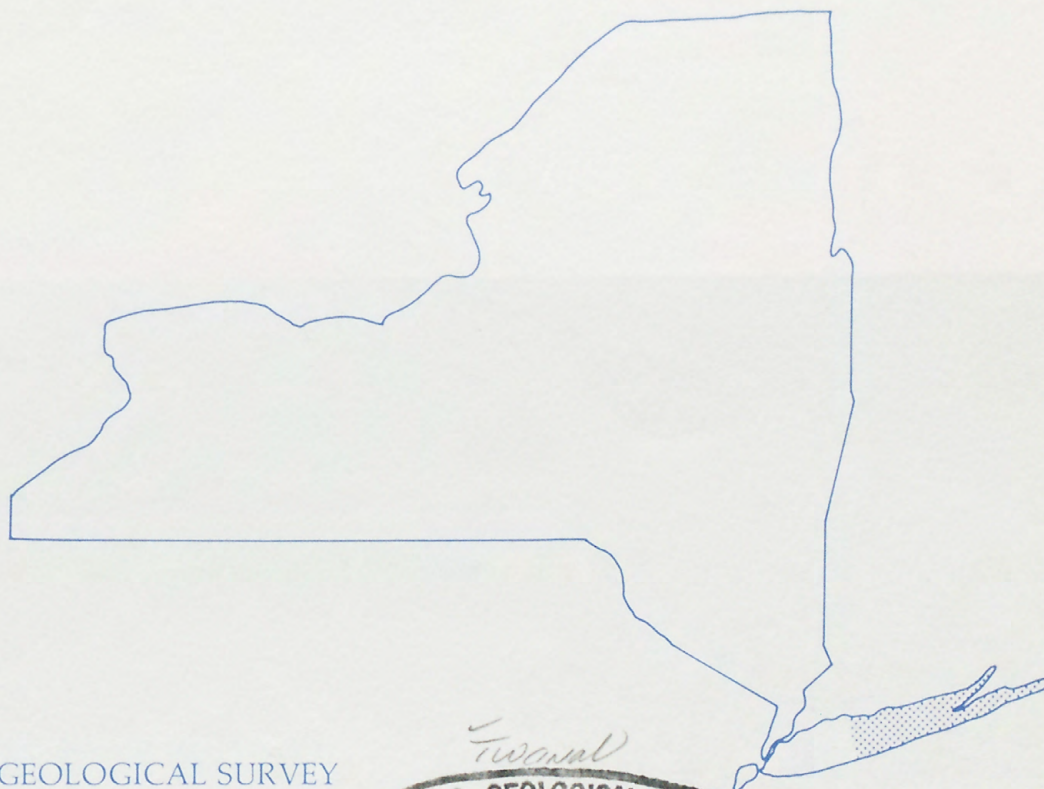


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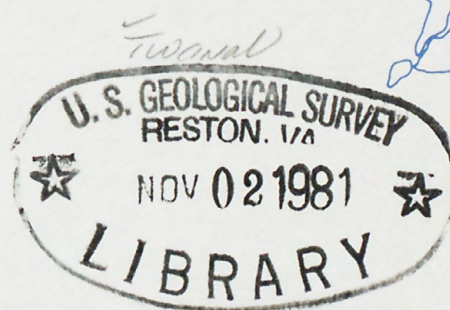
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Hydrogeologic Data from Selected Wells
and Test Holes in Suffolk County,
Long Island, New York, 1972-80



U.S. GEOLOGICAL SURVEY
Open-File Report 81-500



Prepared in cooperation with
SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
SUFFOLK COUNTY WATER AUTHORITY





HYDROGEOLOGIC DATA FROM SELECTED WELLS

AND TEST HOLES IN SUFFOLK COUNTY,

LONG ISLAND, NEW YORK, 1972-80

By Richard K. Krulikas

U.S. GEOLOGICAL SURVEY

Open-File Report 81-500

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SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

SUFFOLK COUNTY WATER AUTHORITY

Open-file report
(United States
Geological Survey)



Syosset, New York

1981

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UNITED STATES
DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

GEOLOGICAL SURVEY

Doyle G. Frederick, Acting Director

For additional information write to

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Syosset, New York 11791

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(in pocket)

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CONVERSION FACTORS AND ABBREVIATIONS

<u>Multiply inch-pound units</u>	<u>By</u>	<u>To obtain metric (SI)^{1/} units</u>
inch (in)	25.4	millimeter (mm)
foot (ft)	.3048	meters (m)
mile (mi)	1.609	kilometer (km)
square mile (mi ²)	2.509	square kilometer (km ²)
million gallons per day (Mgal/d)	.04381	cubic meters per second (m ³ /s)

^{1/}International System of units

HYDROGEOLOGIC DATA FROM WELLS AND TEST HOLES IN SUFFOLK COUNTY, LONG ISLAND, NEW YORK, 1972-80

By

Richard K. Krulik

ABSTRACT

The population of Suffolk County, New York, an area of 922 square miles, has increased rapidly, from less than 200,000 in 1940 to about 1.3 million in 1978. Ground-water pumpage has increased from an average of 42 million gallons per day in 1950 to about 257 million gallons per day in 1978. To help supply the hydrologic information needed to anticipate and prevent shortages, this report presents hydrogeologic and well-completion data on over 700 wells and test holes.

INTRODUCTION

Suffolk County, in eastern Long Island, N.Y., is about 90 miles long and has a maximum width of about 20 miles (fig. 1). Land area of the county is about 922 square miles and constitutes approximately two-thirds of Long Island's 1,411 square-mile area. The population of Suffolk County has increased sharply from less than 200,000 in 1940 to about 1.3 million in 1978 (Long Island Lighting Company, Population Survey, January 1978). The growth has occurred mostly in the western part of the county; the eastern part has remained mainly rural.

The freshwater supply for the county is obtained solely from the underlying ground-water reservoir. Ground-water pumpage increased from an average of 42 Mgal/d in 1950 to about 257 Mgal/d in 1978 (R. J. O'Reilly, New York State Department of Environmental Conservation, oral commun., March 1980). The major hydrogeologic units in the ground-water reservoir are summarized in table 1; the vertical relationship of these units is depicted in a generalized section in figure 2.

The recent population growth in Suffolk County has given rise to a need for increased ground-water development. To help supply the hydrologic information needed to anticipate and prevent shortages, the U.S. Geological Survey is participating in a cooperative program of water-resources studies with the Suffolk County Water Authority and the Suffolk County Department of Health Services. Several reports have been published as a result of the cooperative program; among them are Jensen and Soren, 1971; Soren, 1971; and Jensen and Soren 1974.

Table 2 presents hydrogeologic units and well-completion data on 700 wells and test holes in Suffolk County; these include most of the pertinent wells and test holes drilled in Suffolk County since 1972 and a few older wells of importance that were not mentioned previously. Locations of wells and test holes are shown on plate 1.

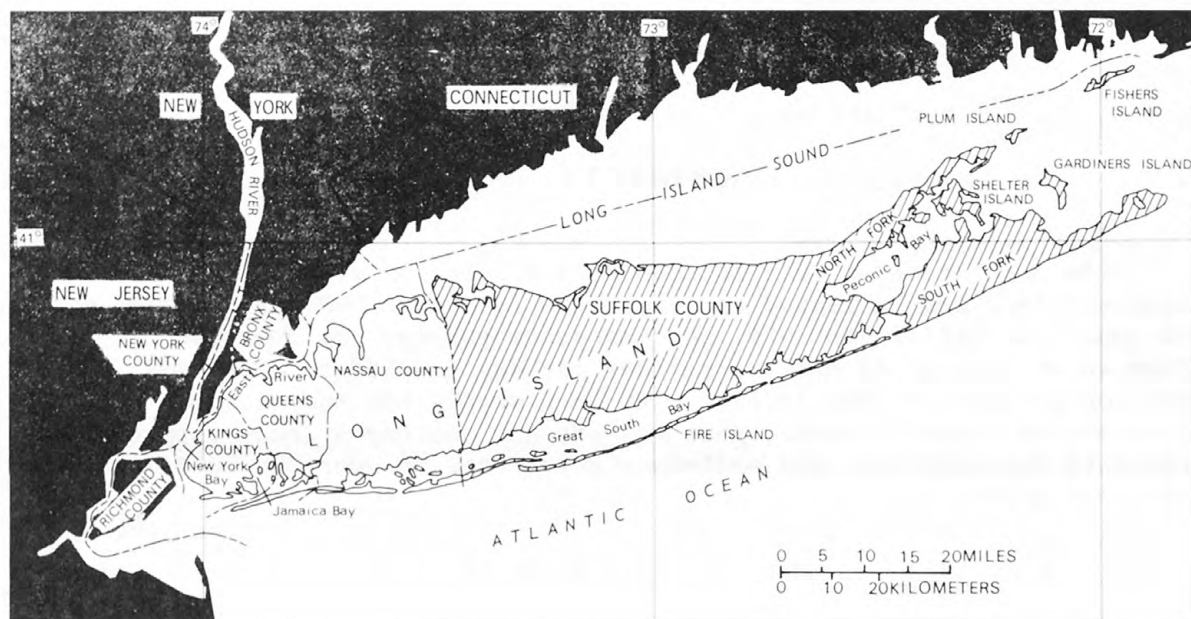


Figure 1.--Map of Long Island showing location of Suffolk County.
(Modified from Jensen and Soren, 1971, p. 3.)

Acknowledgments

The author extends thanks to the Suffolk County Water Authority, the Suffolk County Department of Health Services, and the New York State Department of Environmental Conservation, particularly to R. J. O'Reilly, engineering technician, whose cooperation in providing well-completion data was essential for preparation of the report.

The author also thanks the well-drilling companies for providing well information, drill cuttings, and split-spoon core samples used in determining geologic correlations. These companies include Delta Well Company, Inc., Central Islip, N.Y.; East Coast Well Drilling and Supply Company, Inc., Riverhead, N.Y.; Lauman Company, Inc., Farmingdale, N.Y.; Strata Well Corporation, Islip, N.Y.; and Howard McMahon, Inc., Amagansett, N.Y.

GEOHYDROLOGY

Geology and hydrology of Long Island are summarized in numerous reports, notably Veatch and others (1906), Fuller (1914), Suter and others, (1949), Cohen and others (1968), and Jensen and Soren (1974).

The ground-water reservoir on Long Island lies within a thick sequence of unconsolidated deposits underlain by Precambrian (?) basement complex (fig. 2). The unconsolidated materials consist of a southward-dipping wedge of Cretaceous deposits overlain by a relatively thick layer of glacial outwash and morainal deposits of Pleistocene age. Characteristics of the geologic and hydrogeologic units are summarized in table 1.

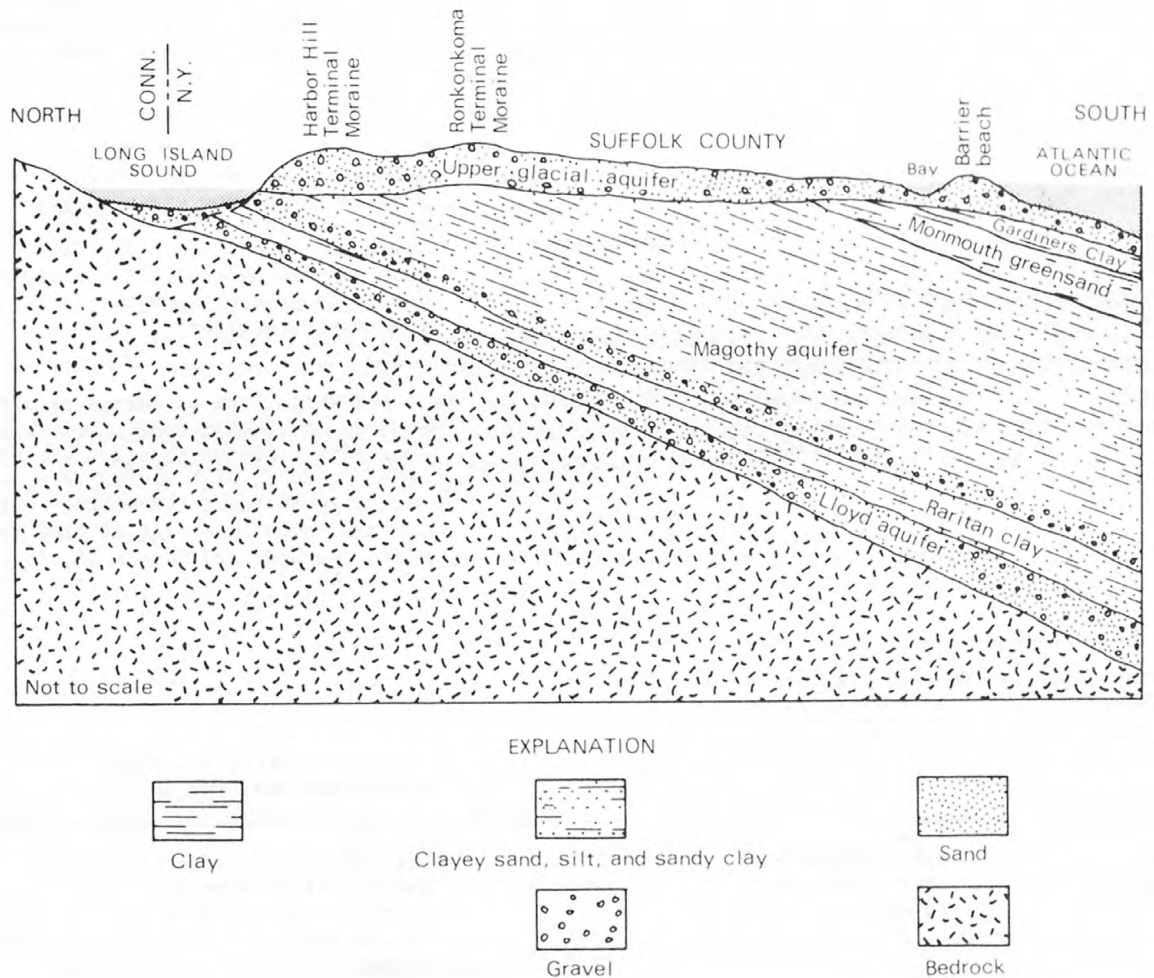


Figure 2.--Generalized section showing major hydrogeologic units in Suffolk County. (From Cohen and others, 1968.)

Table 1.--Major hydrogeologic units in Suffolk County, N.Y.

Hydrogeologic unit ^{1/}	Geologic name	Approximate thickness (feet)	Description and water-bearing character
Upper glacial aquifer	Holocene and upper Pleistocene deposits, and Mannetto Gravel	0 - 750	Mainly brown and gray sand and gravel of moderate to high hydraulic conductivity; also includes deposits of clayey glacial till and lacustrine clay of low hydraulic conductivity. A major aquifer.
Gardiners Clay	Gardiners Clay	0 - 75	Green and gray clay, silt, clayey and silty sand, and some interbedded clayey and silty gravel; of low hydraulic conductivity. Unit tends to confine water in underlying aquifer.
Monmouth greensand	Monmouth Group, undifferentiated	0 - 200	Interbedded marine deposits of dark-gray, olive-green, dark-greenish-gray, and greenish-black glauconitic and lignitic clay, silt, and clayey and silty sand. Unit has low hydraulic conductivity and tends to confine water in under-lying aquifer.
Magothy aquifer	Matawan Group and Magothy Formation, undifferentiated	0 - 1,100	Gray and white fine to coarse sand of moderate hydraulic conductivity. Generally contains sand and gravel beds of low to high hydraulic conductivity in basal 100 to 200 feet. Contains much interstitial clay and silt, and beds and lenses of clay, of low hydraulic conductivity. A major aquifer.
Raritan Clay	Unnamed clay member of the Raritan Formation	0 - 200	Gray, black, and multicolored clay and some silt and fine sand. Unit has low hydraulic conductivity and tends to confine water in underlying aquifer.
Lloyd aquifer	Lloyd Sand Member of the Raritan Formation	0 - 500	White and gray fine-to-coarse sand and gravel of moderate hydraulic conductivity and some clayey beds of low hydraulic conductivity. Not highly developed as an aquifer.
Bedrock	Undifferentiated crystalline rocks	Not Known	Mainly metamorphic rocks of low hydraulic conductivity; surface generally weathered; considered to be the bottom of the ground-water reservoir. Not a source of water in Suffolk County.

^{1/} Adapted largely from Cohen and others (1968, p. 18).

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Table 2. *Hydrogeologic units and well completion data from selected wells and test holes in Suffolk County, New York.*

EXPLANATION OF COLUMNAR DATA AND ABBREVIATIONS

Well Number

Well numbers are assigned by the New York State Department of Environmental Conservation. A prefix letter S, which designates Suffolk County, is omitted from the well number; thus, the official number of well 40161, for example, is S 40161. Wells are listed in numerical order.

Location of Well

Locations of wells are given by map coordinates, based on latitude and longitude, as shown on plate 1. Map coordinates are based on a latitude and longitude grid system established for Long Island (Veatch and others, 1906; Jensen and Soren, 1971). In this system, 5-minute intervals of latitude are lettered consecutively from south to north, and 5-minute intervals of longitude are numbered consecutively from west to east. The grid coordinates for Suffolk County are shown along the margins of plate 1. Thus, a well whose map coordinates are D15 is in the grid square bounded by lat 40°45' and 40°50'N and long 72°55' and 72°50'W.

Wells are also numbered according to the national well-numbering system of the U.S. Geological Survey. This system locates wells to the nearest second of latitude and longitude and gives a sequence number to the well to denote the chronological order in which wells within a 1-second quadrangle were recorded. For example, in well number 404707N0731905.01 (S 18075), the first six numbers indicate latitude 40°47'07" North; the remaining numbers before the period indicate longitude 073°19'05". The 01 after the period is the sequence number. Thus this well was the first one recorded in the 1-second quadrangle defined by the latitude and the longitude.

Well depth

The figures give well depth or total depth of the drilled test hole, in feet below land surface.

Hydrogeologic Unit Penetrated and Elevation of Unit Surface

Elevations of the tops of the hydrogeologic units penetrated by wells are given in feet above or below National Geodetic Vertical Datum of 1929. A minus (-) sign preceding the elevation figure indicates that the elevation is below National Geodetic Vertical Datum of 1929. The number in the "upper glacial aquifer" column is the elevation of the land surface at the well site. Absence of an elevation figure indicates that the test hole did not penetrate the unit.

Table 2.--Explanation (continued)

Year Completed

Year completed refers to the year in which the well was reported to have been completed or accepted by the original well owner. It may not always be the year in which the well was actually drilled.

Elevation of Land-Surface Datum (LSD)
(feet above National Geodetic Vertical Datum of 1929)

The elevation of land surface at the well was estimated from U.S. Geological Survey 7-1/2-minute quadrangle topographic maps.

Use of Water

The following abbreviations indicate the primary purpose in 1977 for which the water from the well was reported to be used.

ARCD	air conditioning	IND	industrial
COM	commercial	IRR	irrigation
DOM	domestic	OTHR	other
FRPT	fire protection	P.S.	public supply
INST	institutional		

Use of Well

The following abbreviations indicate the principal use of the well or the purpose for which the well or hole was drilled.

DEST	well destroyed	TEST	test hole
OBS	observation well	UNSD	well unused
RECH	recharge water	WTDR	withdrawal of water

Screen Setting and Total Screen Length

The elevations of the top and bottom of the screened interval are given in feet above or below (-) National Geodetic Vertical Datum of 1929. The total length of screen or perforated pipe in that interval is given in feet. In some wells, screen was set at two or more intervals; in such cases the difference between the elevations of the two screen settings is different from the total screen length.

Diameter of Well

The diameter of the well is the inside diameter of the smallest casing at land surface, in inches.

Table 2.--Explanation (continued)

Water Level (feet below land-surface datum)

The water level given is the reported original static water level, in feet above or below land surface, when the well was completed.

Date of Measurement

The date of water-level measurement is given by month (M), day (D), and year (Y).

Lift Type

The following abbreviations indicate the type of pump or other conveyance known or assumed to have been used in 1977 to bring water to the surface.

CENT	centrifugal	TURB	turbine
JET	jet	NONE	no pump in well
SUBM	submersible	OTHR	some other type of lift

Aquifer Developed

The following abbreviations indicate the hydrogeologic unit that yields water to the well. Where two or more units yield water to the well, the probable principal unit is given.

UPGLAC	Upper glacial aquifer
GARD	Gardiners Clay
MONMOUTH	Monmouth greensand
MAGOTHY	Magothy aquifer
RARITAN	Raritan clay
LLOYD	Lloyd aquifer

Table 2.--Explanation (continued)

Specific Capacity

The value in this column is the number of gallons per minute pumped from the well per foot of drawdown in the well, as reported by drillers.

Abbreviations

COORD	coordinates
D	day
DIAM	diameter
FT	feet
GPM/FT	gallons per minute pumped per foot of drawdown in the well
IN	inches
LSD	land surface datum
M	month
MEAS	measurement
NGVD	National Geodetic Vertical Datum of 1929.
Y	year

Table 2.--Hydrologic units and well-completion data

HYDROLOGIC UNIT PENETRATED AND ELEVATION OF UNIT SURFACE, IN FEET ABOVE OR BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929										
Location of well			Well depth (ft)	Upper glacial aquifer	Gardiners Clay	Monmouth greensand	Magothy aquifer	Raritan clay	Lloyd aquifer	Bedrock
Well number	Map coord	Latitude and Longitude								
18075	D10	404707 0731905.01	627	110			-155			
18261	D10	404707 0731904.01	388	110						
18621	D10	404704 0731904.01	201	110						
19767	F10	405506 0731801.01	28	15						
20041	C 8	404444 0732511.01	268	80			-280			
20042	C 8	404444 0732511.02	585	80			-298			
21734	F 8	405519 0732939.01	453	64						
22303	B10	403821 0731820.01	285	10	- 62		-145			
22548	D10	404705 0731907.01	415	114			-151			
22823	D11	404908 0731328.01	400	125						
23433	D18	404841 0723935.01	321	15			-103			
23462	D11	404813 0731328.01	400	125						
23524	E13	405158 0730300.01	446	110						
23609	E12	405319 0730829.01	484	125			-324			
26247	E 9	405058 0732338.01	447	178						
26490	D11	404505 0731317.01	110	40						
26600	E12	405200 0730855.01	323	123						
26681	E 8	405246 0732523.01	600	10	-113			-390	-470	
29743	F24	405356 0720639.01	302	50		-120	-239			
29823	D 9	404521 0732252.01	622	76			- 6			
30008	E 9	405058 0732338.01	488	185						
30114	B 9	408800 0732034.01	327	10	-100		-133			
30118	D12	404914 0730956.03	192	58						
30421	D 9	404718 0732453.01	272	125						
30506	D 9	404515 0732255.01	621	75			1			
31269	F13	405512 0730105.03	337	138			- 94			
31711	E11	405143 0731100.01	600	125						
31734	E13	405455 0730258.02	1125	165			- 55	-573	-730	
31976	F18	405936 0723542.01	112	65						
32821	F12	405614 0730610.01	600	75			3	-495		
33060	E12	405157 0730740.01	410	95						
33203	E12	405149 0730756.01	580	95						
33204	E12	405149 0730752.01	517	95						
33205	E12	405150 0730748.01	436	93						
33206	E12	405154 0730801.01	581	93						
33991	D11	404511 0731127.01	696	35	-68		- 93			
34016	E13	405156 0730451.01	712	95						
34651	E12	405147 0730740.01	417	94						
34652	E12	405148 0730755.01	102	94						
34653	E12	405149 0730801.01	700	93						
34893	F14	405517 0725749.01	840	125			-555	-719		
36448	F15	405627 0725407.01	404	132						
36711	E14	405333 0725629.01	143	81			- 83			
36965	F22	405639 0721811.01	161	52						
37140	D11	404510 0731123.01	330	35	-69		- 86			
37276	D11	404918 0731330.01	400	40						
37494	D14	404717 0725956.03	622	60			-300			
37991	E15	405456 0725327.01	141	102						
38035	D 9	404723 0732453.01	450	130						
38194	F14	405652 0725900.02	775	157				-593		
38320	D13	404756 0730255.02	173	75						
38321	D13	404756 0730255.03	303	63			-133			
38595	E12	405257 0730501.01	605	108			-200			
38784	E13	405256 0730456.02	603	105			-200			
38785	E 9	405135 0732355.01	701	202						

from selected wells and test holes in Suffolk County, New York.

WELL-COMPLETION DATA												
Well Number	Year Completed	Elevation of LSD (ft above or below NGVD)	Use of Water	Use of Well	Screen Setting (ft above or below NGVD)	Total Screen Length (ft)	Diam of Well (in)	Water level (ft below LSD)	Date of Meas. (M-D-Y)	Lift Type	Aquifer Developed	Specific Capacity (GPM/ft)
18075	1959	110	UNSD	TEST							MAGOTHY	
18261	1960	110	P.S.	WTDR	-180 TO -263	83	16	60	01-13-60		MAGOTHY	
18621	1960	110	P.S.	WTDR	- 34 TO - 91	57	36	51	05-23-60		UPGLAC	36
19767	1961	15	IRR	WTDR							UPGLAC	
20041	1962	80	P.S.	WTDR	-110 TO -188	78	12	25	09-05-61	TURB	UPGLAC	75
20042	1962	80	P.S.	WTDR	-444 TO -505	61	20	25	07-15-61	TURB	MAGOTHY	40
21734	1962	64	DOM	WTDR	-377 TO -389	12	6				UPGLAC	
22303	1963	10	COM	WTDR	-263 TO -275	12	4				MAGOTHY	
22548	1964	114	UNSD	UNSD	-233 TO -289	56	42				MAGOTHY	
22823	1964	125	IND	WTDR	-224 TO -275	51	12				MAGOTHY	
23433	1965	15	IRR	WTDR	-255 TO -306	51	10	4	03-02-65		MAGOTHY	
23462	1965	125	UNSD	UNSD	-249 TO -275	26	12				UPGLAC	
23524	1965	110	P.S.	WTDR	-210 TO -326	116	16	66	08-25-65	TURB	UPGLAC	41
23609	1965	125	FRPT	WTDR	-329 TO -359	30	10	94	05-01-65	TURB	MAGOTHY	30
26247	1965	178	P.S.	WTDR	- 86 TO -269	183	20	133	12-14-65	TURB	MAGOTHY	79
26490	1965	40	P.S.	WTDR	- 32 TO - 67	35	30	17	06-28-65	TURB	UPGLAC	60
26600	1966	123	UNSD	TEST	-147 TO -167	20	8	82	03-11-66		UPGLAC	3
26681	1966	10	P.S.	WTDR	-515 TO -587	72	16	7	04-24-66		LLOYD	18
29743	1967	50	UNSD	OBS	- 89 TO -100	11	6	45	01-11-67		MAGOTHY	2
29823	1967	76	UNSD	TEST							MAGOTHY	
30008	1967	185	P.S.	WTDR	-238 TO -298	60	20	137	03-20-67	SUBM	MAGOTHY	61
30114	1967	10	IRR	WTDR	-134 TO -200	66	10	8	05-22-67	TURB	MAGOTHY	4
30118	1967	58	P.S.	WTDR	- 93 TO -134	51	16				UPGLAC	
30421	1967	125	ARCD	WTDR				67	07-07-67	TURB	UPGLAC	6
30506	1967	75	P.S.	WTDR	-471 TO -543	62		26	07-25-67		MAGOTHY	41
31269	1967	138	UNSD	TEST			6				MAGOTHY	
31711	1967	125	UNSD	TEST							MAGOTHY	20
31734	1967	165	UNSD	TEST							MAGOTHY	
31976	1967	65	IND	WTDR	- 16 TO - 47	31	12			TURB	UPGLAC	
32821	1968	75	UNSD	TEST							MAGOTHY	
33060	1968	95	ARCD	WTDR	-262 TO -315	53	16				UPGLAC	
33203	1968	95	OTHR	RECH	-425 TO -485	60	16	50	08-29-68		UPGLAC	75
33204	1968	95	OTHR	RECH	-361 TO -422	61	16	53	09-17-68		UPGLAC	37
33205	1968	93	ARCD	WTDR	-282 TO -343	61	16	50	09-20-68	TURB	UPGLAC	36
33206	1968	93	OTHR	RECH	-428 TO -488	60	16	53	08-13-68		UPGLAC	40
33991	1968	35	UNSD	TEST							MAGOTHY	
34016	1968	95	UNSD	OBS			8				MAGOTHY	
34651	1969	94	ARCD	WTDR	-258 TO -318	60	16	46	04-10-69	TURB	UPGLAC	27
34652	1969	94	ARCD	WTDR	- 45 TO - 76	31	16	32	03-12-69	TURB	UPGLAC	52
34653	1969	93	UNSD	OBS	-505 TO -607	102	8	49	03-13-69		UPGLAC	54
34893	1969	125	UNSD	OBS							MAGOTHY	
36448	1969	132	UNSD	OBS			10				UPGLAC	
36711	1970	81	UNSD	OBS	- 28 TO - 58	30	12	55			UPGLAC	239
36965	1970	52	P.S.	WTDR	- 71 TO -101	30	12	36	04-15-70	TURB	UPGLAC	
37140	1970	35	P.S.	WTDR	-225 TO -295	70	20	18	05-13-70		MAGOTHY	39
37276	1970	40	ARCD	WTDR	-309 TO -359	50	36	13	05-01-70	TURB	UPGLAC	40
37494	1970	60	UNSD	UNSD			42				MAGOTHY	
37991	1970	102	P.S.	WTDR	- 13 TO - 39	26	16	45	09-14-70	TURB	UPGLAC	49
38035	1970	130	UNSD	UNSD			38				UPGLAC	
38194	1970	157	P.S.	WTDR	-513 TO -573	60	20	133	12-10-70		UPGLAC	21
38320	1970	75	P.S.	WTDR	- 35 TO - 82	47	20	39	11-18-70		UPGLAC	54
38321	1971	63	P.S.	WTDR	-176 TO -237	61	20	38	01-08-71		MAGOTHY	40
38595	1970	105	UNSD	TEST							MAGOTHY	
38784	1970	105	P.S.	WTDR	-422 TO -492	70	20	44	09-23-71	TURB	MAGOTHY	
38785	1971	202	P.S.	WTDR	-370 TO -461	91	20	157	03-30-71		UPGLAC	67

Table 2.--Hydrologic units and well-completion data

HYDROLOGIC UNIT PENETRATED AND ELEVATION OF UNIT SURFACE, IN FEET ABOVE OR BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929										
Location of well			Well depth (ft)	Upper glacial aquifer	Gardiners Clay	Monmouth greensand	Magothy aquifer	Raritan clay	Lloyd aquifer	Bedrock
Well number	Map coord	Latitude and Longitude								
38916	E12	405418 0730649.02	845	227			- 27	-563		
39184	E12	405147 0730804.01	700	93						
39185	E12	405147 0730805.02	619	93						
39186	E12	405147 0730803.03	683	93						
39187	E12	405147 0730804.04	698	95						
39333	E11	405208 0731314.01	658	64			-422			
39347	E12	405054 0730509.01	176	128						
39518	E11	405118 0731238.01	725	76			- 64	-684		
39531	D11	404614 0731230.01	289	53			-105			
39535	B11	403819 0731117.01	461	5	- 92	- 98	-313			
39536	E 9	405345 0732038.01	615	173						
39709	C 8	404556 0732522.01	705	85			-268			
40057	E12	405016 0730903.01	623	110			-154			
40161	E14	405335 0725629.02	138	80						
40331	E13	405221 0730212.01	694	87			-408			
40333	E10	405236 0731709.01	525	110						
40407	F19	405636 0723448.01	140	10						
40497	D10	404606 0731746.02	284	74	- 50		- 64			
40498	C 9	404230 0732041.01	748	24	- 54		- 60			
40709	E13	405223 0730219.01	485	90						
40710	E11	405207 0731314.01	463	70			-295			
40711	E11	405209 0731314.01	273	70						
40818	D12	404610 0730507.01	754	55	-101		-113			
40837	F13	405510 0730453.02	810	195			- 81	-573		
40838	F13	405510 0730453.02	294	195			- 81			
40980	E12	405418 0730649.01	578	225			1			
40981	D12	404820 0730735.01	694	100			-124			
41341	D14	404807 0725907.01	703	73			-127			
41342	E12	405021 0730624.01	663	130			-384			
41343	E13	405217 0730116.01	650	110			-186			
41344	D11	404919 0731428.01	693	79			- 47			
41345	E10	405249 0731928.01	807	237						
41358	B10	403817 0731633.02	290	10	- 73		-280			
41513	E12	405120 0730824.01	719	108			-149			
42053	E11	405032 0731407.01	713	50			- 56			
42054	E11	405043 0731229.01	723	40			-240			
42225	E 9	405015 0732342.01	790	110						
42226	E12	405015 0730902.01	270	110						
42227	E12	405016 0730903.01	253	110						
42270	E11	405119 0731237.00	649	76			- 64			
42473	E11	405119 0731237.02	649	76			- 64			
42504	E13	405215 0730115.01	223	110						
42505	E13	405213 0720113.02	233	110						
42760	E12	405054 0730509.02	173	130						
42761	D13	404756 0730255.01	333	75			-115			
42762	C10	404305 0731614.01	714	26	- 56		- 64			
42827	D11	404511 0731123.01	663	35	- 62		- 92			
43001	E 8	405113 0732609.01	590	230				-337		
43010	D16	404804 0724838.01	700	20	- 76	- 94	-144			
43088	D10	404640 0731521.01	902	90			- 80	-772		
43101	E13	405140 0730240.01	703	40			-116			
43117	E13	405256 0730456.03	552	102			-305			
43516	D13	404618 0730356.01	803	55			-101			
43808	C 8	404323 0732534.01	59	66						
43810	C 9	404124 0732416.02	76	30						

from selected wells and test holes in Suffolk County, New York.

WELL-COMPLETION DATA												
Well Number	Year Completed	Elevation of LSD (ft above or below NGVD)	Use of Water	Use of Well	Screen Setting (ft above or below NGVD)	Total Screen Length (ft)	Diam of Well (in)	Water level (ft below LSD)	Date of Meas. (M-D-Y)	Lift Type	Aquifer Developed	Specific Capacity (GPM/ft)
38916	1971	227	UNSD	TEST							MAGOTHY	
39184	1971	93	ARCD	RECH	-507 TO -607	100	10				UPGLAC	
39185	1971	93	ARCD	RECH	-426 TO -526	100	10				UPGLAC	
39186	1971	93	ARCD	RECH	-490 TO -590	100	10				UPGLAC	
39187	1971	95	ARCD	RECH	-503 TO -603	100	10				UPGLAC	
39333	1971	64	UNSD	TEST	-546 TO -568	22	16	33	04-09-71		MAGOTHY	
39347	1971	128	P.S.	WDR	- 8 TO - 48	40	10	69	07-06-71		UPGLAC	109
39518	1971	76	UNSD	TEST	-514 TO -614	100	8	47			MAGOTHY	
39531	1971	53	P.S.	WDR	-149 TO -219	70	20	23	10-01-71	TURB	MAGOTHY	37
39535	1971	5	P.S.	WDR	-313 TO -456	143	12	FLOWING	12-20-72	TURB	MAGOTHY	
39536	1971	173	P.S.	WDR	-362 TO -442	80	20	155	09-01-71	TURB	UPGLAC	30
39709	1971	85	P.S.	WDR	-565 TO -620	55	20	36	07-21-71	TURB	MAGOTHY	3
40057	1971	110	UNSD	TEST							MAGOTHY	
40161	1971	80	P.S.	WDR	- 14 TO - 54	40	20	43	07-28-71	TURB	UPGLAC	35
40331	1971	87	P.S.	WDR							UPGLAC	
40333	1972	110	UNSD	WDR	-405 TO -415	10	6	74	08-27-72	SUBM	UPGLAC	7
40407	1971	10	FRPT	WDR	-109 TO -129	20	16	4	09-13-71		UPGLAC	
40497	1971	74	P.S.	WDR	-150 TO -210	60	10	32		TURB	MAGOTHY	44
40498	1972	24	P.S.	WDR	-648 TO 718	70	20	4	05-10-72	TURB	MAGOTHY	54
40709	1971	90	P.S.	WDR	-330 TO -390	60	20	37	10-12-71		UPGLAC	87
40710	1971	70	P.S.	WDR	-297 TO -387	90	20	33	10-28-71		MAGOTHY	126
40711	1971	70	P.S.	WDR	-153 TO -203	50	20	37	09-08-71		UPGLAC	80
40818	1971	55	UNSD	TEST			6				MAGOTHY	
40837	1972	195	P.S.	WDR	- 38 TO - 92	54	20	160	01-10-72	TURB	MAGOTHY	9
40838	1972	195	P.S.	WDR	- 44 TO - 99	55	20	162	04-04-72	TURB	UPGLAC	10
40980	1972	225	P.S.	WDR	-279 TO -348	69	20	191	02-10-72	SUBM	MAGOTHY	30
40981	1971	100	UNSD	TEST	-555 TO -575	20	8	58	11-02-71		MAGOTHY	7
41341	1972	73	UNSD	TEST							MAGOTHY	
41342	1972	130	UNSD	TEST							MAGOTHY	
41343	1971	110	UNSD	TEST							MAGOTHY	
41344	1971	79	UNSD	TEST							MAGOTHY	
41345	1972	237	UNSD	TEST							UPGLAC	
41358	1972	10	UNSD	UNSD							MAGOTHY	
41513	1972	108	UNSD	TEST			14				MAGOTHY	
42053	1972	50	UNSD	TEST							MAGOTHY	
42054	1972	40	UNSD	TEST			18				MAGOTHY	
42225	1972	110	P.S.	WDR	-580 TO -680	100	20	114	04-21-72	SUBM	MAGOTHY	48
42226	1972	110	P.S.	WDR	- 95 TO -157	62	20	65	04-10-72		UPGLAC	73
42227	1972	110	P.S.	WDR	- 78 TO -140	62	20	65	01-31-72		UPGLAC	54
42270	1972	76	UNSD	UNSD	-499 TO -573	74	20	47	01-31-72		MAGOTHY	23
42473	1972	76	UNSD	UNSD	-503 TO -573	70	20	45	02-08-72	TURB	MAGOTHY	24
42504	1972	110	P.S.	WDR	- 51 TO -117	66	20	53	06-28-72		UPGLAC	
42505	1972	110	P.S.	WDR	- 63 TO -123	60	60	68	06-26-72		UPGLAC	
42760	1972	130	P.S.	WDR	- 7 TO - 43	36	20	72	08-28-72	TURB	UPGLAC	102
42761	1972	75	P.S.	WDR	- 91 TO -258	167	20	50	05-23-72	TURB	MAGOTHY	46
42762	1972	26	P.S.	WDR	-624 TO -684	60	20	8	04-10-72		MAGOTHY	43
42827	1972	35	P.S.	WDR	-563 TO -625	62	20			TURB	MAGOTHY	
43001	1972	230	P.S.	WDR	-216 TO -296	80	20	189	09-07-72	TURB	UPGLAC	95
43010	1972	20	UNSD	TEST	-660 TO -680	20				SUBM	MAGOTHY	
43088	1972	90	UNSD	TEST							MAGOTHY	
43101	1972	40	UNSD	TEST							MAGOTHY	
43117	1972	102	P.S.	WDR	-366 TO -451	85	20	49	05-08-72	TURB	MAGOTHY	55
43516	1972	55	UNSD	TEST							MAGOTHY	
43808	1972	66	UNSD	OBS	22 TO 12	10	6	5			UPGLAC	
43810	1972	30	UNSD	OBS	- 31 TO - 41	10	6				UPGLAC	

Table 2.--Hydrologic units and well-completion data

HYDROLOGIC UNIT PENETRATED AND ELEVATION OF UNIT SURFACE, IN FEET ABOVE OR BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929										
Location of well			Well depth (ft)	Upper glacial aquifer	Gardiners Clay	Monmouth greensand	Magothy aquifer	Raritan clay	Lloyd aquifer	Bedrock
Well number	Map coord	Latitude and Longitude								
43811	D 9	404530 0732411.01	90	102						
43813	C 9	404158 0732258.02	78	35						
43814	C 9	404455 0732150.01	50	60						
43816	C 9	404237 0732206.02	80	40						
43817	D 9	404618 0732050.01	56	70						
43819	C 9	404250 0732023.02	78	30						
43820	D10	404649 0731840.01	98	110						
43822	C10	404302 0731855.02	74	20						
44032	E12	405147 0730649.01	753	118			-136			
44137	C10	404432 0731513.01	720	39	- 46		- 75			
44186	E13	405004 0730227.01	673	180			- 88			
44378	E 9	405322 0732114.01	467	27						
44467	E15	405122 0725407.00	713	105			-107			
44640	F14	405710 0725713.01	205	155						
44774	D11	404920 0731428.01	293	79						
44775	E13	405407 0730009.01	755	150						
44914	E 9	405254 0732114.01	25	30						
44918	D13	404812 0730412.01	85	85						
45053	E 9	405330 0732424.01	125	185						
45207	E10	405132 0731814.01	146	165						
45208	E 9	405005 0732337.01	137	150						
45210	D10	404943 0731745.01	109	125						
45212	E10	405356 0731920.01	114	120						
45220	C12	404305 0730853.00	724	10	- 76	-104	-202			
45347	D10	404726 0731626.01	643	130			-200			
45348	D10	404729 0731628.01	650	130			-200			
45402	E10	405259 0731622.01	170	180						
45446	C10	404400 0731544.02	41	38						
45447	D12	404606 0730500.01	82	52						
45594	D10	404920 0731509.01	85	105						
45610	E 9	405322 0732114.04	313	15						
45637	D12	404508 0730809.01	82	13						
45638	D 9	404804 0732037.01	725	170						
45639	D 9	404804 0732037.02	740	170						
45717	D10	404618 0731645.01	75	93						
45719	D11	404635 0731016.01	82	26						
45720	D11	404716 0731316.02	81	90						
45722	D11	404516 0731228.01	91	37						
45808	E15	405201 0725442.00	707	93			-105			
45839	D11	404503 0731312.01	726	40			-105			
45935	D10	404851 0731851.01	605	285			-344			
46165	F11	405521 0731005.01	481	15						
46235	C10	404432 0731513.01	713	39	- 46		- 75			
46281	E 8	405237 0732505.00	51	34						
46283	D 9	404823 0732118.00	239	275						
46284	D12	404848 0730734.01	108	110						
46286	D11	404836 0731109.01	107	120						
46400	E13	405002 0730226.00	266	180			- 84			
46509	C12	404317 0730859.01	315	15	- 75	-115	-201			
46712	D16	404803 0724840.01	100	20						
46713	D16	404804 0724941.01	444	20	- 76	- 95	-144			
46830	D10	404606 0731746.01	655	76	- 46		- 60			
46871	E 8	405041 0732515.01	836	196				-428		
46911	D16	404920 0724845.02	34	41						
46912	D16	404919 0724843.01	32	42						

from selected wells and test holes in Suffolk County, New York.

WELL-COMPLETION DATA												
Well Number	Year Completed	Elevation of LSD (ft above or below NGVD)	Use of Water	Use of Well	Screen Setting (ft above or below NGVD)	Total Screen Length (ft)	Diam of Well (in)	Water level (ft below LSD)	Date of Meas. (M-D-Y)	Lift Type	Aquifer Developed	Specific Capacity (GPM/ft)
43811	1972	102	UNSD	OBS	27 TO 17	10	6				UPGLAC	
43813	1972	35	UNSD	OBS	- 28 TO - 38	10	6				UPGLAC	
43814	1972	60	UNSD	OBS	25 TO 15	10	6				UPGLAC	
43816	1972	40	UNSD	OBS	- 25 TO - 35	10	6				UPGLAC	
43817	1972	70	UNSD	OBS	29 TO 19	10	6				UPGLAC	
43819	1972	30	UNSD	OBS	- 33 TO - 43	10	6				UPGLAC	
43820	1972	110	UNSD	OBS	28 TO 18	10	6				UPGLAC	
43822	1972	20	UNSD	OBS	- 39 TO - 49	10	6				UPGLAC	
44032	1972	118	UNSD	TEST							MAGOTHY	
44137	1972	39	UNSD	TEST				16	07-11-72		MAGOTHY	10
44186	1972	180	UNSD	TEST				117	06-26-72		MAGOTHY	19
44378	1972	27	UNSD	TEST							UPGLAC	
44467	1972	105	UNSD	TEST							UPGLAC	
44640	1973	155	P.S.	WTDR	0 TO - 49	49	16	90	06-06-72	TURB	UPGLAC	75
44774	1972	79	P.S.	WTDR	-119 TO -209	90	36	38	09-20-72	SUBM	UPGLAC	
44775	1972	150	UNSD	TEST							UPGLAC	
44914	1973	30	UNSD	OBS	17 TO 5	12					UPGLAC	
44918	1973	85	UNSD	OBS	12 TO 0	12	6				UPGLAC	
45053	1972	185	UNSD	OBS	80 TO 70	10	6				UPGLAC	
45207	1973	165	UNSD	OBS	31 TO 21	10	6				UPGLAC	
45208	1973	150	UNSD	OBS	25 TO 15	10	6				UPGLAC	
45210	1972	125	UNSD	OBS	28 TO 18	10	6				UPGLAC	
45212	1972	120	UNSD	OBS	18 TO 8	10	6				UPGLAC	
45220	1972	10	UNSD	TEST							MAGOTHY	
45347	1972	130	INST	WTDR	-457 TO -513	56	16	73	10-24-72		MAGOTHY	31
45348	1972	130	INST	WTDR	-460 TO -518	58	16	74	11-01-72		MAGOTHY	52
45402	1972	180	UNSD	OBS	22 TO 12	10	6				UPGLAC	
45446	1972	38	UNSD	OBS	9 TO - 1	10	6				UPGLAC	
45447	1972	52	UNSD	OBS	- 19 TO - 29	10	6				UPGLAC	
45594	1972	105	UNSD	OBS	32 TO 22	10	6				UPGLAC	
45610	1972	15	P.S.	WTDR	-244 TO -294	50	20			SUBM	UPGLAC	
45637	1972	13	UNSD	OBS	- 58 TO - 68	10	6				UPGLAC	
45638	1973	170	P.S.	WTDR	-478 TO -555	77	20	97	02-01-73	TURB	UPGLAC	29
45639	1973	170	P.S.	WTDR	-490 TO -565	75	20	90	07-03-73	SUBM	UPGLAC	24
45717	1972	93	UNSD	OBS	30 TO 18	12	6				UPGLAC	
45719	1972	26	UNSD	OBS	- 43 TO - 53	10	6				UPGLAC	
45720	1972	90	UNSD	OBS	22 TO 12	10	6				UPGLAC	
45722	1972	37	UNSD	OBS	- 41 TO - 51	10	6				UPGLAC	
45808	1972	93	UNSD	TEST							MAGOTHY	
45839	1973	40	P.S.	WTDR	-610 TO -680	70	20	13	02-20-73	TURB	MAGOTHY	
45935	1974	285	P.S.	WTDR	-254 TO -314	60	48	218	05-29-74		UPGLAC	44
46165	1973	15	UNSD	DEST							UPGLAC	
46235	1973	39	P.S.	WTDR	-610 TO -671	61	20	19	02-27-73	TURB	MAGOTHY	38
46281	1973	34	UNSD	OBS	- 4 TO - 16	12	6				UPGLAC	
46283	1973	275	UNSD	OBS	48 TO 38	10	6				UPGLAC	
46284	1972	110	UNSD	OBS	15 TO 5	10	6				UPGLAC	
46286	1972	120	UNSD	OBS	26 TO 16	10	6				UPGLAC	
46400	1973	180	P.S.	WTDR	- 20 TO - 80	60	20	117	03-01-73	TURB	UPGLAC	
46509	1973	15	P.S.	WTDR	-246 TO -308	62	48				MAGOTHY	
46712	1973	20	P.S.	WTDR	- 53 TO - 80	27	10	19	03-05-73	TURB	UPGLAC	30
46713	1973	20	P.S.	WTDR	-295 TO -423	128	20	14	03-07-73	TURB	MAGOTHY	27
46830	1973	76	P.S.	WTDR	-474 TO -575	101	20	70	10-16-73		MAGOTHY	56
46871	1973	196	UNSD	TEST							MAGOTHY	
46911	1973	41	UNSD	OBS	21 TO 16	5	6				UPGLAC	
46912	1973	42	UNSD	OBS	24 TO 19	5	6				UPGLAC	

Table 2.--Hydrologic units and well-completion data

HYDROLOGIC UNIT PENETRATED AND ELEVATION OF UNIT SURFACE, IN FEET ABOVE OR BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929										
Location of well			Well depth (ft)	Upper glacial aquifer	Gardiners Clay	Monmouth greensand	Magothy aquifer	Raritan clay	Lloyd aquifer	Bedrock
Well number	Map coord	Latitude and Longitude								
46928	E13	405455 0730258.01	654	166			- 35			
46963	E12	405226 0730957.01	133	147						
46964	E10	405225 0731522.00	114	123						
46965	E10	405230 0731644.00	152	166						
46966	D16	404952 0724705.01	86	89						
47002	E19	405300 0723052.01	163	90						
47024	D17	404628 0724308.04	377	10		-210	-321			
47157	D11	404933 0731342.01	25	105						
47218	E14	405335 0725629.00	703	71			-307			
47222	C10	404200 0731636.01	28	75						
47223	C12	404351 0730541.01	30	55						
47224	D15	404817 0725325.00	33	20						
47225	E14	405218 0725611.01	31	51						
47227	E16	405240 0724914.01	100	40						
47228	E16	405306 0724827.01	101	40						
47231	F18	405541 0723753.00	40	40						
47233	Q20	410348 0722729.00	51	11						
47234	G21	410213 0722327.00	27	7						
47235	G23	410037 0721451.01	22	5						
47236	G23	410156 0721336.01	60	35						
47281	E17	405349 0724415.02	275	140	- 78		- 90			
47282	E17	405849 0724415.03	283	140	- 87		- 95			
47436	E15	405124 0725408.01	196	105						
47437	E15	405124 0725408.02	179	105						
47438	E15	405124 0725408.03	269	105			-103			
47439	D14	404739 0725627.02	707	71			-114			
47453	D12	404804 0730513.00	443	100	- 86		-102			
47672	D11	404810 0731132.00	734	100			-341			
47673	E11	405142 0731058.01	279	109						
47675	E12	405111 0730658.01	90	80						
47698	E12	405307 0730609.01	104	133						
47711	C 9	404119 0732219.01	221	25	- 47		- 68			
47718	D12	404941 0730654.01	51	68						
47741	E 8	405211 0732507.00	559	70						
47743	D13	404642 0730058.01	100	35						
47745	E14	405417 0725727.01	32	62						
47746	D14	404847 0725713.00	84	90						
47747	D15	404740 0725452.00	35	31						
47748	F15	405638 0725147.00	36	110						
47750	E15	405004 0725154.00	95	95						
47752	D14	404607 0725947.01	100	23						
47755	E16	405136 0724645.00	58	63						
47756	D14	404922 0725950.01	69	89						
47757	E13	405008 0730255.01	138	160						
47758	D12	404852 0730504.01	102	121						
47886	C 9	404204 0732420.01	509	43			- 47			
47887	C 8	404046 0732521.02	648	26	- 56		- 64			
47945	F14	405648 0725551.01	142	143						
47973	F12	405604 0730643.01	90	94						
47974	F13	405532 0730257.01	150	149						
47975	E14	405050 0725953.01	129	153						
47976	F14	405605 0725915.01	138	150						
47977	D15	404711 0725150.00	55	38						
48014	E12	405203 0730855.01	343	124			-109			
48193	D 9	404515 0732255.02	534	80						

from selected wells and test holes in Suffolk County, New York.

WELL-COMPLETION DATA												
Well Number	Year Completed	Elevation of LSD (ft above or below NGVD)	Use of Water	Use of Well	Screen Setting (ft above or below NGVD)	Total Screen Length (ft)	Diam of Well (in)	Water level (ft below LSD)	Date of Meas. (M-D-Y)	Lift Type	Aquifer Developed	Specific Capacity (GPM/ft)
46928	1973	166	P.S.	WTDR	-424 TO -484	60	20	121	07-27-73		MAGOTHY	38
46963	1973	147	UNSD	OBS	26 TO 16	10	6				UPGLAC	
46964	1973	123	UNSD	OBS	21 TO 11	10	6				UPGLAC	
46965	1973	166	UNSD	OBS	28 TO 18	10	6				UPGLAC	
46966	1973	89	UNSD	OBS	15 TO 5	10	6				UPGLAC	
47002	1972	90	UNSD	TEST	- 68 TO - 73	5	4	81	11-12-72		UPGLAC	
47024	1973	10	P.S.	WTDR	-323 TO -358	35	16	2	06-07-73	SUBM	MAGOTHY	3
47157	1973	105	UNSD	OBS	93 TO 83	10	6				UPGLAC	
47218	1973	71	UNSD	TEST				22	06-01-73		MAGOTHY	10
47222	1973	75	UNSD	OBS	59 TO 49	10	6				UPGLAC	
47223	1973	55	UNSD	OBS	37 TO 27	10	6				UPGLAC	
47224	1973	20	UNSD	OBS	- 1 TO - 11	10	6				UPGLAC	
47225	1973	51	UNSD	OBS	32 TO 22	10	6				UPGLAC	
47227	1973	40	UNSD	OBS	- 48 TO - 58	10	6				UPGLAC	
47228	1973	40	UNSD	OBS	- 47 TO - 57	10	6				UPGLAC	
47231	1973	40	UNSD	OBS	15 TO 5	10	6				UPGLAC	
47233	1973	11	UNSD	OBS	- 28 TO - 38	10	4				UPGLAC	
47234	1973	7	UNSD	OBS	- 8 TO - 18	10	4				UPGLAC	
47235	1973	5	UNSD	OBS	- 7 TO - 17	10	4				UPGLAC	
47236	1973	35	UNSD	OBS	- 12 TO - 22	10	4				UPGLAC	
47281	1973	140	INST	WTDR	- 90 TO -135	45	10	116	05-09-73	TURB	MAGOTHY	24
47282	1973	140	INST	WTDR	- 98 TO -143	45	10	115	05-14-73	TURB	MAGOTHY	25
47436	1973	105	P.S.	WTDR	-144 TO -183	39	10				UPGLAC	37
47437	1973	105	P.S.	WTDR	- 17 TO - 72	55	20				UPGLAC	
47438	1973	105	P.S.	WTDR	-109 TO -160	51	20	52	09-20-73		MAGOTHY	36
47439	1973	71	P.S.	WTDR							MAGOTHY	
47453	1973	100	P.S.	WTDR	-280 TO -340	60	20	57	05-24-73	TURB	MAGOTHY	42
47672	1973	100	UNSD	TEST							MAGOTHY	
47673	1973	109	P.S.	WTDR	-106 TO -167	61	20	85	08-06-73	TURB	UPGLAC	125
47675	1973	80	UNSD	OBS	2 TO - 8	10	6				UPGLAC	
47698	1973	133	UNSD	OBS	41 TO 31	10	6				UPGLAC	
47711	1974	25	IND	WTDR	-183 TO -196	13	8	9	05-01-73	SUBM	MAGOTHY	20
47718	1973	68	UNSD	OBS	29 TO 19	10	6				UPGLAC	
47741	1973	70	UNSD	TEST	-469 TO -489	20	6				UPGLAC	
47743	1973	35	UNSD	OBS	- 53 TO - 63	10	6				UPGLAC	
47745	1973	62	UNSD	OBS	42 TO 32	10	6				UPGLAC	
47746	1973	90	UNSD	OBS	18 TO 8	10	6				UPGLAC	
47747	1973	31	UNSD	OBS	8 TO - 2	10	6				UPGLAC	
47748	1973	110	UNSD	OBS	86 TO 76	10	6				UPGLAC	
47750	1973	95	UNSD	OBS	12 TO 2	10	6				UPGLAC	
47752	1973	23	UNSD	OBS	- 65 TO - 75	10	6				UPGLAC	
47755	1973	63	UNSD	OBS	17 TO 7	10	6				UPGLAC	
47756	1973	89	UNSD	OBS	32 TO 22	10	6				UPGLAC	
47757	1973	160	UNSD	OBS	34 TO 24	10	6				UPGLAC	
47758	1973	121	UNSD	OBS	31 TO 21	10	6				UPGLAC	
47886	1973	43	P.S.	WTDR	-408 TO -458	50	20	18	08-13-73		MAGOTHY	28
47887	1973	26	P.S.	WTDR	-513 TO -614	101	20	6	06-13-73		MAGOTHY	
47945	1973	143	UNSD	OBS	13 TO 3	10	6				UPGLAC	
47973	1973	94	UNSD	OBS	16 TO 6	10	6				UPGLAC	
47974	1973	149	UNSD	OBS	14 TO 4	10	6				UPGLAC	
47975	1973	153	UNSD	OBS	35 TO 25	10	6				UPGLAC	
47976	1973	150	UNSD	OBS	27 TO 17	17	6				UPGLAC	
47977	1973	38	UNSD	OBS	- 5 TO - 15	10	6				UPGLAC	
48014	1973	124	P.S.	WTDR	-158 TO -219	61	20	84	10-03-73		MAGOTHY	30
48193	1974	80	P.S.	WTDR	-375 TO -446	71	20	29	12-21-73		UPGLAC	43

Table 2.--Hydrologic units and well-completion data

Location of well			HYDROLOGIC UNIT PENETRATED AND ELEVATION OF UNIT SURFACE, IN FEET ABOVE OR BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929							
Well number	Map coord	Latitude and Longitude	Well depth (ft)	Upper glacial aquifer	Gardiners Clay	Monmouth greensand	Magothy aquifer	Raritan clay	Lloyd aquifer	Bedrock
48422	D12	404948 0730848.01	735	95			-165			
48423	F13	405609 0730213.00	687	133						
48424	D14	404904 0725700.02	810	102			-180			
48425	F21	405606 0722027.01	44	35						
48426	F22	405740 0721900.01	121	117						
48427	F22	405618 0721805.01	52	38						
48428	F27	405704 0721659.01	71	63						
48429	F23	405807 0721210.01	66	50						
48430	F21	405501 0722155.01	43	22						
48432	F21	405606 0722357.01	63	52						
48433	F21	405644 0722201.01	135	78						
48434	E18	405227 0723523.01	187	170						
48435	E18	405051 0723531.01	59	170						
48436	E17	405229 0724156.01	105	112						
48437	F22	405831 0721712.01	72	65						
48438	F22	405844 0721916.01	82	114						
48439	E20	405325 0722627.02	51	31						
48441	E21	405349 0722348.01	61	47						
48442	D17	404941 0724148.01	55	44						
48517	F22	405838 0721540.01	71	36						
48518	F23	405650 0721452.01	71	37						
48519	G22	410243 0715601.01	82	80						
48520	F23	405918 0721321.01	62	50						
48521	F22	405940 0721647.01	75	48						
48522	F24	405858 0720624.01	92	20						
48577	G22	410149 0715832.01	109	180						
48578	F21	405928 0721104.01	32	90						
48579	G22	410316 0715355.01	66	28						
48580	G21	410124 0721032.01	46	40						
48581	E19	405808 0723222.01	76	60						
48582	E18	405225 0723701.01	105	80						
48583	E18	405139 0723850.01	139	87						
48719	E 9	405319 0732336.01	349	101						
48759	D13	404641 0730054.02	35	28						
48946	E16	405121 0724906.01	45	40						
49018	D14	404739 0725627.01	516	71			-116			
49439	E10	405353 0731822.01	707	120						
49477	E16	405006 0724900.01	279	70			-110			
49542	C 9	404206 0732458.02	560	45	- 29		- 53			
49543	E13	405410 0730101.01	706	125						
49606	E14	405335 0725629.03	703	75			-300			
50222	F15	405738 0725420.01	212	100						
50399	F18	405723 0723754.03	346	48						
50546	C10	404432 0731513.03	668	39	- 42		- 71			
50630	C12	404226 0730733.04	243	20	- 85		-120			
50970	E19	405305 0723230.01	208	90						
51169	G21	410349 0722222.01	54	35						
51170	G21	410311 0722155.01	43	10						
51171	G21	410410 0722147.01	53	27						
51173	H21	410510 0722123.01	49	45						
51174	G21	410437 0722056.01	61	45						
51175	G21	410416 0722501.01	48	39						
51177	G22	410316 0721921.01	27	18						
51178	G22	410344 0721932.01	47	28						
51179	G22	410424 0721928.01	55	18						

from selected wells and test holes in Suffolk County, New York.

WELL-COMPLETION DATA												
Well Number	Year Completed	Elevation of LSD (ft above or below NGVD)	Use of Water	Use of Well	Screen Setting (ft above or below NGVD)	Total Screen Length (ft)	Diam of Well (in)	Water level (ft below LSD)	Date of Meas. (M-D-Y)	Lift Type	Aquifer Developed	Specific Capacity (GPM/ft)
48422	1974	95	UNSD	TEST							MAGOTHY	
48423	1973	133	UNSD	TEST							UPGLAC	
48424	1974	102	UNSD	TEST							MAGOTHY	
48425	1973	35	UNSD	OBS	1 TO - 9	10	6				UPGLAC	
48426	1973	117	UNSD	OBS	8 TO - 2	10	6				UPGLAC	
48427	1973	38	UNSD	OBS	- 1 TO - 11	10	4				UPGLAC	
48428	1973	63	UNSD	OBS	- 4 TO - 6	10	6				UPGLAC	
48429	1973	50	UNSD	OBS	- 4 TO - 14	10	4				UPGLAC	
48430	1973	22	UNSD	OBS	- 7 TO - 17	10	4				UPGLAC	
48432	1973	52	UNSD	OBS	- 1 TO - 11	10	6				UPGLAC	
48433	1973	78	UNSD	OBS	- 44 TO - 54	10	6				UPGLAC	
48434	1973	170	UNSD	OBS	- 5 TO - 15	10	6				UPGLAC	
48435	1973	170	UNSD	OBS	126 TO 112	14	6				UPGLAC	
48436	1973	112	UNSD	OBS	20 TO 10	10	6				UPGLAC	
48437	1973	65	UNSD	OBS	6 TO - 4	10	6				UPGLAC	
48438	1973	114	UNSD	OBS	45 TO 35	10	6				UPGLAC	
48439	1973	31	UNSD	OBS	- 6 TO - 16	10	6				UPGLAC	
48441	1973	47	UNSD	OBS	0 TO - 10	10	6				UPGLAC	
48442	1973	44	UNSD	OBS	2 TO - 8	10	6				UPGLAC	
48517	1973	36	UNSD	OBS	- 21 TO - 31	10	6				UPGLAC	
48518	1973	37	UNSD	OBS	- 20 TO - 30	10	4				UPGLAC	
48519	1973	80	UNSD	OBS	11 TO 1	10	6				UPGLAC	
48520	1973	50	UNSD	OBS	1 TO - 9	10	6				UPGLAC	
48521	1973	48	UNSD	OBS	- 14 TO - 24	10	4				UPGLAC	
48522	1973	20	UNSD	OBS	- 59 TO - 69	10	6				UPGLAC	
48577	1973	180	UNSD	OBS	6 TO - 4	10	6				UPGLAC	
48578	1973	90	UNSD	OBS	71 TO 61	10	4				UPGLAC	
48579	1973	28	UNSD	OBS	- 25 TO - 35	10	6				UPGLAC	
48580	1973	40	UNSD	OBS	6 TO - 4	10	6				UPGLAC	
48581	1973	60	UNSD	OBS	- 4 TO - 18	14	6				UPGLAC	
48582	1973	80	UNSD	OBS	- 12 TO - 22	10	6				UPGLAC	
48583	1973	87	UNSD	OBS	- 39 TO - 49	10	6				UPGLAC	
48719	1973	101	P.S.	WTDR	-182 TO -242	60	20	90	10-03-73		UPGLAC	52
48759	1973	28	UNSD	OBS	5 TO - 5	10	6				UPGLAC	
48946	1973	40	UNSD	OBS	7 TO - 3	10	6				UPGLAC	37
49018	1973	71	P.S.	WTDR	-382 TO -442	60	20	44	09-21-73		MAGOTHY	
49439	1973	120	UNSD	TEST							UPGLAC	
49477	1974	70	IRR	WTDR	-179 TO -209	30	12	40	05-03-74		MAGOTHY	13
49542	1973	45	UNSD	TEST	-495 TO -515	20	6				MAGOTHY	
49543	1973	125	UNSD	TEST							UPGLAC	
49606	1973	75	UNSD	TEST							MAGOTHY	
50222	1974	100	P.S.	WTDR	- 17 TO - 52	35	16	44	02-11-74		UPGLAC	11
50399	1973	48	UNSD	TEST				36	11-28-73		UPGLAC	
50546	1974	39	P.S.	WTDR	-565 TO -626	61	20	21	01-05-74		MAGOTHY	50
50630	1974	20	P.S.	WTDR	-150 TO -220	70	20	7	02-06-74		MAGOTHY	20
50970	1973	90	P.S.	WTDR	- 98 TO -118	20	14	87	08-12-73	TURB	UPGLAC	5
51169	1974	35	UNSD	TEST	- 9 TO - 19	10	6				UPGLAC	
51170	1974	10	UNSD	TEST	- 23 TO - 33	10	4				UPGLAC	
51171	1974	27	UNSD	TEST	- 16 TO - 26	10	6				UPGLAC	
51173	1974	45	UNSD	TEST	6 TO - 4	10	4				UPGLAC	
51174	1974	45	UNSD	TEST	- 6 TO - 16	10	6				UPGLAC	
51175	1974	39	UNSD	TEST	1 TO - 9	10	6				UPGLAC	
51177	1974	18	UNSD	TEST	1 TO - 9	10	4				UPGLAC	
51178	1974	28	UNSD	TEST	3 TO - 7	10	6				UPGLAC	
51179	1974	18	UNSD	TEST	- 27 TO - 37	10	4				UPGLAC	

Table 2.--Hydrologic units and well-completion data

Location of well			HYDROLOGIC UNIT PENETRATED AND ELEVATION OF UNIT SURFACE, IN FEET ABOVE OR BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929							
Well number	Map coord	Latitude and Longitude	Well depth (ft)	Upper glacial aquifer	Gardiners Clay	Monmouth greensand	Magothy aquifer	Raritan clay	Lloyd aquifer	Bedrock
51180	G21	410452 0722002.01	39	4						
51181	H22	410534 0721946.01	62	49						
51182	H22	410602 0721958.01	64	61						
51183	G22	410334 0721727.01	39	41						
51184	G22	410147 0721841.01	32	18						
51185	G22	410132 0721846.01	33	10						
51186	G22	410047 0721847.01	42	22						
51214	C 8	404210 0732502.01	395	45	- 38		- 53			
51274	G26	410253 0715708.01	55	20						
51275	G26	410212 0715744.01	178	124						
51322	F18	405717 0723748.02	200	33						
51336	F17	405808 0724213.01	200	120						
51461	C14	404119 0725935.01	467	5	-119	-150	-311			
51519	D11	404808 0731133.01	408	100						
51566	F17	405716 0724133.01	89	74						
51567	F17	405653 0724225.01	92	81						
51568	F18	405808 0723854.01	70	65						
51571	F17	405805 0724037.01	108	86						
51573	F18	405512 0723952.01	90	25						
51575	F17	405544 0724118.01	34	37						
51576	F17	405559 0724252.01	69	60						
51577	F17	405630 0724420.01	95	80						
51578	F16	405721 0724537.01	126	85						
51579	F16	405542 0724630.01	87	78						
51580	F16	405714 0724709.01	135	80						
51581	F19	405722 0723420.01	45	32						
51582	F18	405953 0723539.01	84	62						
51583	F16	405500 0724952.01	51	68						
51584	F16	405757 0724918.01	142	105						
51586	F16	405642 0724919.01	100	103						
51587	F18	405809 0723709.01	80	61						
51588	F18	405634 0723805.01	60	38						
51589	F18	405704 0723614.01	44	31						
51591	E16	405418 0724706.01	30	35						
51592	E16	405349 0724941.01	42	56						
51609	D12	404820 0730734.03	729	99			-117			
51828	F16	405745 0724557.01	149	85						
51953	F13	405607 0730213.01	316	133						
52050	G21	410400 0722020.01	348	44			-297			
52084	H21	410516 0722009.01	74	29						
52162	C15	404357 0725157.01	1695	8	-108	-144	-277	-1336	-1542	
52236	D 9	404504 0732219.01	98	80			-185			
52383	F17	405542 0724453.01	64	63						
52434	E11	405426 0731216.01	73	15						
52449	F18	405512 0723952.02	41	58						
52490	E13	405354 0730212.02	554	137			-223			
52886	F15	405513 0725054.01	57	45						
52943	D15	404558 0725210.01	310	23	- 89	-115	-217			
52944	D14	404905 0725655.01	204	102						
53274	D11	404758 0731277.01	800	109			- 97			
53291	E13	405002 0730226.02	265	180						
53322	G21	410057 0723155.01	100	53						
53323	H21	410702 0722216.01	52	30						
53324	G19	410104 0723033.01	62	42						
53325	G19	410007 0723319.01	68	41						

from selected wells and test holes in Suffolk County, New York.

WELL-COMPLETION DATA												
Well Number	Year Completed	Elevation of LSD (ft above or below NGVD)	Use of Water	Use of Well	Screen Setting (ft above or below NGVD)	Total Screen Length (ft)	Diam of Well (in)	Water level (ft below LSD)	Date of Meas. (M-D-Y)	Lift Type	Aquifer Developed	Specific Capacity (GPM/ft)
51180	1974	41	UNSD	TEST	12 TO 2	10	6				UPGLAC	
51181	1974	49	UNSD	TEST	- 3 TO - 13	10	6				UPGLAC	
51182	1974	61	UNSD	TEST	7 TO - 3	10	6				UPGLAC	
51183	1974	41	UNSD	TEST	12 TO 2	10	6				UPGLAC	
51184	1973	18	UNSD	OBS	- 2 TO - 12	10	4				UPGLAC	
51185	1973	10	UNSD	OBS	- 10 TO - 20	10	4				UPGLAC	
51186	1973	22	UNSD	OBS	- 8 TO - 18	10	4				UPGLAC	
51214	1974	45	P.S.	WTDR	- 285 TO - 345	60		18	03-12-74		MAGOTHY	35
51274	1974	20	P.S.	WTDR	- 17 TO - 34	17	8	4	03-26-74	TURB	UPGLAC	15
51275	1974	124	P.S.	WTDR	- 31 TO - 51	20	10	120	03-18-74	SUBM	UPGLAC	33
51322	1974	33	ARCD	WTDR	- 136 TO - 167	31	10	40	05-14-74	TURB	UPGLAC	34
51336	1974	120	IRR	WTDR	- 65 TO - 80	15		158	03-18-74	TURB	UPGLAC	1
51461	1974	5	P.S.	WTDR	- 425 TO - 455	30	6	14	05-30-74	SUBM	MAGOTHY	26
51519	1974	100	P.S.	WTDR	- 225 TO - 305	80	20	70			UPGLAC	33
51566	1974	74	UNSD	OBS	- 3 TO - 13	10	6				UPGLAC	
51567	1974	81	UNSD	OBS	1 TO - 9	10	6				UPGLAC	
51568	1974	65	UNSD	OBS	7 TO - 3	10	6				UPGLAC	
51571	1974	86	UNSD	OBS	- 10 TO - 20	10	6				UPGLAC	
51573	1974	25	UNSD	OBS	- 53 TO - 63	10	6				UPGLAC	
51575	1974	37	UNSD	OBS	15 TO 5	10	6				UPGLAC	
51576	1974	60	UNSD	OBS	3 TO - 7	10	6				UPGLAC	
51577	1974	80	UNSD	OBS	- 3 TO - 13	10	6				UPGLAC	
51578	1974	85	UNSD	OBS	- 29 TO - 39	10	6				UPGLAC	
51579	1974	78	UNSD	OBS	3 TO - 7	10	6				UPGLAC	
51580	1975	80	UNSD	OBS	- 42 TO - 52	10	6				UPGLAC	
51581	1974	32	UNSD	OBS	- 1 TO - 11	10	6				UPGLAC	
51582	1974	62	UNSD	OBS	- 10 TO - 20	10	6				UPGLAC	
51583	1974	68	UNSD	OBS	29 TO 19	10	6				UPGLAC	
51584	1974	105	UNSD	OBS	- 22 TO - 37	15	6				UPGLAC	
51586	1974	103	UNSD	OBS	15 TO 5	10	6				UPGLAC	
51587	1974	61	UNSD	OBS	- 8 TO - 18	10	6				UPGLAC	
51588	1974	38	UNSD	OBS	- 10 TO - 20	10	6				UPGLAC	
51589	1974	31	UNSD	OBS	0 TO - 10	10	6				UPGLAC	
51591	1974	35	UNSD	OBS	21 TO 11	10	6				UPGLAC	
51592	1974	56	UNSD	OBS	27 TO 17	10	6				UPGLAC	
51609	1974	99	P.S.	WTDR	- 572 TO - 627	55	20	63	08-15-74	TURB	MAGOTHY	34
51828	1974	85	UNSD	OBS	- 44 TO - 64	20	6				UPGLAC	
51953	1975	133	P.S.	WTDR	- 102 TO - 162	60	42	102	10-01-74	TURB	UPGLAC	73
52050	1974	44	UNSD	TEST							MAGOTHY	
52084	1974	29	UNSD	TEST	- 33 TO - 43	10	6				UPGLAC	
52162	1974	8	UNSD	OBS	-1662 TO -1682	20	4				LLOYD	
52236	1974	80	DOM	WTDR	- 14 TO - 18	4	4				UPGLAC	
52383	1974	63	UNSD	OBS	12 TO 2	10	6				UPGLAC	
52434	1974	15	DOM	WTDR	- 52 TO - 57	5	5				UPGLAC	
52449	1974	58	UNSD	OBS	29 TO 19	10	6				UPGLAC	
52490	1974	137	P.S.	WTDR	- 343 TO - 417	74	48	94	10-10-74		MAGOTHY	33
52886	1974	45	UNSD	OBS	3 TO - 12	15	6				UPGLAC	
52943	1974	23	UNSD	TEST	- 66 TO - 92	26	8	21	09-11-74		UPGLAC	11
52944	1974	102	P.S.	WTDR	- 44 TO - 99	55	20	65	10-29-74		UPGLAC	87
53274	1974	109	UNSD	TEST							MAGOTHY	
53291	1975	180	P.S.	WTDR	- 22 TO - 82	60	20	123	05-29-75	TURB	IPGLAC	77
53322	1974	53	UNSD	OBS	- 26 TO - 46	20	8				UPGLAC	
53323	1974	30	UNSD	OBS	- 9 TO - 19	10	4				UPGLAC	
53324	1974	42	UNSD	OBS	- 7 TO - 17	10	4				UPGLAC	
53325	1974	41	UNSD	OBS	- 12 TO - 22	10	4				UPGLAC	

Table 2.--Hydrologic units and well-completion data

HYDROLOGIC UNIT PENETRATED AND ELEVATION OF UNIT SURFACE, IN FEET ABOVE OR BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929										
Location of well			Well depth (ft)	Upper glacial aquifer	Gardiners Clay	Monmouth greensand	Magothy aquifer	Raritan clay	Lloyd aquifer	Bedrock
Well number	Map coord	Latitude and Longitude								
53326	G20	410229 0722957.01	92	60						
53327	G20	410022 0722936.01	44	24						
53328	G21	410234 0722436.01	41	20						
53329	G20	410140 0722816.01	71	30						
53330	H21	410706 0722032.01	52	15						
53331	H21	410753 0722055.01	70	47						
53332	F19	405843 0723243.01	45	25						
53333	F19	405924 0723423.01	74	51						
53334	F19	405959 0723039.01	53	32						
53335	G20	410304 0722627.01	37	16						
53336	G19	410017 0723155.01	42	18						
53337	H22	410906 0721713.01	52	20						
53338	G20	410412 0722613.01	65	39						
53339	G20	404722 0730305.01	798	50	-122		-140			
53360	E10	405032 0731628.02	703	141			- 88			
53361	E10	405133 0731559.01	521	148			- 75			
53497	D12	404950 0730850.01	173	90						
53498	D12	404950 0730850.02	721	90			-180			
53522	E17	405230 0724300.01	137	167	- 69		- 81			
53593	E18	405124 0723536.03	161	47						
53747	E10	405140 0731910.01	453	171			-117			
53851	E17	405230 0724300.02	291	167	- 69		- 81			
54099	E13	405029 0730321.01	703	170			- 90			
54155	C10	404326 0731735.01	721	38			- 97			
54162	E10	405359 0731828.01	543	151						
54305	D12	404805 0730515.02	313	100	- 78		- 96			
54308	D11	404759 0731225.01	797	109			-106			
54377	B12	403936 0730525.01	630	5			-329			
54473	E13	405030 0730321.03	312	170	- 69		-130			
54478	F18	405906 0723528.01	125	65			-481			
54479	F18	405857 0723538.01	467	65			-481			
54568	C 8	404210 0732502.02	423	45	- 38		- 53			
54731	B10	403822 0731550.01	750	8			-117			
54957	D11	404618 0731233.01	378	50			- 74			
55028	E25	405332 0722420.01	161	50			-158			
55076	F18	405856 0723540.01	343	68						
55094	E 9	405122 0732327.01	180	185						
55733	C10	404326 0731741.01	233	38			- 97			
56133	E10	405434 0731942.02	333	70						
56423	C10	404418 0731718.01	800	50	- 50		- 75			
56508	D13	404542 0730133.01	709	6	-116	-135	-184			
56674	D13	404950 0730015.01	179	107	- 71					
56980	F18	405935 0723548.01	1104	35			-285	-715	-875	-1015
57008	D10	404658 0731642.01	635	111			-160			
57354	E 8	405126 0732737.01	257	50						
57357	G26	410249 0715545.01	93	32		-110				
57666	D 9	404604 0732458.01	270	105						
57723	C13	404322 0730450.01	807	38			-152			
57748	F 8	405520 0732939.01	418	82				-282	-300	
57979	F12	405614 0730515.01	582	100			- 55			
57980	F13	405510 0730452.01	703	187			- 98	-573		
58708	D10	404936 0731525.01	423	132			- 16			
58755	E13	405052 0730205.01	252	240						
58761	E13	405342 0730307.01	723	130			-165			
58921	G25	410040 0720025.01	75	48						

from selected wells and test holes in Suffolk County, New York.

WELL-COMPLETION DATA												
Well Number	Year Completed	Elevation of LSD (ft above or below NGVD)	Use of Water	Use of Well	Screen Setting (ft above or below NGVD)	Total Screen Length (ft)	Diam of Well (in)	Water level (ft below LSD)	Date of Meas. (M-D-Y)	Lift Type	Aquifer Developed	Specific Capacity (GPM/ft)
53326	1974	60	UNSD	OBS	- 19 TO - 29	10	4				UPGLAC	
53327	1974	24	UNSD	OBS	- 8 TO - 18	10	4				UPGLAC	
53328	1974	20	UNSD	OBS	- 9 TO - 19	10	4				UPGLAC	
53329	1975	30	UNSD	OBS	- 26 TO - 41	15	8				UPGLAC	
53330	1975	15	UNSD	OBS	- 17 TO - 37	20	4				UPGLAC	
53331	1974	47	UNSD	OBS	- 11 TO - 21	10	4				UPGLAC	
53332	1974	25	UNSD	OBS	- 8 TO - 18	10	4				UPGLAC	
53333	1974	51	UNSD	OBS	- 11 TO - 21	10	4				UPGLAC	
53334	1974	32	UNSD	OBS	- 9 TO - 19	10	4				UPGLAC	
53335	1974	16	UNSD	OBS	- 9 TO - 19	10	4				UPGLAC	
53336	1974	18	UNSD	OBS	- 12 TO - 22	10	4				UPGLAC	
53337	1975	20	UNSD	OBS	- 12 TO - 32	20	4				UPGLAC	
53338	1974	39	UNSD	OBS	- 14 TO - 24	10	4				UPGLAC	
53339	1974	50	UNSD	TEST							MAGOTHY	
53360	1975	141	P.S.	WTDR	-407 TO -526	119	20	80	02-27-75	TURB	MAGOTHY	76
53361	1975	148	P.S.	WTDR	-289 TO -369	80	20	111	05-15-75	TURB	MAGOTHY	61
53497	1975	90	P.S.	WTDR	- 25 TO - 80	55	42				UPGLAC	
53498	1975	90	P.S.	WTDR	-573 TO -628	55	42				MAGOTHY	
53522	1976	167	P.S.	WTDR							MAGOTHY	
53593	1974	47	P.S.	WTDR	- 71 TO -111	40	20	38	12-17-74		UPGLAC	
53747	1975	171	P.S.	WTDR	-199 TO -277	78	20	111	10-03-75	TURB	MAGOTHY	51
53851	1975	167	P.S.	WTDR							MAGOTHY	
54099	1975	170	UNSD	TEST				114	02-27-75		MAGOTHY	
54155	1975	38	UNSD	TEST							MAGOTHY	
54162	1975	151	P.S.	WTDR	-304 TO -374	70	20	130	03-18-75		UPGLAC	82
54305	1975	100	P.S.	WTDR	-149 TO -210	61	20	55	06-02-75		MAGOTHY	26
54308	1975	109	P.S.	WTDR	-613 TO -683	70	20	72	05-06-75	TURB	MAGOTHY	50
54377	1975	5	P.S.	WTDR	-575 TO -625	50	12	10	04-03-75	TURB	MAGOTHY	20
54473	1975	170	P.S.	WTDR	- 78 TO -139	61	20	115	07-16-75	TURB	MAGOTHY	44
54478	1975	65	UNSD	TEST	- 29 TO - 60	31	12	56	03-31-75		MAGOTHY	66
54479	1975	65	UNSD	OBS	-392 TO -402	10	6				MAGOTHY	
54568	1975	45	P.S.	WTDR	-293 TO -376	83	20	23	05-12-75	TURB	MAGOTHY	41
54731	1975	8	P.S.	WTDR	-691 TO -742	51	14	4	07-21-75		MAGOTHY	21
54957	1976	50	P.S.	WTDR	-268 TO -323	55	20	19			MAGOTHY	10
55028	1975	50	P.S.	WTDR	- 75 TO -110	35	10	43	08-01-75		UPGLAC	175
55076	1975	68	UNSD	UNSD							UPGLAC	
55094	1975	185	UNSD	UNSD							UPGLAC	
55733	1975	38	P.S.	WTDR	-142 TO -192	50	20	14	09-25-75	TURB	MAGOTHY	56
56133	1976	70	UNSD	TEST	-157 TO -261	104	20	23	05-12-76		UPGLAC	108
56423	1975	50	UNSD	TEST		0		21			MAGOTHY	13
56508	1976	6	UNSD	TEST		0					MAGOTHY	
56674	1975	107	P.S.	WTDR	- 15 TO - 65	50	20	56	12-26-75		UPGLAC	88
56980	1976	35	UNSD	TEST							LLOYD	
57008	1976	111	P.S.	WTDR	-418 TO -521	103	20	62	02-23-76	TURB	MAGOTHY	50
57354	1976	50	P.S.	WTDR	-163 TO -204	41	12	19	04-29-76	TURB	UPGLAC	48
57357	1976	32	UNSD	UNSD	- 26 TO - 57	31	10	29	03-18-76		UPGLAC	152
57666	1976	105	ARCD	WTDR	-135 TO -165	30	8	43	08-10-76	TURB	UPGLAC	13
57723	1976	38	UNSD	TEST			16				MAGOTHY	
57748	1977	82	DOM	WTDR	-331 TO -336	5	4	78	05-15-76	SUBM	LLOYD	2
57979	1976	100	P.S.	WTDR	-389 TO -479	90	20	59	05-26-76	TURB	MAGOTHY	56
57980	1977	187	P.S.	WTDR	-443 TO -513	70	20	144	01-03-77	TURB	MAGOTHY	24
58708	1976	132	P.S.	WTDR	-197 TO -257	60	20	81	09-28-76	TURB	MAGOTHY	50
58755	1976	240	DOM	WTDR	- 6 TO - 12	6	4				UPGLAC	
58761	1977	130	UNSD	UNSD	-522 TO -593	71	20	82	02-15-77		MAGOTHY	22
58921	1976	48	UNSD	OBS	- 19 TO - 24	5	4				UPGLAC	

Table 2.--Hydrologic units and well-completion data

Location of well			HYDROLOGIC UNIT PENETRATED AND ELEVATION OF UNIT SURFACE, IN FEET ABOVE OR BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929							
Well number	Map coord	Latitude and Longitude	Well depth (ft)	Upper glacial aquifer	Gardiners Clay	Monmouth greensand	Magothy aquifer	Raritan clay	Lloyd aquifer	Bedrock
58922	G22	410356 0715442.01	62	48						
58923	G26	410401 0715702.02	76	57						
58924	F24	405934 0720932.01	139	110						
58925	F23	405948 0721240.01	92	72						
58956	F20	405556 0722512.01	43	5						
58957	F21	405608 0722307.01	203	189						
58958	F21	405737 0722158.01	210	190						
58959	F22	405816 0721628.01	203	187						
58960	F22	405827 0721905.01	164	164						
58961	F22	405831 0721639.01	131	131						
59012	E13	405040 0730134.01	259	240						
59073	E13	405045 0730206.01	250	240						
59347	C10	404419 0731715.01	463	51	- 53		- 79			
59711	G23	410123 0721303.01	394	65						
59719	E15	405323 0725213.01	150	63						
59744	D13	404722 0730305.02	301	80	-110		-125			
59793	F22	405615 0721823.01	580	34	- 81		-172			
59794	E21	405208 0722418.01	153	8						
59795	G22	410121 0721907.01	130	15	-109					
59992	F21	405642 0722400.01	292	24			-164			
60123	F23	405559 0721459.01	330	12			-155			
60124	F24	405922 0720634.01	195	27						
60125	G26	410330 0715638.01	315	87			-211			
60126	G24	410239 0720915.01	179	23						
60127	D13	404947 0730426.01	489	132	- 63		-374			
60177	F21	405857 0722137.01	840	99			-275			
60264	E13	405040 0730210.01	241	245						
60305	E13	405048 0730147.01	291	245						
60486	D13	404542 0730133.02	363	6	-116	-135	-184			
60775	E15	405223 0725202.01	140	63						
60812	D13	404524 0730448.01	489	38			-152			
60897	G26	410202 0715629.01	142	78	25		- 6			
60996	B10	403820 0731805.01	305	10	- 73	-120	-190			
61015	H20	410444 0722605.01	143	40						
61124	G25	410109 0720103.01	410	58						
61160	E19	404936 0723145.01	1040	15	- 40	-121	-251	-995		
61356	D 9	404804 0732038.01	752	170						
61664	U11	404415 0731140.01	763	28	- 66		- 85			
61937	E10	405249 0731928.02	594	237						
62022	D14	404717 0725956.02	313	60						
62101	F22	405801 0721804.01	286	74	- 66		-134			
62102	F24	405918 0720825.01	180	50		-120				
62240	E12	405147 0730648.01	652	118			-136			
62855	F22	405919 0721705.01	171	85	- 81					
63205	C 9	404202 0732427.01	417	40			- 50			
63311	E12	405059 0730507.01	802	130	- 56		- 65			
63365	E12	405147 0730811.01	835	100			-715			
63426	D 8	404638 0732511.01	295	120						
63618	C11	404416 0731137.01	553	20	- 83		- 92			
63794	E12	405154 0732546.01	650	170						
63966	E10	405053 0731509.01	653	79			- 36			
63967	D14	404948 0725917.01	804	110			-130			
64023	F14	405643 0725859.01	835	160			-603	-632		
64062	E11	405302 0731534.01	639	169			-228	-359		
64609	D12	404932 0730608.01	373	143						

from selected wells and test holes in Suffolk County, New York.

WELL-COMPLETION DATA												
Well Number	Year Completed	Elevation of LSD (ft above or below NGVD)	Use of Water	Use of Well	Screen Setting (ft above or below NGVD)	Total Screen Length (ft)	Diam of Well (in)	Water level (ft below LSD)	Date of Meas. (M-D-Y)	Lift Type	Aquifer Developed	Specific Capacity (GPM/ft)
58922	1976	48	UNSD	OBS	- 3 TO - 8	5	4				UPGLAC	
58923	1976	57	UNSD	OBS	- 8 TO - 13	5	4				UPGLAC	
58924	1976	110	UNSD	OBS	- 22 TO - 27	5	4				UPGLAC	
58925	1976	72	UNSD	OBS	- 13 TO - 18	5	4				UPGLAC	
58956	1976	5	UNSD	OBS	- 30 TO - 35	5	4				UPGLAC	
58957	1976	189	UNSD	OBS	- 7 TO - 12	5	4				UPGLAC	
58958	1976	190	UNSD	OBS	- 13 TO - 18	5	4				UPGLAC	
58959	1976	187	UNSD	OBS	- 8 TO - 13	5	4				UPGLAC	
58960	1976	164	UNSD	OBS	14 TO 9	5	4				UPGLAC	
58961	1976	131	UNSD	OBS	6 TO 1	5	4				UPGLAC	
59012	1976	240	DOM	WTDR	22 TO 16	6	4			SUBM	UPGLAC	
59073	1976	240	DOM	WTDR	- 4 TO - 10	6	4			SUBM	UPGLAC	
59347	1976	51	P.S.	WTDR	-337 TO -407	70	20	21	10-13-76	TURB	MAGOTHY	37
59711	1976	65	UNSD	OBS	- 97 TO -107	10	4				UPGLAC	
59719	1977	63	UNSD	TEST				20	09-24-76		UPGLAC	
59744	1976	80	P.S.	WTDR	-156 TO -216	60	20	47	11-12-76	TURB	MAGOTHY	36
59793	1977	34	UNSD	OBS	-478 TO -488	10	3				MAGOTHY	
59794	1977	8	UNSD	OBS	-107 TO -112	5	4				UPGLAC	
59795	1976	15	UNSD	OBS	- 93 TO - 98	5	4				UPGLAC	
59992	1976	24	UNSD	OBS	-244 TO -254	10	4				MAGOTHY	
60123	1976	12	UNSD	OBS	-258 TO -268	10	4				MAGOTHY	
60124	1976	27	UNSD	OBS	-137 TO -147	10	4				UPGLAC	
60125	1976	87	UNSD	OBS	-187 TO -197	10	4				MAGOTHY	
60126	1976	23	UNSD	OBS	-115 TO -125	10	4				UPGLAC	
60127	1977	132	P.S.	WTDR	-243 TO -353	110	20	88	03-16-77		MAGOTHY	240
60177	1976	99	UNSD	OBS							MAGOTHY	
60264	1976	245	DOM	WTDR	9 TO 4	5	4			SUBM	UPGLAC	
60305	1976	245	DOM	WTDR	- 40 TO - 46	6	4				UPGLAC	
60486	1977	6	P.S.	WTDR	-275 TO -358	83	36				MAGOTHY	
60775	1977	63	UNSD	OBS	- 36 TO - 76	40	8	46	01-28-77		UPGLAC	41
60812	1977	38	P.S.	WTDR	-366 TO -446	80	20	15	05-06-77	TURB	MAGOTHY	37
60897	1978	78	UNSD	UNSD	- 30 TO - 63	33	10	76	08-19-78		MAGOTHY	9
60996	1977	10	UNSD	UNSD	-285 TO -295	10	6	12	03-11-75		MAGOTHY	11
61015	1977	40	P.S.	WTDR	-103 TO -113	10					UPGLAC	
61124	1976	58	UNSD	OBS	-139 TO -149	10	4				UPGLAC	
61160	1977	15	UNSD	TEST							MAGOTHY	
61356	1977	170	P.S.	WTDR	-448 TO -508	60	24				UPGLAC	
61664	1977	28	UNSD	TEST							MAGOTHY	
61937	1978	237	P.S.	WTDR	-293 TO -354	61	20	195	08-24-78		UPGLAC	39
62022	1977	60	P.S.	WTDR	-190 TO -251	61	20	33	11-30-77		UPGLAC	69
62101	1977	74	DOM	WTDR	-192 TO -212	20	4			SUBM	MAGOTHY	
62102	1977	50	DOM	WTDR	-110 TO -130	20	4				UPGLAC	
62240	1978	118	P.S.	WTDR	-461 TO -521	60	20	61.92	04-07-78	TURB	MAGOTHY	43
62855	1977	85	P.S.	WTDR							UPGLAC	
63205	1978	40	P.S.	WTDR						TURB	MAGOTHY	
63311	1978	130	UNSD	TEST							MAGOTHY	
63365	1977	100	UNSD	TEST							UPGLAC	
63426	1977	120	UNSD	UNSD	-134 TO -175	41	12	43	12-21-77	TURB	UPGLAC	21
63618	1978	20	P.S.	WTDR	-470 TO -530	60	20	4	04-27-78	TURB	MAGOTHY	18
63794	1978	170	UNSD	UNSD							UPGLAC	
63966	1978	79	P.S.	WTDR	-481 TO -571	90	20	32	08-15-78		MAGOTHY	65
63967	1978	110	UNSD	TEST				63	04-06-78		MAGOTHY	15
64023	1978	160	UNSD	TEST							MAGOTHY	
64062	1978	169	P.S.	WTDR	-352 TO -467	115	20	129	10-26-78		MAGOTHY	57
64609	1979	143	P.S.	WTDR	-157 TO -227	70	20	91	02-01-79		UPGLAC	42

Table 2.--Hydrologic units and well-completion data

HYDROLOGIC UNIT PENETRATED AND ELEVATION OF UNIT SURFACE, IN FEET ABOVE OR BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929										
Location of well			Well depth (ft)	Upper glacial aquifer	Gardiners Clay	Monmouth greensand	Magothy aquifer	Raritan clay	Lloyd aquifer	Bedrock
Well number	Map coord	Latitude and Longitude								
64847	D11	404505 0731320.01	634	40			-114			
64927	E 9	405306 0732331.01	621	95						
64928	D11	404651 0731203.01	742	65	- 58		- 71			
65196	D10	404529 0731719.01	124	69	- 39		- 48			
65321	E17	405243 0724117.01	304	259	- 35					
65340	D12	404636 0730709.01	804	70			-282			
65505	C 9	404352 0732158.01	650	54			-132			
65766	D11	404759 0731228.01	796	100			-110			
66132	D 9	404605 0732417.01	140	100			40			
66133	C 9	404330 0732441.01	161	66			- 30			
66134	C 9	404235 0732411.01	150	51			- 53			
66135	C11	404430 0731233.01	168	34	- 56		- 59			
66136	B 9	403935 0732350.01	143	7	- 57		- 69			
66137	D 9	404618 0732121.01	143	140			70			
66138	C 9	404430 0732156.01	150	63	- 27		- 41			
66139	C 9	404332 0732122.01	153	42			- 44			
66140	C 9	404205 0732100.01	112	21			- 54			
66141	C 9	404058 0732025.01	133	5	- 53		-105			
66142	D10	404815 0731632.01	203	140	- 15		- 33			
66143	D10	404541 0731803.01	185	70	- 36		- 45			
66144	C10	404448 0731641.01	143	59	- 51		- 59			
66145	C10	404435 0731712.01	175	42			- 58			
66146	C10	404201 0731638.01	143	12	- 39		- 63			
66147	C12	404251 0730959.01	184	12	- 87	-104	-143			
66148	D11	404614 0731336.01	153	66			- 53			
66149	D11	404524 0731234.01	183	38			- 76			
66150	C11	404430 0731233.01	163	26	- 58		- 77			
66151	C11	404308 0731318.01	150	7	- 68		- 98			
66152	D11	404810 0731219.01	193	107			- 57			
66153	D11	404645 0731053.01	163	50			- 68			
66154	D11	404548 0731010.01	153	31	- 64		- 91			
66155	C11	404447 0731041.01	155	28	- 73		- 91			
66156	C12	404334 0730955.01	173	18	- 92		-112			
66183	D13	404722 0730305.03	543	71	-139		-159			
66366	E 9	405158 0732548.01	479	170						
66496	E12	405058 0730509.01	793	127	- 53		- 78			
66556	C 9	404308 0732431.01	753	50			- 48			
66733	F23	405814 0721008.01	607	45			-485			
66823	F13	405623 0730052.01	646	160						
66825	E21	405333 0722417.01	385	50			-162			
66880	E19	405031 0722850.01	216	5		-124	-239			
67074	D12	404632 0730706.01	832	70			-374			
67081	B11	403301 0731227.01	125	4	- 87	-102				
67082	B11	403739 0731432.01	234	12	- 73	-100	-206			
67083	B10	403729 0731701.01	125	12	- 80	- 97				
67084	B10	403825 0731823.01	205	9	- 73	- 91	-147			
67085	B 9	403813 0732007.01	122	10	- 70					
67086	B 9	403739 0732201.01	125	10	- 74					
67087	B 9	403657 0732421.01	205	10	- 74	- 95	-140			
67088	B 8	403640 0732527.01	225	10	- 74	- 95	-151			
67197	D11	404652 0731203.01	763	65	- 58		- 71			
67974	D14	404552 0725617.01	790	30		- 98	-130			

from selected wells and test holes in Suffolk County, New York.

WELL-COMPLETION DATA												
Well Number	Year Completed	Elevation of LSD (ft above or below NGVD)	Use of Water	Use of Well	Screen Setting (ft above or below NGVD)	Total Screen Length (ft)	Diam of Well (in)	Water level (ft below LSD)	Date of Meas. (M-D-Y)	Lift Type	Aquifer Developed	Specific Capacity (GPM/ft)
64847	1979	40	P.S.	WTDR	-488 TO -590	112	20	14	01-08-79		MAGOTHY	39
64927	1978	95	UNSD	TEST							UPGLAC	
64928	1978	65	UNSD	TEST							MAGOTHY	
65196	1978	69	UNSD	TEST							MAGOTHY	
65321	1978	259	UNSD	UNSD	2 TO - 8	10	4				UPGLAC	
65340	1978	70	UNSD	TEST							MAGOTHY	
65505	1979	54	P.S.	WTDR	-521 TO -591	70	20	21			MAGOTHY	70
65766	1978	100	UNSD	UNSD							MAGOTHY	
66132	1978	100	UNSD	OBS	10 TO 0	10	6	73	07-11-79		MAGOTHY	
66133	1979	66	UNSD	OBS	- 66 TO - 76	10	6	47	07-11-79		MAGOTHY	
66134	1979	51	UNSD	OBS	- 83 TO - 93	10	6	34	07-11-79		MAGOTHY	
66135	1979	34	UNSD	OBS	- 93 TO -103	10	6	21	07-11-79		MAGOTHY	
66136	1979	7	UNSD	OBS	-118 TO -128	10	6	4	07-11-79		MAGOTHY	
66137	1979	140	UNSD	OBS	20 TO 10	10	6	71	07-11-79		MAGOTHY	
66138	1979	63	UNSD	OBS	- 56 TO - 66	10	6	41	07-11-79		MAGOTHY	
66139	1979	42	UNSD	OBS	- 76 TO - 86	10	6	34	07-11-79		MAGOTHY	
66140	1979	21	UNSD	OBS	- 62 TO - 72	10	6	16	07-11-79		MAGOTHY	
66141	1979	5	UNSD	OBS	-105 TO -115	10	6	4	07-11-79		MAGOTHY	
66142	1979	140	UNSD	OBS	- 32 TO - 42	10	6	60	07-11-79		MAGOTHY	
66143	1979	70	UNSD	OBS	- 96 TO -106	10	6	47	07-11-79		MAGOTHY	
66144	1979	59	UNSD	OBS	- 67 TO - 77	10	6	41	07-11-79		MAGOTHY	
66145	1979	42	UNSD	OBS	-105 TO -115	10	6	27	07-11-79		MAGOTHY	
66146	1979	12	UNSD	OBS	-101 TO -111	10	6	8	07-11-79		MAGOTHY	
66147	1979	12	UNSD	OBS	-145 TO -155	10	6	11	07-11-79		MAGOTHY	
66148	1979	66	UNSD	OBS	- 69 TO - 79	10	6	42	07-11-79		MAGOTHY	
66149	1979	38	UNSD	OBS	-119 TO -129	10	6	23	07-11-79		MAGOTHY	
66150	1979	26	UNSD	OBS	- 84 TO - 94	10	6	17	07-11-79		MAGOTHY	
66151	1979	7	UNSD	OBS	-117 TO -127	10	6	9	07-11-79		MAGOTHY	
66152	1979	107	UNSD	OBS	- 68 TO - 78	10	6	45	07-11-79		MAGOTHY	
66153	1979	50	UNSD	OBS	- 98 TO -108	10	6	31	07-11-79		MAGOTHY	
66154	1979	31	UNSD	OBS	- 97 TO -107	10	6	21	07-11-79		MAGOTHY	
66155	1979	28	UNSD	OBS	-107 TO -115	10	6	16	07-11-79		MAGOTHY	
66156	1979	18	UNSD	OBS	-134 TO -144	10	6	12	07-11-79		MAGOTHY	
66183	1979	71	UNSD	UNSD							MAGOTHY	
66366	1979	170	P.S.	WTDR	-230 TO -290	60	20	133	04-04-79		UPGLAC	59
66496	1979	127	UNSD	UNSD							MAGOTHY	
66556	1979	50	UNSD	UNSD							MAGOTHY	
66733	1979	45	UNSD	UNSD							MAGOTHY	
66823	1979	160	UNSD	TEST							UPGLAC	
66825	1979	50	UNSD	OBS							MAGOTHY	
66880	1979	5	UNSD	OBS	-201 TO -211	10	2				MAGOTHY	
67074	1979	70	UNSD	OBS							MAGOTHY	
67081	1979	4	UNSD	TEST							UPGLAC	
67082	1979	12	UNSD	OBS	-208 TO -218	10	6				MAGOTHY	
67083	1979	12	UNSD	TEST							UPGLAC	
67084	1979	9	UNSD	OBS	-158 TO -168	10	6				MAGOTHY	
67085	1979	10	UNSD	TEST							UPGLAC	
67086	1979	10	UNSD	TEST							UPGLAC	
67087	1979	10	UNSD	OBS							MAGOTHY	
67088	1979	10	UNSD	TEST							MAGOTHY	
67197	1979	65	UNSD	OBS							MAGOTHY	
67974	1980	30	UNSD	OBS							MAGOTHY	

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