

WATER LEVELS IN NASSAU COUNTY SEWER DISTRICTS 2 AND 3,  
LONG ISLAND, NEW YORK, 1978-79

By Henry F. H. Ku and Dale L. Simmons

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Water-Resources Investigations  
Report 82-4017

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UNITED STATES DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

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## CONVERSION FACTORS AND ABBREVIATIONS

The following factors may be used to convert units used in this report to the International System (SI) of Units.

<u>Multiply Inch-pound unit</u>	<u>By</u>	<u>To obtain SI unit</u>
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
inch (in)	25.4	millimeter (mm)
feet per mile (ft/mi)	0.1894	meter per kilometer (m/km)

# WATER LEVELS IN NASSAU COUNTY SEWER DISTRICTS 2 AND 3, LONG ISLAND, NEW YORK, 1978-79

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## ABSTRACT

*Prior to development on Long Island, about 95 percent of total streamflow originated as ground-water seepage from the upper glacial aquifer, the remaining 5 percent consisted of direct storm runoff. Thus, the streams of Long Island function as ground-water drains. Their flow in dry weather is directly controlled by ground-water levels adjacent to the stream channels.*

*Sewerage systems in Nassau County have caused a general lowering of ground-water levels, which in turn has severely reduced streamflow. This report presents monthly water-level measurements in 259 wells in Nassau County from 1978-79 to provide a data base to evaluate the need to replace streamflow lost through lowering of the water table.*

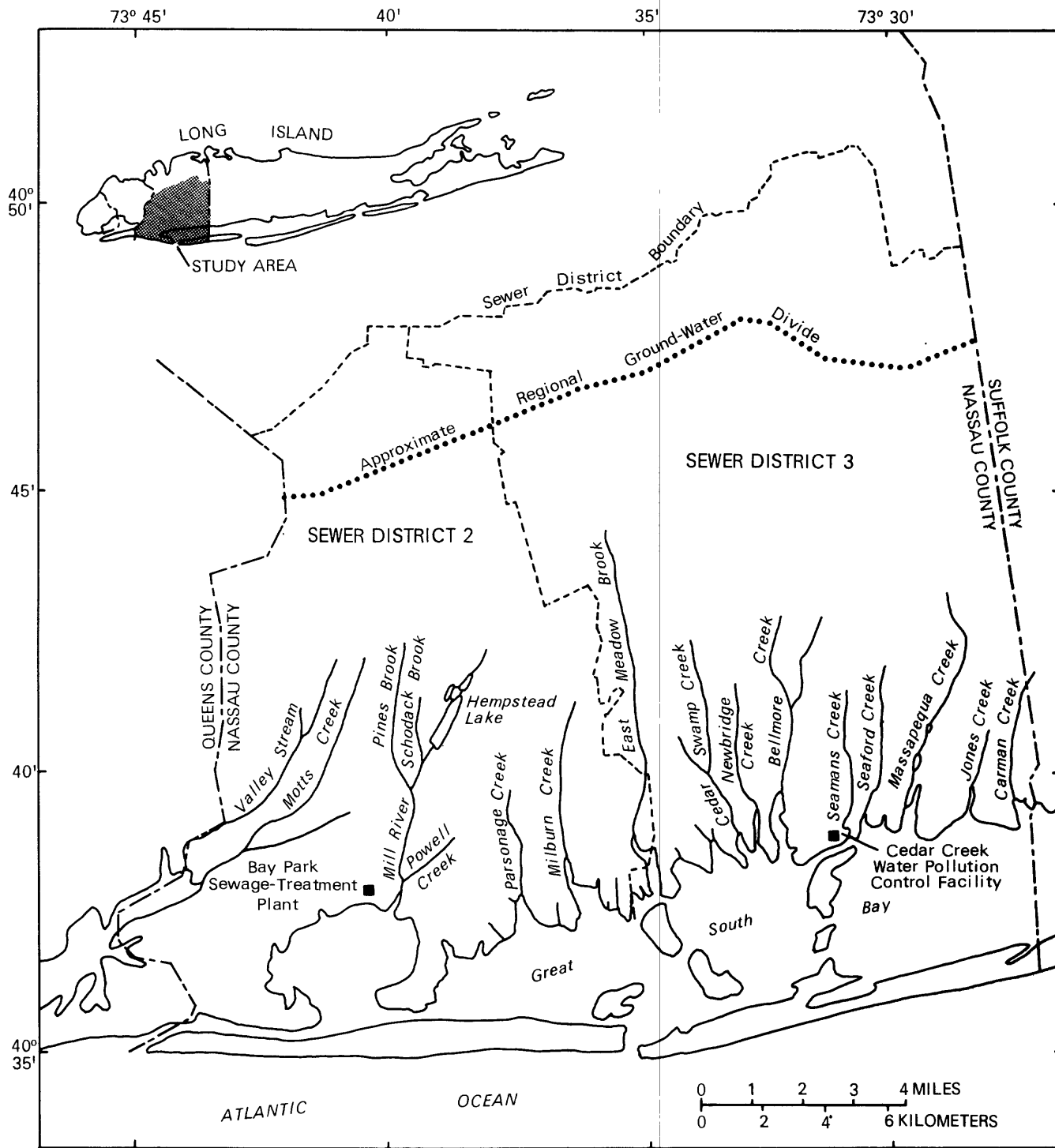
## INTRODUCTION

An extensive sanitary sewer network has been constructed in western Nassau County in an attempt to improve ground-water quality by intercepting wastewater that would otherwise contaminate the ground-water reservoir. This practice has resulted in a loss of recharge to the upper glacial aquifer with a consequent lowering of the water table.

Because the base flow of Long Island's streams during dry weather is directly dependent on ground-water levels in the area adjacent to the streams, increased ground-water withdrawals in Sewer District 2 and the construction of additional sanitary sewers in Sewer District 3 have raised questions as to the anticipated magnitude of reduction in streamflow. The locations of the sewer districts, the streams, and the regional ground-water divide in the study area are shown in figure 1. Several measures have been proposed to mitigate the effects of sewerage on streamflow; their effectiveness will be evaluated by a digital computer model of Long Island's hydrologic system.

## Purpose and Scope

This report presents a list of ground-water levels in 259 wells in Nassau County Sewer Districts 2 and 3 from 1978-79. The data were collected as a part of work done in cooperation with Nassau County Department of Public Works in response to grant condition 3 of the U.S. Environmental Protection Agency project C36-982.08. The purpose of the study was to collect detailed water-level information needed for calibration of the U.S. Geological Survey's



Base from U.S. Geological Survey, 1980  
State base map, 1974

Figure 1.--Location and principal hydrologic features of area studied, Nassau County, N.Y. (Modified from Ku and Simmons, 1981.)

digital computer model of ground-water flow. The model will be used to predict the effects of selected short-term actions proposed to offset the expected decrease in ground-water levels and to investigate other changes that may result from the increased use of the Bay Park Sewage Treatment Plant in Sewer District 2 and construction of new sanitary sewers in Sewer District 3.

## **Previous Studies**

A report by Ku and Simmons (1981) presents data on the base flow of streams in the area studied. The base-flow data in that report were collected simultaneously with the water-level information presented herein.

Related studies concerning analog-model analysis of the effects of sewerage on ground-water levels are described by Kimmel and Harbaugh (1976) and Ku and Sulam (1979). Garber and Sulam (1976), Pluhowski and Spinello (1978), and Sulam (1979) also discussed the relationship between declining water levels and sewerage. Reynolds (1982) and Simmons and Reynolds (1982) discussed the effects of the lowered water table on stream base flow. A recent map of the water table on Long Island is included in Donaldson and Koszalka (1982).

## **HYDROGEOLOGY**

The geology and hydrology of Long Island have been summarized in many reports. Cohen and others (1968) gave a general overview of the hydrology of Long Island, and Perlmutter and Geraghty (1963) presented a detailed analysis of the geology and ground-water conditions in southern Nassau County.

### **Surficial Geology**

Surficial deposits on Long Island are the result of two separate advances of the Wisconsin glacier. Two terminal moraines form east-west-trending lines of hills that reach a maximum altitude of about 400 feet. These moraines, which consist of poorly sorted debris including boulders, gravel, sand, silt, and clay, merge in the western part of the island. A gently sloping outwash plain composed of well-sorted glaciofluvial sand and gravel extends southward from the line of moraines to the south shore with a slope of about 20 feet per mile (Cohen and others, 1968).

The high permeability of the glacial outwash sand and gravel, in addition to the flat terrain, cause most precipitation to infiltrate into the ground almost immediately. Under natural (predevelopment) conditions, about 95 percent of total streamflow originates as ground-water seepage from the upper glacial aquifer (Franke and McClymonds, 1972); the remaining 5 percent consists of direct runoff. Thus, the streams of Long Island function as ground-water drains. In dry weather their flow is directly controlled by ground-water levels adjacent to the stream channels (Pluhowski and Kantrowitz, 1964).

## Precipitation

Mean annual precipitation on Long Island ranges from slightly less than 41 inches on the south shore to slightly more than 50 inches in the island's central region (Miller and Frederick, 1969); the long-term mean is 44 inches (Cohen and others, 1968). Average warm-season and cool-season precipitation totals are almost equal.

## Ground Water and Streamflow

The ground-water system of Long Island consists of four major aquifers (table 1). The lower three are confined (artesian); the water-table (upper glacial) aquifer is hydraulically connected to the streams and lakes of the island. The water-table aquifer is the source of base flow for all the island's streams but is no longer extensively used for public water supply in Nassau County because it is contaminated from sources such as septic-tank and cesspool discharges and fertilizers.

*Table 1.--Generalized description of hydrogeologic units underlying study area.<sup>1</sup>*

Hydrogeologic Unit	Lithology and water-bearing character
Upper glacial aquifer	Mainly sand and gravel of moderate to high permeability; also includes clayey till of low permeability.
Gardiners clay	Clay, silty clay, and a little fine sand of low to very low permeability.
Jameco aquifer	Mainly medium to coarse sand of moderate to high permeability.
Magothy aquifer	Coarse to fine sand of moderate permeability; locally contains gravel of high permeability and abundant silt and clay of low to very low permeability.
Raritan confining unit	Clay of very low permeability; some silt and fine sand of low permeability.
Lloyd aquifer	Sand and gravel of moderate permeability; some clayey material of low permeability.

<sup>1</sup>Modified from Cohen and others (1968).



In general, water levels on most of Long Island rose during the early 1970's as a result of above-average precipitation in 1972-73 (Koszalka, 1975). During the same period, however, water levels in eastern Queens and southwestern Nassau County declined 3 to 4 feet. Koszalka (1975, p. 4) attributes this decline to the increase in local ground-water development and to sanitary sewerage in southwestern Nassau County. The water-table configuration has changed little since 1975 except for rises of 5 feet in central Nassau County and 9 feet in central Suffolk County (Donaldson and Koszalka, 1982).

## **WATER-LEVEL DATA**

### **Measurements**

Water-level measurements were made monthly from April 1978 to May 1979 in 259 wells in Nassau County Sewer Districts 2 and 3. Well locations are shown on plate 1. Each month the wells were measured during a 2- to 3-day period after several days without precipitation to coincide with the concurrent base-flow measurements made in nearby streams (Ku and Simmons, 1981).

### **Identification and Location of Wells**

All wells measured during this study are in Nassau County. Hence, all well numbers in table 2 and plate 1 are preceded by the letter "N." Well numbers are those assigned by the New York State Department of Environmental Conservation.

### **Presentation of Data**

Table 2 (at end of report) presents the water-level data collected during this study (April 1978 - May 1979). Wells are listed in numerical order, followed by latitude and longitude. Measurement dates and water levels, in feet above sea level, are given for each well. (Sea level refers to National Geodetic Vertical Datum of 1929.)

All original data are available for inspection at the U.S. Geological Survey office, 5 Aerial Way, Syosset, N.Y. 11791.

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WELL NO	LATITUDE		LONGITUDE		WATER LEVEL		DATE		WATER LEVEL		DATE		WATER LEVEL	
N 1128	40	42	3	73	39	50	MAY 31 78	33.77	JUN 1 78	32.81	JUN 28 78	32.58	JUL 27 78	32.24
N 1129	40	41	23	73	39	48	MAY 24 78	28.04	MAY 31 78	27.27	JUN 1 78	27.32	JUN 22 78	26.81
N 1130	40	40	41	73	39	53	MAY 31 78	18.31	JUN 1 78	18.41	JUN 28 78	11.78	JUL 27 78	17.06
N 1131	40	40	2	73	39	39	JUN 1 78	10.65	JUN 29 78	9.81	JUL 27 78	9.39	AUG 24 78	9.27
N 1132	40	39	22	73	39	34	MAY 22 78	6.73	JUN 1 78	6.60	JUN 28 78	5.69	JUL 27 78	5.22
N 1133	40	38	36	73	39	34	MAY 23 78	3.27	JUN 1 78	3.27	JUN 28 78	2.66	JUL 27 78	2.48
N 1139	40	44	41	73	38	10	MAY 30 78	59.68	JUN 5 78	59.78	JUN 27 78	59.60	JUL 26 78	59.07
N 1140	40	43	41	73	38	4	MAY 30 78	54.34	JUN 5 78	55.01	JUN 27 78	54.65	JUL 26 78	54.31
N 1141	40	43	4	73	37	52	MAY 30 78	48.33	JUN 5 78	48.52	JUN 27 78	48.16	JUL 26 78	47.71
N 1142	40	42	29	73	37	46	MAY 30 78	42.98	JUN 5 78	43.14	JUN 27 78	42.67	JUL 26 78	42.61

Table 2.--Water levels in wells in Nassau County Sewer Districts 2 and 3, 1978-79.

(continued)

WELL NO.	LATITUDE DEG MIN SEC	LONGITUDE DEG MIN SEC	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
N 1143	40 41 54	73 37 40	MAY 30 78	33.39	JUN 5 78	33.44	JUN 27 78	32.89
			AUG 23 78	32.00	SEP 18 78	32.82	SEP 25 78	31.94
			NOV 20 78	31.54	DEC 7 78	31.86	DEC 27 78	31.98
			MAR 20 79	34.21	APR 18 79	34.20	MAY 23 79	34.01
N 1144	40 41 3	73 37 33	MAY 30 78	28.31	JUN 5 78	28.43	JUN 27 78	27.84
			AUG 23 78	26.32	SEP 18 78	28.09	SEP 25 78	25.83
			NOV 20 78	25.36	DEC 7 78	25.51	DEC 27 78	25.67
			MAR 20 79	29.89	APR 18 79	29.44	MAY 23 79	29.11
N 1145	40 40 32	73 37 34	MAY 30 78	23.82	JUN 5 78	23.91	JUN 27 78	23.16
			AUG 23 78	21.72	SEP 18 78	23.14	SEP 25 78	21.27
			NOV 20 78	20.73	DEC 7 78	21.74	DEC 27 78	21.04
			MAR 20 79	24.87	APR 18 79	24.47	MAY 23 79	24.02
N 1146	40 40 16	73 37 19	MAY 30 78	21.43	JUN 5 78	21.54	JUN 27 78	20.80
			AUG 23 78	19.38	SEP 18 78	20.41	SEP 25 78	18.76
			NOV 20 78	18.23	DEC 7 78	18.40	DEC 27 78	18.49
			MAR 20 79	22.22	APR 18 79	21.79	MAY 23 79	21.59
N 1147	40 37 43	73 37 13	MAY 30 78	16.42	JUN 5 78	16.37	JUN 27 78	15.68
			AUG 23 78	14.54	SEP 18 78	16.27	SEP 25 78	14.05
			NOV 20 78	13.67	DEC 7 78	13.60	DEC 27 78	14.23
			MAR 20 79	17.05	APR 18 79	16.50	MAY 23 79	16.12
N 1148	40 38 56	73 37 9	MAY 29 78	7.49	MAY 30 78	7.60	JUN 27 78	6.85
			AUG 23 78	6.39	SEP 8 78	6.39	SEP 25 78	6.37
			NOV 20 78	6.21	DEC 4 78	6.32	DEC 27 78	6.87
			MAR 20 79	8.04	APR 18 79	7.37	MAY 23 79	7.07
N 1159	40 44 41	73 36 24	MAY 30 78	71.36	JUN 6 78	71.61	JUN 27 78	71.77
			AUG 23 78	70.41	SEP 15 78	71.01	SEP 25 78	69.68
			NOV 20 78	69.03	DEC 6 78	69.01	DEC 27 78	68.96
			MAR 20 79	71.36	APR 18 79	71.86	MAY 23 79	71.98
N 1160	40 43 58	73 36 19	JUN 1 78	62.76	JUN 5 78	62.90	JUN 28 78	62.09
			AUG 23 78	61.29	SEP 15 78	61.08	SEP 26 78	60.26
			NOV 20 78	59.53	DEC 29 78	60.12	MAR 5 79	62.29
			APR 19 79	62.73				
N 1164	40 41 11	73 35 33	MAY 31 78	30.88	JUN 5 78	30.84	JUN 28 78	30.09
			AUG 23 78	28.90	SEP 15 78	28.56	SEP 25 78	28.53
			NOV 20 78	28.01	DEC 6 78	27.94	DEC 28 78	28.48
			MAR 20 79	32.28	APR 19 79	31.48	MAY 24 79	31.20
N 1165	40 40 35	73 35 26	MAY 31 78	22.86	JUN 5 78	22.88	JUN 28 78	21.95
			AUG 23 78	20.56	SEP 15 78	20.47	SEP 25 78	20.35
			NOV 20 78	19.98	DEC 6 78	20.19	DEC 28 78	20.68
			MAR 20 79	24.32	APR 19 79	23.46	MAY 24 79	23.02
							JUL 26 78	20.97
							OCT 23 78	20.23
							MAR 7 79	23.84

WELL NO.	LATITUDE		LONGITUDE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
	DEG	MIN SEC	DEG	MIN	SEC		DEG	MIN		DEG	MIN
N 1166	40	40 1	73	35	25	MAY 31 78	16.72	JUN 5 78	16.76	JUN 28 78	15.84
						AUG 23 78	14.49	SEP 15 78	14.31	SEP 25 78	14.17
						NOV 20 78	13.89	DEC 6 78	14.86	DEC 28 78	15.80
						MAR 20 79	18.59	APR 19 79	17.81	MAY 24 79	17.31
N 1167	40	39 26	73	35	14	MAY 31 78	9.79	JUN 5 78	9.49	JUN 27 78	8.97
						AUG 23 78	8.65	SEP 15 78	8.41	SEP 25 78	8.38
						NOV 20 78	8.20	DEC 6 78	8.49	DEC 28 78	8.92
						MAR 20 79	10.72	APR 19 79	10.04	MAY 24 79	9.51
N 1168	40	38 48	73	35	7	MAY 31 78	5.18	JUN 27 78	4.38	JUL 26 78	4.14
						SEP 7 78	4.15	SEP 25 78	4.16	OCT 23 78	4.07
						DEC 1 78	4.14	DEC 28 78	4.71	FEB 28 79	5.65
						APR 19 79	4.93	MAY 24 79	4.75		
N 1169	40	38 6	73	35	1	MAY 31 78	0.56	JUN 27 78	3.02	JUL 26 78	3.26
						SEP 7 78	2.95	SEP 25 78	2.46	OCT 23 78	3.04
						DEC 1 78	3.24	DEC 28 78	0.76	FEB 28 79	1.91
						APR 19 79	0.90	MAY 24 79	2.78		
N 1178	40	45 39	73	34	58	MAY 30 78	80.71	JUN 1 78	81.22	JUN 27 78	81.19
						AUG 23 78	79.39	SEP 18 78	80.05	SEP 25 78	79.07
						NOV 20 78	78.31	DEC 4 78	79.28	DEC 27 78	78.94
						MAR 20 79	81.50	APR 18 79	82.01	MAY 23 79	82.18
N 1180	40	44 11	73	34	37	JUN 1 78	65.77	JUN 28 78	65.73	JUL 26 78	65.83
						SEP 26 78	65.43	OCT 24 78	64.43	NOV 21 78	64.44
						DEC 27 78	64.93	MAR 5 79	66.79	APR 19 79	68.14
N 1183	40	41 36	73	34	7	MAY 31 78	35.62	JUN 1 78	35.72	JUN 28 78	34.74
						AUG 23 78	31.63	SEP 18 78	33.71	SEP 25 78	33.57
						DEC 4 78	33.96	DEC 28 78	34.37	MAR 1 79	36.65
						APR 19 79	36.41	MAY 24 79	36.26		
N 1184	40	40 37	73	33	53	MAY 31 78	21.37	JUN 1 78	21.45	JUN 28 78	20.15
						AUG 24 78	19.20	SEP 18 78	19.12	SEP 26 78	19.10
						NOV 21 78	19.00	DEC 4 78	19.28	DEC 28 78	20.17
						MAR 20 79	22.45	APR 19 79	21.43	MAY 24 79	21.38
N 1186	40	39 13	73	33	28	MAY 31 78	6.06	JUN 28 78	5.02	JUL 27 78	4.83
						SEP 7 78	4.83	SEP 26 78	4.78	OCT 24 78	4.67
						DEC 1 78	4.74	DEC 28 78	5.78	FEB 28 79	6.69
						APR 19 79	5.67	MAY 24 79	6.12		
N 1194	40	47 2	73	33	11	JUN 6 78	89.58	JUL 28 78	89.11	AUG 23 78	88.56
						SEP 26 78	88.15	OCT 25 78	89.26	NOV 21 78	88.99
						DEC 29 78	88.98	MAR 8 79	90.90	MAR 22 79	90.68
N 1195	40	46 9	73	33	3	MAY 31 78	87.20	JUN 6 78	87.44	JUN 28 78	86.68
						AUG 24 78	86.13	SEP 11 78	86.43	SEP 26 78	85.95
						NOV 21 78	85.56	DEC 5 78	85.94	DEC 29 78	85.78
						MAR 21 79	88.41	APR 19 79	88.93	MAY 24 79	89.14

Table 2.--Water levels in wells in Nassau County Sewer Districts 2 and 3, 1978-79.

(continued)

WELL NO.	LATITUDE DEG MIN SEC	LONGITUDE DEG MIN SEC	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
N 1196	40 45 25	73 32 51	MAY 31 78 AUG 24 78 NOV 21 78 MAR 21 79	82.98 82.28 80.68 82.54	JUN 6 78 SEP 11 78 DEC 5 78 APR 19 79	83.20 82.01 80.60 83.59	JUN 28 78 SEP 26 78 DEC 29 78 MAY 24 79	83.05 81.61 80.30 84.00
N 1197	40 44 52	73 32 39	MAY 31 78 AUG 24 78 NOV 21 78 MAR 21 79	78.14 76.33 74.46 79.20	JUN 6 78 SEP 11 78 DEC 5 78 APR 19 79	78.80 75.62 74.98 79.29	JUN 28 78 SEP 26 78 DEC 29 78	77.64 75.60 75.15
N 1201	40 42 2	73 31 51	MAY 31 78 SEP 26 78 DEC 28 78 MAY 24 79	41.26 39.67 40.38 41.69	JUN 28 78 OCT 24 78 MAR 7 79	40.47 39.52 42.70	AUG 24 78 NOV 21 78 MAR 21 79	40.05 39.35 42.17
N 1202	40 41 29	73 31 40	MAY 31 78 AUG 24 78 NOV 21 78 APR 19 79	27.75 25.85 25.43 27.85	JUN 7 78 SEP 8 78 DEC 5 78 MAY 24 79	32.00 30.29 30.29 27.75	JUN 28 78 SEP 26 78 DEC 28 78	26.73 25.63 26.67
N 1203	40 40 56	73 31 35	MAY 31 78 AUG 24 78 NOV 21 78 MAR 21 79	23.66 22.14 21.72 24.43	JUN 7 78 SEP 8 78 DEC 5 78 APR 19 79	23.59 22.04 21.95 23.72	JUN 28 78 SEP 26 78 DEC 28 78 MAY 24 79	22.83 21.93 22.76 23.48
N 1204	40 40 15	73 31 27	MAY 31 78 AUG 24 78 NOV 21 78 MAR 22 79	10.65 9.95 9.75 11.13	JUN 7 78 SEP 8 78 DEC 5 78 APR 20 79	10.60 10.00 10.07 10.70	JUN 28 78 SEP 26 78 DEC 28 78 MAY 24 79	10.16 9.96 10.56 10.80
N 1205	40 39 34	73 31 19	MAY 23 78 AUG 24 78 NOV 21 78 MAR 22 79	2.01 1.99 1.69 1.70	MAY 31 78 SEP 7 78 DEC 1 78 APR 20 79	1.82 1.77 1.89 1.58	JUN 28 78 SEP 26 78 DEC 28 78	1.47 1.81 1.04
N 1214	40 46 1	73 30 35	MAY 31 78 AUG 23 78 NOV 20 78 MAR 21 79	87.01 86.29 84.84 88.08	JUN 7 78 SEP 15 78 DEC 6 78 APR 19 79	86.59 85.55 85.32 88.56	JUN 27 78 SEP 26 78 DEC 27 78 MAY 24 79	85.81 85.33 86.33 89.96
N 1217	40 43 32	73 29 53	MAY 30 78 AUG 23 78 NOV 21 78 MAR 21 79	61.81 60.44 58.70 62.78	JUN 7 78 SEP 15 78 DEC 6 78 APR 19 79	61.85 59.99 58.69 62.57	JUN 27 78 SEP 26 78 DEC 28 78 MAY 24 79	61.34 59.63 58.86 62.30
N 1219	40 42 18	73 29 34	JUN 1 78 AUG 24 78 NOV 21 78 MAR 21 79	43.02 39.86 39.80 42.41	JUN 7 78 SEP 15 78 DEC 6 78 APR 19 79	43.24 40.50 39.94 43.54	JUN 27 78 SEP 25 78 DEC 28 78 MAY 24 79	41.26 40.75 51.52 43.34



WELL NO.	LATITUDE		LONGITUDE		WATER LEVEL		DATE		WATER LEVEL		DATE		WATER LEVEL	
	DEG	MIN SEC	DEG	MIN SEC	DEG	MIN SEC	DATE	DATE	DEG	MIN SEC	DATE	DATE	DEG	MIN SEC
N 1220	40	41 27	73	29 8	JUN 1 78	30.30	JUN 17 78	30.17	JUN 28 78	29.26	JUL 27 78	28.32	JUL 27 78	28.32
					AUG 24 78	28.31	SEP 15 78	28.22	SEP 25 78	28.30	OCT 24 78	28.10	OCT 24 78	28.10
					NOV 21 78	27.90	DEC 6 78	30.06	DEC 28 78	28.87	MAR 12 79	31.69	MAR 12 79	31.69
					MAR 21 79	31.02	APR 19 79	30.27						
N 1221	40	40 53	73	29 8	JUN 1 78	20.67	JUN 7 78	20.57	JUN 28 78	19.96	JUL 27 78	19.49	JUL 27 78	19.49
					AUG 24 78	19.58	SEP 15 78	19.50	SEP 25 78	19.54	OCT 24 78	19.45	OCT 24 78	19.45
					NOV 21 78	19.29	DEC 6 78	19.52	DEC 28 78	20.04	MAR 12 79	22.08	MAR 12 79	22.08
					MAR 21 79	21.28	APR 19 79	20.59	MAY 24 79	20.54				
N 1222	40	40 25	73	29 3	MAY 23 78	10.17	JUN 1 78	9.96	JUN 28 78	9.54	JUL 27 78	9.25	JUL 27 78	9.25
					AUG 24 78	9.27	SEP 7 78	9.41	SEP 25 78	9.23	OCT 24 78	9.24	OCT 24 78	9.24
					NOV 21 78	9.12	DEC 1 78	9.43	DEC 28 78	10.14	FEB 28 79	10.94	FEB 28 79	10.94
					MAR 21 79	10.31	APR 19 79	9.84	MAY 24 79	10.05				
N 1223	40	39 45	73	28 48	JUN 1 78	2.99	JUN 30 78	2.33	JUL 27 78	2.58	AUG 24 78	2.72	AUG 24 78	2.72
					SEP 7 78	2.72	SEP 25 78	2.74	OCT 24 78	2.29	NOV 21 78	2.27	NOV 21 78	2.27
					DEC 1 78	2.77	DEC 28 78	2.49	FEB 28 79	4.37	MAR 21 79	2.73	MAR 21 79	2.73
					APR 19 79	2.73	MAY 24 79	3.46						
N 1231	40	46 28	73	28 40	MAY 30 78	86.18	JUN 7 78	86.56	JUN 27 78	85.89	JUL 28 78	85.27	JUL 28 78	85.27
					AUG 23 78	85.27	SEP 15 78	85.40	SEP 26 78	85.97	OCT 23 78	90.35	OCT 23 78	90.35
					NOV 20 78	85.18	DEC 5 78	85.22	DEC 27 78	86.25	MAR 8 79	86.42	MAR 8 79	86.42
					MAR 21 79	86.58	APR 19 79	87.75	MAY 24 79	88.16				
N 1232	40	45 42	73	28 28	MAY 30 78	85.86	JUN 7 78	84.15	JUN 27 78	82.77	JUL 28 78	81.98	JUL 28 78	81.98
					AUG 23 78	82.87	SEP 15 78	81.54	SEP 26 78	81.24	OCT 23 78	81.36	OCT 23 78	81.36
					NOV 20 78	80.48	DEC 5 78	80.50	DEC 27 78	81.06	MAR 8 79	84.47	MAR 8 79	84.47
					MAR 21 79	84.06	APR 19 79	83.63	MAY 24 79	83.80				
N 1234	40	44 18	73	28 14	MAY 30 78	66.95	JUN 7 78	66.79	JUN 27 78	66.12	JUL 26 78	66.15	JUL 26 78	66.15
					AUG 23 78	64.81	SEP 15 78	64.84	SEP 26 78	64.29	OCT 23 78	64.27	OCT 23 78	64.27
					NOV 20 78	63.75	DEC 5 78	64.00	DEC 27 78	63.82	MAR 8 79	66.85	MAR 8 79	66.85
					MAR 21 79	67.39	APR 19 79	67.51	MAY 23 79	66.93				
N 1235	40	43 38	73	28 <sup>5</sup> 4	MAY 30 78	56.14	JUN 7 78	56.09	JUN 27 78	55.52	JUL 26 78	54.87	JUL 26 78	54.87
					AUG 24 78	54.66	SEP 15 78	54.48	SEP 26 78	54.30	OCT 23 78	54.11	OCT 23 78	54.11
					NOV 20 78	53.82	DEC 5 78	53.93	DEC 27 78	54.28	MAR 7 79	58.58	MAR 7 79	58.58
					MAR 20 79	56.72	APR 19 79	56.28	MAY 23 79	55.87				
N 1236	40	43 1	73	27 51	JUN 2 78	46.87	JUN 7 78	46.78	JUN 28 78	45.98	JUL 26 78	45.35	JUL 26 78	45.35
					AUG 23 78	45.30	SEP 15 78	45.27	SEP 26 78	45.39	OCT 23 78	45.05	OCT 23 78	45.05
					NOV 20 78	44.76	DEC 5 78	44.73	DEC 27 78	45.41	MAR 7 79	47.97	MAR 7 79	47.97
					MAR 20 79	48.28	APR 19 79	47.44	MAY 23 79	47.33				
N 1237	40	42 22	73	27 41	JUN 2 78	38.62	JUN 7 78	38.64	JUN 27 78	37.86	JUL 26 78	37.19	JUL 26 78	37.19
					AUG 23 78	37.14	SEP 15 78	36.86	SEP 26 78	36.71	OCT 23 78	36.51	OCT 23 78	36.51
					NOV 20 78	36.57	NOV 28 78	36.40	DEC 5 78	36.40	DEC 27 78	36.96	DEC 27 78	36.96
					MAR 7 79	37.99	MAR 20 79	39.87	APR 19 79	39.00	MAY 23 79	38.61	MAY 23 79	38.61

Table 2.--Water Levels in wells in Nassau County Sewer Districts 2 and 3, 1978-79.

(continued)

WELL NO.	LATITUDE DEG MIN SEC	LONGITUDE DEG MIN SEC	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
N 1239	40 41 11	73 27 15	JUN 2 78	18.31	JUN 8 78	18.32	JUN 29 78	17.79
			AUG 23 78	17.31	SEP 15 78	17.32	SEP 26 78	17.24
			NOV 20 78	17.01	DEC 5 78	17.30	DEC 27 78	17.66
			MAR 20 79	18.71	APR 19 79	18.02	MAY 22 79	18.15
N 1240	40 40 38	73 27 4	MAY 23 78	11.90	JUN 2 78	11.61	JUN 29 78	10.87
			AUG 23 78	10.67	SEP 7 78	10.74	SEP 26 78	10.63
			NOV 20 78	10.47	DEC 1 78	10.98	DEC 27 78	11.19
			MAR 20 79	12.26	APR 19 79	1.46	MAY 22 79	11.63
N 1245	40 48 20	73 26 59	JUN 1 78	78.59	JUN 8 78	80.95	JUN 27 78	81.04
			AUG 23 78	81.73	SEP 25 78	82.34	OCT 23 78	82.33
			DEC 8 78	82.96	DEC 27 78	82.66	MAR 9 79	82.88
			APR 17 79	83.76				
N 1246	40 47 3	73 26 42	JUN 8 78	82.55	JUN 20 78	82.31	JUN 27 78	82.33
			AUG 23 78	82.63	SEP 18 78	82.68	SEP 25 78	82.87
			OCT 23 78	82.93	NOV 20 78	82.44	DEC 8 78	83.83
			DEC 27 78	82.60	FEB 1 79	82.96	MAR 9 79	83.07
N 1248	40 44 31	73 26 14	MAR 20 79	83.40	APR 23 79	83.83	MAY 1 79	84.00
			JUN 2 78	63.95	JUN 8 78	63.89	JUN 29 78	62.72
			AUG 23 78	61.88	SEP 18 78	61.69	SEP 25 78	61.53
			NOV 20 78	60.68	DEC 8 78	60.77	DEC 27 78	60.03
N 1249	40 43 47	73 26 7	MAR 20 79	64.65	APR 17 79	63.73	MAY 22 79	63.85
			JUN 2 78	53.70	JUN 8 78	53.67	JUN 29 78	53.64
			AUG 23 78	54.30	SEP 18 78	53.92*	SEP 25 78	53.41
			NOV 20 78	52.68	DEC 8 78	52.75	DEC 27 78	53.97
N 1250	40 43 10	73 26 1	MAR 20 79	57.26	APR 17 79	55.79	MAY 22 79	53.81
			JUN 2 78	48.12	JUN 8 78	48.13	JUN 29 78	47.11
			AUG 24 78	46.70	SEP 18 78	46.23	SEP 25 78	45.94
			NOV 20 78	44.22	DEC 8 78	44.62	DEC 27 78	45.42
N 1251	40 42 31	73 25 52	MAR 20 79	48.76	APR 17 79	48.23	MAY 22 79	44.89
			JUN 2 78	39.66	JUN 8 78	39.60	JUN 29 78	38.68
			AUG 24 78	37.54	SEP 18 78	36.51	SEP 25 78	35.78
			NOV 22 78	33.02	DEC 8 78	33.44	DEC 27 78	35.04
N 1252	40 41 33	73 25 38	MAR 20 79	40.40	APR 17 79	39.85	MAY 22 79	39.77
			JUN 2 78	23.10	AUG 24 78	24.13	SEP 18 78	23.69
			OCT 23 78	22.82	NOV 20 78	23.12	DEC 8 78	23.05
			MAR 9 79	27.39	MAR 20 79	27.14	APR 17 79	26.36
N 1253	40 40 59	73 25 40	JUN 8 78	15.82	JUN 29 78	15.11	JUL 26 78	15.04
			SEP 18 78	15.34	SEP 25 78	15.16	OCT 26 78	15.12
			DEC 8 78	15.36	DEC 27 78	14.95	MAR 9 79	15.00
			APR 17 79	16.62	MAY 22 79	16.27		

WELL NO.	LATITUDE DEG MIN SEC	LONGITUDE DEG MIN SEC	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
N 1254	40 40 16	73 25 26	MAY 25 78	3.88	JUN 1 78	4.32	JUN 29 78	3.94	JUL 27 78	3.93
			AUG 24 78	4.16	SEP 7 78	3.83	SEP 25 78	3.85	OCT 23 78	3.66
			NOV 20 78	3.66	DEC 1 78	4.10	DEC 27 78	3.94	FEB 28 79	5.31
			MAR 20 79	4.54	APR 18 79	4.32	MAY 22 79	4.37		
N 1255	40 43 39	73 37 14	MAY 24 78	55.69	MAY 30 78	55.86	JUN 8 78	56.09	JUN 22 78	55.73
			JUN 27 78	55.57	JUL 24 78	55.09	JUL 26 78	54.98	AUG 23 78	54.69
			AUG 23 78	54.55	SEP 18 78	54.16	SEP 25 78	54.17	SEP 26 78	54.17
			OCT 23 78	53.81	OCT 24 78	53.78	NOV 20 78	53.05	NOV 24 78	52.99
			DEC 6 78	52.79	DEC 18 78	52.82	DEC 27 78	53.70	JAN 29 79	54.62
			FEB 27 79	54.09	MAR 9 79	55.72	MAR 19 79	56.51	MAR 20 79	56.50
			APR 18 79	56.32	APR 24 79	56.19	MAY 21 79	56.53	MAY 23 79	56.57
N 1257	40 38 47	73 40 9	MAY 22 78	6.97	JUN 1 78	6.75	JUN 28 78	6.48	JUL 27 78	6.18
			AUG 24 78	5.30	SEP 8 78	4.80	SEP 27 78	4.90	OCT 24 78	5.07
			NOV 21 78	4.60	DEC 1 78	4.81	DEC 28 78	5.58	MAR 1 79	7.64
			MAR 21 79	7.82	APR 19 79	6.83				
N 1259	40 43 16	73 29 10	MAY 24 78	55.58	MAY 31 78	55.70	JUN 7 78	56.11	JUN 22 78	55.10
			JUN 27 78	54.90	JUL 24 78	54.13	JUL 28 78	53.96	AUG 23 78	54.71
			AUG 28 78	53.56	SEP 15 78	53.29	SEP 25 78	53.01	SEP 26 78	52.99
			OCT 24 78	52.68	NOV 21 78	52.18	NOV 24 78	52.21	DEC 6 78	52.22
			DEC 18 78	52.45	DEC 27 78	52.58	JAN 29 79	55.08	FEB 27 79	56.50
			MAR 12 79	56.59	MAR 19 79	56.94	MAR 21 79	56.93	APR 19 79	56.34
			APR 24 79	56.20	MAY 21 79	55.95	MAY 24 79	56.05		
N 1263	40 43 2	73 29 58	MAY 24 78	53.86	MAY 30 78	54.03	JUN 7 78	54.19	JUN 22 78	53.58
			JUN 27 78	53.35	JUL 24 78	52.52	JUL 27 78	52.38	AUG 23 78	52.27
			AUG 28 78	52.02	SEP 15 78	51.84	SEP 25 78	51.55	SEP 26 78	51.56
			OCT 24 78	51.23	OCT 26 78	51.20	NOV 21 78	50.84	NOV 24 78	50.97
			DEC 6 78	51.00	DEC 18 78	51.26	DEC 27 78	50.72	JAN 29 79	54.17
			FEB 27 79	55.87	MAR 12 79	55.96	MAR 19 79	55.59	MAR 21 79	55.50
			APR 19 79	54.74	APR 24 79	54.73	MAY 21 79	54.71	MAY 24 79	55.09
N 1269	40 39 29	73 34 31	MAY 31 78	7.81	JUN 28 78	6.89	JUL 27 78	6.41	AUG 24 78	6.43
			SEP 26 78	6.30	OCT 24 78	6.24	NOV 21 78	6.11	DEC 28 78	7.56
			MAR 20 79	9.06	APR 19 79	7.63	MAY 24 79	7.81		
N 1271	40 38 59	73 33 15	MAY 31 78	4.06	JUN 27 78	3.50	JUL 27 78	3.44	AUG 24 78	3.58
			SEP 26 78	3.49	OCT 24 78	3.37	NOV 21 78	3.23	DEC 28 78	4.01
			MAR 20 79	4.13	APR 19 79	3.83	MAY 24 79	4.48		
N 1272	40 38 59	73 33 15	MAY 31 78	3.88	JUN 27 78	3.27	JUL 27 78	3.21	AUG 24 78	3.35
			SEP 7 78	3.39	SEP 26 78	3.26	OCT 24 78	3.13	NOV 21 78	3.01
			DEC 1 78	3.50	DEC 28 78	3.85	FEB 28 79	4.52	MAR 20 79	3.93
			APR 19 79	3.66	MAY 24 79	4.31				
N 1273	40 40 1	73 30 35	JUN 1 78	6.07	JUN 28 78	5.44	JUL 27 78	5.49	AUG 24 78	5.49
			SEP 26 78	5.42	OCT 25 78	5.05	NOV 21 78	5.02	DEC 28 78	6.33
			MAR 22 79	7.69	APR 20 79	6.79	MAY 24 79	6.89		



WELL NO.	LATITUDE DEG MIN SEC	LONGITUDE DEG MIN SEC	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
N 1434	40 41 44	73 38 36	JUN 1 78 AUG 24 78 NOV 22 78 MAR 22 79	29.27 27.06 26.91 30.63	JUN 8 78 SEP 18 78 DEC 6 78 APR 20 79	29.33 27.34 25.96 30.06	JUN 29 78 SEP 27 78 DEC 28 78	28.56 27.15 27.46	JUL 27 78 OCT 25 78 MAR 9 79	27.40 27.31 29.83
N 1435	40 41 8	73 38 54	JUN 1 78 SEP 27 78 MAR 22 79	25.93 23.14 27.08	JUN 29 78 OCT 25 78 APR 20 79	25.13 23.17 26.51	JUL 27 78 NOV 22 78	24.18 22.77	AUG 24 78 DEC 28 78	23.59 23.35
N 1436	40 40 30	73 39 11	JUN 1 78 SEP 27 78 MAR 22 79	18.02 16.75 18.59	JUN 29 78 OCT 25 78 APR 20 79	17.50 16.81 18.16	JUL 27 78 NOV 22 78	17.07 16.73	AUG 24 78 DEC 28 78	16.88 17.18
N 1437	40 41 0	73 38 10	JUN 1 78 AUG 24 78 NOV 21 78 MAR 22 79	25.44 23.05 22.33 27.00	JUN 8 78 SEP 18 78 DEC 6 78 APR 20 79	25.42 22.65 22.41 26.35	JUN 29 78 SEP 28 78 DEC 28 78	24.53 23.66 22.76	JUL 27 78 OCT 24 78 MAR 9 79	23.63 22.61 26.68
N 1438	40 40 9	73 38 4	JUN 1 78 SEP 27 78 MAR 22 79	19.80 17.07 20.55	JUN 29 78 OCT 24 78 APR 20 79	18.93 17.01 20.07	JUL 27 78 NOV 21 78	18.16 16.58	AUG 24 78 DEC 28 78	17.64 16.94
N 1439	40 39 25	73 38 17	JUN 1 78 SEP 27 78 MAR 22 79	14.06 12.03 14.49	JUN 28 78 OCT 24 78 APR 20 79	13.55 11.86 14.11	JUL 27 78 NOV 21 78	13.07 11.48	AUG 24 78 DEC 28 78	13.57 11.88
N 1440	40 38 46	73 38 19	MAY 29 78 AUG 24 78 NOV 21 78 MAR 22 79	7.66 6.36 5.98 8.21	JUN 1 78 SEP 8 78 DEC 1 78 APR 20 79	7.68 7.24 6.17 7.63	JUN 28 78 SEP 27 78 DEC 28 78	7.03 6.58 6.75	JUL 27 78 OCT 24 78 MAR 1 79	6.58 6.19 8.36
N 1441	40 38 5	73 38 12	MAY 29 78 AUG 24 78 NOV 21 78 MAR 22 79	3.72 3.11 2.65 4.04	JUN 1 78 SEP 8 78 DEC 1 78 APR 20 79	3.97 3.02 2.91 3.34	JUN 28 78 SEP 27 78 DEC 28 78	3.23 3.99 3.68	JUL 27 78 OCT 24 78 MAR 1 79	3.03 3.01 4.43
N 1442	40 40 32	73 36 6	MAY 31 78 AUG 23 78 NOV 20 78 MAR 20 79	21.85 20.71 20.12 22.25	JUN 5 78 SEP 15 78 DEC 6 78 APR 19 79	21.90 20.55 21.43 21.91	JUN 28 78 SEP 25 78 DEC 28 78 MAY 24 79	21.36 20.52 21.02 21.94	JUL 26 78 OCT 23 78 MAR 7 79	20.97 20.48 22.65
N 1443	40 39 49	73 36 12	MAY 30 78 AUG 23 78 NOV 20 78 MAR 20 79	12.06 11.55 12.52 12.27	JUN 5 78 SEP 19 78 DEC 6 78 APR 19 79	12.44 11.62 11.74 12.11	JUN 27 78 SEP 25 78 DEC 28 78 MAY 24 79	11.73 11.56 11.90 12.20	JUL 26 78 OCT 23 78 MAR 7 79	11.58 11.57 12.94
N 1444	40 39 3	73 36 12	MAY 31 78 AUG 23 78 DEC 28 78 MAY 24 79	5.02 4.60 3.10 4.59	JUN 1 78 SEP 7 78 FEB 28 79	4.69 4.19 5.38	JUN 27 78 OCT 23 78 MAR 20 79	4.35 3.37 4.96	JUL 26 78 DEC 1 78 APR 19 79	4.36 4.15 4.64

Table 2.--Water levels in wells in Nassau County Sewer Districts 2 and 3, 1978-79.

(continued)

WELL NO.	LATITUDE DEG MIN SEC	LONGITUDE DEG MIN SEC	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
N 1445	40 41 25	73 32 50	MAY 31 78 AUG 24 78 NOV 21 78 MAR 22 79	32.51 30.65 30.18 32.46	JUN 1 78 SEP 18 78 DEC 4 78 APR 23 79	32.59 30.45 30.70 32.69	JUN 28 78 SEP 26 78 DEC 29 78	31.47 30.30 31.09	JUL 27 78 OCT 25 78 MAR 1 79	30.74 30.31 33.66
N 1446	40 40 26	73 32 42	MAY 31 78 AUG 24 78 NOV 21 78 MAR 22 79	15.61 15.08 14.98 15.84	JUN 1 78 SEP 18 78 DEC 4 78 APR 20 79	15.69 15.15 15.38 15.64	JUN 28 78 SEP 26 78 DEC 29 78	15.21 14.96 15.38	JUL 27 78 OCT 25 78 MAR 1 79	15.04 15.00 16.00
N 1448	40 41 34	73 30 35	MAY 31 78 AUG 24 78 NOV 21 78 MAR 21 79	29.71 29.18 29.01 29.88	JUN 7 78 SEP 15 78 DEC 6 78 APR 20 79	29.78 29.15 29.22 29.60	JUN 28 78 SEP 26 78 DEC 28 78 MAY 24 79	29.41 29.04 29.36 29.79	JUL 27 78 OCT 24 78 MAR 12 79	29.23 29.08 30.26
N 1449	40 40 45	73 30 47	JUN 7 78 SEP 11 78 DEC 5 78 APR 23 79	15.88 15.78 15.98 15.92	JUN 28 78 SEP 26 78 DEC 28 78 MAY 24 79	15.73 15.63 15.78 16.15	JUL 27 78 OCT 25 78 MAR 7 79	15.51 15.70 16.55	AUG 24 78 NOV 21 78 MAR 21 79	15.67 15.66 16.05
N 1451	40 43 58	73 37 7	MAY 30 78 AUG 23 78 NOV 20 78 MAR 20 79	60.72 59.68 56.89 60.24	JUN 8 78 SEP 18 78 DEC 6 78 APR 18 79	60.59 59.20 57.73 60.15	JUN 27 78 SEP 25 78 DEC 28 78 MAY 23 79	60.13 59.16 57.13 61.94	JUL 26 78 OCT 23 78 MAR 9 79	59.86 58.09 62.05
N 1455	40 42 45	73 42 3	MAY 31 78 SEP 11 78 DEC 7 78	22.36 19.78 20.30	JUN 28 78 SEP 28 78 MAR 5 79	21.24 20.20 22.66	JUL 26 78 OCT 24 78 MAR 21 79	20.09 20.20 21.88	AUG 23 78 NOV 21 78 APR 19 79	21.28 20.16 22.19
N 1459	40 40 37	73 39 59	JUN 1 78 SEP 19 78 DEC 17 78 APR 19 79	18.02 16.39 16.05 18.09	JUN 28 78 SEP 27 78 DEC 28 78	17.63 16.02 15.80	JUL 27 78 OCT 24 78 MAR 1 79	17.34 16.01 17.07	AUG 24 78 NOV 21 78 MAR 21 79	16.42 16.23 17.54
N 1464	40 40 42	73 29 26	JUN 19 78 NOV 21 78 MAR 15 79 MAY 24 79	15.85 14.99 17.28 16.29	JUL 27 78 DEC 19 78 MAR 21 79	15.19 15.58 17.00	SEP 27 78 DEC 28 78 APR 20 79	15.20 15.90 16.23	OCT 24 78 FEB 1 79 MAY 1 79	15.12 17.12 16.19
N 1472	40 43 39	73 41 44	MAY 31 78 SEP 11 78 DEC 7 78 APR 19 79	33.08 32.48 32.21 33.98	JUN 28 78 SEP 26 78 DEC 27 78	32.78 32.44 32.30	JUL 26 78 OCT 24 78 MAR 5 79	32.74 32.54 33.48	AUG 23 78 NOV 21 78 MAR 21 79	32.70 32.17 33.61
N 1475	40 43 27	73 41 44	MAY 31 78 SEP 11 78 DEC 7 78 APR 19 79	32.67 30.38 30.93 32.85	JUN 28 78 SEP 26 78 DEC 27 78	30.86 30.52 31.95	JUL 26 78 OCT 24 78 MAR 5 79	30.60 31.06 31.73	AUG 23 78 NOV 21 78 MAR 21 79	30.58 30.01 32.32

WELL NO.	LATITUDE		LONGITUDE		WATER LEVEL		DATE		WATER LEVEL		DATE		WATER LEVEL	
	DEG	MIN	SEC	DEG	MIN	SEC	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
N 1615	40	42	9	73	34	6	MAY 24 78	45.17	JUN 22 78	43.24	JUN 24 78	42.40	JUL 26 78	42.34
							AUG 23 78	41.95	AUG 28 78	41.85	SEP 25 78	41.58	SEP 26 78	41.56
							OCT 23 78	41.69	OCT 24 78	41.65	NOV 20 78	41.37	NOV 24 78	41.34
							DEC 18 78	41.85	DEC 28 78	42.03	JAN 29 79	43.98	FEB 27 79	43.94
							MAR 19 79	45.27	APR 23 79	44.32	APR 24 79	44.27	MAY 21 79	44.12
N 1616	40	45	54	73	35	15	MAY 24 78	80.88	JUN 22 78	80.91	JUL 24 78	80.67	JUL 26 78	80.68
							AUG 23 78	80.41	AUG 28 78	79.34	SEP 25 78	80.02	SEP 26 78	80.01
							OCT 23 78	79.71	OCT 24 78	79.66	NOV 20 78	79.29	NOV 24 78	79.31
							DEC 18 78	79.01	JAN 29 79	79.53	FEB 27 79	79.98	MAR 19 79	80.87
							MAR 20 79	80.95	APR 18 79	81.70	APR 24 79	81.71	MAY 21 79	81.84
N 1621	40	43	19	73	43	49	MAY 23 79	81.93						
							JUN 2 78	14.63	JUN 8 78	14.66	JUN 27 78	14.62	JUL 26 78	14.25
							AUG 22 78	14.63	SEP 18 78	14.46	SEP 25 78	14.35	OCT 23 78	14.21
							NOV 20 78	14.00	DEC 6 78	13.22	DEC 28 78	13.81	MAR 9 79	15.14
							MAR 20 79	14.22	APR 18 79	14.72	MAY 23 79	15.34		
N 1622	40	42	38	73	43	39	JUN 8 78	8.70	JUN 27 78	8.33	JUL 26 78	7.95	AUG 25 78	7.63
							SEP 18 78	7.78	SEP 25 78	7.86	OCT 23 78	7.33	NOV 20 78	7.53
							DEC 6 78	7.66	DEC 27 78	7.59	MAR 9 79	8.19	MAR 20 79	8.37
							APR 18 79	8.81	MAY 23 79	9.21				
							MAY 30 78	6.35	JUN 8 78	6.57	JUN 27 78	6.20	JUL 26 78	5.76
N 1625	40	40	40	73	43	34	AUG 21 78	6.08	SEP 18 78	5.22	SEP 25 78	5.12	OCT 23 78	4.86
							NOV 20 78	4.65	DEC 6 78	4.67	DEC 27 78	4.59	MAR 9 79	6.39
							MAR 20 79	6.84	APR 18 79	7.39	MAY 23 79	7.68		
							MAY 30 78	5.12	JUN 8 78	5.14	JUN 27 78	4.44	JUL 26 78	3.86
							AUG 25 78	3.59	SEP 18 78	3.76	SEP 25 78	3.79	OCT 23 78	3.66
N 1626	40	39	59	73	43	38	NOV 20 78	3.43	DEC 6 78	3.55	DEC 27 78	3.87	MAR 9 79	6.04
							MAR 20 79	6.19	APR 18 79	5.77	MAY 23 79	5.44		
							MAY 29 78	1.48	MAY 30 78	1.22	JUN 27 78	1.26	JUL 26 78	1.13
							AUG 25 78	3.38	SEP 8 78	1.17	SEP 25 78	0.92	DEC 6 78	0.77
							DEC 27 78	1.46	FEB 28 79	2.09				
N 1628	40	38	4	73	43	27	MAY 29 78	2.16	MAY 30 78	1.57	JUN 27 78	1.62	JUL 26 78	0.60
							AUG 21 78	1.81	SEP 8 78	2.49	DEC 6 78	2.69	DEC 27 78	2.90
							FEB 28 79	3.31						
							MAY 30 78	19.31	JUN 8 78	19.49	JUN 27 78	19.35	JUL 26 78	19.25
							AUG 21 78	19.21	SEP 18 78	19.08	SEP 25 78	18.81	OCT 23 78	18.57
N 1682	40	43	11	73	42	54	NOV 20 78	18.28	DEC 6 78	18.38	DEC 28 78	18.08	MAR 9 79	18.91
							MAR 20 79	18.86	APR 18 79	19.39	MAY 23 79	19.79		
							MAY 31 78	36.73	JUN 8 78	36.95	JUN 27 78	36.66	JUL 26 78	36.37
							AUG 23 78	37.35	SEP 18 78	36.22	SEP 26 78	35.93	OCT 24 78	35.77
							NOV 21 78	35.71	DEC 6 78	35.75	DEC 27 78	35.67	MAR 9 79	37.57
N 1683	40	43	29	73	41	17	MAR 21 79	37.78	APR 19 79	38.53				

Table 2.--Water levels in wells in Nassau County Sewer Districts 2 and 3, 1978-79.

(continued)

WELL NO.	LATITUDE DEG MIN SEC	LONGITUDE DEG MIN SEC	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
N 1624	40 43 35	73 30 59	JUN 1 78	49.25	JUN 8 78	49.43	JUN 29 78	49.20
			AUG 24 78	48.41	SEP 18 78	48.16	SEP 27 78	47.93
			NOV 22 78	47.21	DEC 6 78	47.19	DEC 28 78	46.83
			MAR 22 79	50.33	APR 20 79	50.93		
N 3554	40 43 59	73 28 36	JUN 7 78	65.24	JUN 20 78	64.97	JUN 29 78	64.61
			AUG 23 78	65.00	SEP 15 78	63.83	SEP 26 78	64.45
			OCT 23 78	62.71	NOV 20 78	62.23	DEC 5 78	62.30
			DEC 27 78	62.33	FEB 1 79	64.96	MAR 7 79	66.68
N 3707	40 38 41	73 42 5	MAR 20 79	65.06	APR 19 79	65.51	MAY 1 79	65.45
			MAY 29 78	2.57	MAY 31 78	2.11	JUN 27 78	1.88
			AUG 23 78	1.86	SEP 7 78	1.91	SEP 26 78	1.88
			NOV 20 78	1.71	DEC 4 78	1.99	DEC 27 78	2.18
N 3708	40 38 49	73 42 56	MAR 20 79	2.34	APR 18 79	2.22	MAY 23 79	2.19
			MAY 29 78	0.52	MAY 30 78	0.32	JUN 27 78	-0.19
			AUG 21 78	-0.18	SEP 8 78	0.33	SEP 25 78	0.45
			NOV 20 78	-0.04	DEC 6 78	2.20	DEC 27 78	0.54
N 3710	40 38 23	73 43 22	MAR 20 79	0.47	APR 18 79	0.15	MAY 23 79	0.01
			MAY 29 78	1.30	MAY 30 78	1.07	JUN 27 78	0.32
			AUG 21 78	0.98	SEP 8 78	0.76	SEP 25 78	0.99
			NOV 20 78	0.25	DEC 6 78	0.61	DEC 27 78	1.25
N 3711	40 39 0	73 43 5	MAR 20 79	1.14	APR 18 79	0.63	MAY 23 79	0.51
			MAY 29 78	2.03	MAY 30 78	1.87	JUN 27 78	0.92
			AUG 21 78	1.14	SEP 8 78	1.10	SEP 25 78	1.41
			NOV 20 78	0.80	DEC 6 78	1.13	DEC 27 78	1.68
N 7232	40 43 19	73 30 56	MAR 20 79	2.33	APR 18 79	1.46	MAY 23 79	1.21
			MAY 30 78	60.20	JUN 7 78	60.21	JUN 27 78	59.39
			AUG 23 78	58.46	SEP 15 78	57.98	SEP 26 78	57.64
			NOV 21 78	56.65	DEC 17 78	56.68	DEC 29 78	57.12
N 7233	40 44 37	73 31 0	MAR 22 79	59.20	APR 20 79	60.70		
			MAY 30 78	73.40	JUN 7 78	73.35	JUN 27 78	72.83
			AUG 23 78	71.79	SEP 15 78	71.34	SEP 26 78	71.03
			NOV 21 78	68.56	DEC 17 78	69.34	DEC 29 78	69.01
N 7235	40 38 38	73 40 55	MAR 22 79	70.65	APR 20 79	74.40		
			MAY 22 78	6.48	JUN 1 78	6.70	JUN 28 78	5.65
			AUG 24 78	4.89	SEP 8 78	4.77	SEP 27 78	4.81
			NOV 21 78	4.56	DEC 1 78	4.61	DEC 28 78	5.22
			MAR 21 79	8.17	APR 19 79	6.99		



WELL NO.	LATITUDE		LONGITUDE		WATER LEVEL		DATE		WATER LEVEL		DATE		WATER LEVEL	
	DEG	MIN SEC	DEG	MIN SEC	DATE	LEVEL	DATE	LEVEL	DATE	LEVEL	DATE	LEVEL		
N 7306	40	44 18	73	37 6	MAY 30 78	61.38	JUN 8 78	61.49	JUN 27 78	63.31	JUL 26 78	67.42		
					AUG 23 78	64.14	DEC 6 78	57.54	DEC 27 78	58.37	MAR 9 79	60.72		
					MAR 20 79	61.87	APR 18 79	62.40	MAY 23 79	62.56				
N 7357	40	45 44	73	26 55	JUN 12 78	75.79	JUN 8 78	73.15	JUN 29 78	75.62	JUL 26 78	75.38		
					AUG 20 78	74.70	SEP 18 78	74.97	SEP 25 78	74.95	OCT 23 78	74.98		
					NOV 20 78	74.52	DEC 8 78	74.77	DEC 27 78	74.31	MAR 9 79	75.74		
					MAR 20 79	75.64	APR 17 79	76.71	MAY 22 79	76.96				
N 7472	40	38 40	73	41 16	JUN 30 78	3.69	JUL 27 78	3.60	AUG 24 78	2.92	SEP 27 78	3.27		
					SEP 28 78	3.24	OCT 24 78	3.33	NOV 21 78	3.21	DEC 19 78	3.57		
					FEB 1 79	5.34	MAR 16 79	5.85	MAR 21 79	5.79	APR 19 79	5.06		
N 7659	40	38 40	73	43 21	MAY 29 78	0.59	MAY 30 78	0.48	JUN 27 78	0.22	JUL 26 78	0.24		
					AUG 21 78	0.58	SEP 8 78	0.71	SEP 25 78	0.78	OCT 23 78	0.44		
					NOV 20 78	0.15	DEC 6 78	0.31	DEC 27 78	0.54	FEB 28 79~	1.09		
					MAR 20 79	0.58	APR 18 79	0.32	MAY 23 79	0.21				
N 8150	40	40 3	73	40 55	JUN 1 78	11.12	JUN 28 78	9.92	JUL 27 78	8.65	AUG 24 78	7.93		
					SEP 27 78	7.85	OCT 24 78	8.04	NOV 21 78	7.90	DEC 28 78	8.50		
					MAR 21 79	12.55	APR 19 79	12.28						
N 8203	40	39 9	73	34 16	MAY 31 78	3.87	JUN 27 78	2.82	JUL 26 78	2.80	AUG 23 78	2.93		
					SEP 1 78	2.92	SEP 25 78	2.94	OCT 23 78	2.86	NOV 20 78	2.82		
					DEC 1 78	3.22	DEC 28 78	3.05	FEB 28 79	4.14	MAR 20 79	3.22		
					APR 19 79	3.12	MAY 24 79	3.17						
N 8235	40	42 2	73	35 43	JUN 1 78	41.64	JUN 5 78	41.74	JUN 28 78	41.08	JUL 26 78	40.34		
					AUG 23 78	39.79	SEP 15 78	39.81	SEP 25 78	39.09	OCT 23 78	38.84		
					NOV 20 78	38.30	DEC 6 78	38.24	DEC 28 78	38.63	MAR 7 79	42.14		
					MAR 20 79	42.91	APR 19 79	41.44	MAY 24 79	42.39				
N 8269	40	45 35	73	37 0	MAY 24 78	72.05	JUN 6 78	71.83	JUN 22 78	72.29	JUL 24 78	71.88		
					JUL 26 78	71.21	AUG 28 78	72.11	SEP 15 78	70.65	SEP 26 78	71.17		
					OCT 23 78	70.31	OCT 24 78	71.01	NOV 20 78	69.90	NOV 24 78	70.55		
					DEC 6 78	70.68	DEC 18 78	70.37	DEC 27 78	70.41	JAN 29 79	71.13		
					FEB 27 79	70.55	MAR 7 79	71.29	MAR 19 79	72.29	MAR 20 79	72.33		
					APR 18 79	72.72	APR 24 79	72.65	MAY 21 79	72.97	MAY 23 79	72.90		
N 8374	40	41 18	73	43 29	MAY 30 78	7.42	JUN 8 78	7.39	JUN 27 78	6.72	JUL 26 78	6.12		
					AUG 21 78	6.85	SEP 18 78	5.15	SEP 25 78	5.88	OCT 23 78	5.31		
					NOV 20 78	5.32	DEC 6 78	5.38	DEC 27 78	5.32	MAR 9 79	6.79		
					MAR 20 79	7.24	APR 18 79	7.83	MAY 23 79	7.14				
N 8412	40	40 39	73	30 32	MAY 31 78	16.07	JUN 7 78	16.15	JUN 28 78	15.51	JUL 27 78	14.71		
					AUG 24 78	14.85	SEP 8 78	15.08	SEP 26 78	14.96	OCT 25 78	14.69		
					NOV 21 78	14.83	DEC 5 78	15.12	DEC 28 78	15.84	MAR 7 79	17.51		
					MAR 21 79	17.05	APR 20 79	16.37	MAY 24 79	16.48				

Table 2.--Water levels in wells in Nassau County Sewer Districts 2 and 3, 1978-79.

(continued)

WELL NO.	LATITUDE DEG MIN SEC	LONGITUDE DEG MIN SEC	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
N 8441	40 45 38	73 31 44	MAY 30 78	85.02	JUN 7 78	85.09	JUN 27 78	84.70
			AUG 23 78	84.04	SEP 15 78	83.75	SEP 26 78	83.50
			NOV 21 78	82.80	DEC 17 78	82.64	DEC 29 78	82.47
			MAR 22 79	83.53	APR 20 79	86.22		
N 8471	40 39 40	73 32 22	SEP 7 78	2.22	SEP 26 78	1.19	OCT 25 78	1.21
			DEC 1 78	1.33	DEC 28 78	0.47	FEB 28 79	1.91
			APR 20 79	1.06				
N 8550	40 44 1	73 32 20	MAY 31 78	70.08	JUN 6 78	70.61	JUN 28 78	69.42
			AUG 24 78	68.08	SEP 11 78	68.24	SEP 26 78	67.25
			NOV 21 78	66.17	DEC 5 78	66.74	DEC 28 78	66.97
			MAR 21 79	71.16	APR 19 79	70.93	MAY 24 79	71.25
N 8598	40 42 39	73 35 55	JUN 1 78	48.20	JUN 5 78	48.33	JUN 28 78	47.73
			AUG 23 78	46.54	SEP 15 78	46.11	SEP 25 78	45.95
			NOV 20 78	45.14	DEC 6 78	44.16	DEC 28 78	45.22
			MAR 20 79	49.41	APR 19 79	48.85	MAY 24 79	48.53
N 8599	40 38 59	73 42 12	MAY 29 78	3.94	MAY 31 78	3.71	JUN 27 78	2.84
			AUG 23 78	2.88	SEP 7 78	2.39	SEP 26 78	2.50
			NOV 20 78	2.15	DEC 4 78	2.53	DEC 27 78	3.21
			MAR 20 79	4.31	APR 18 79	3.64	MAY 23 79	3.25
N 8628	40 43 24	73 32 19	MAY 31 78	62.17	JUN 7 78	62.05	JUN 28 78	61.29
			AUG 24 78	60.05	SEP 8 78	59.86	SEP 26 78	59.38
			NOV 21 78	58.41	DEC 5 78	58.37	DEC 28 78	58.79
			MAR 21 79	63.16	APR 19 79	62.71	MAY 24 79	62.74
N 8630	40 39 22	73 25 33	JUN 1 78	0.76	JUN 29 78	1.08	JUL 27 78	0.71
			SEP 7 78	1.36	SEP 26 78	1.18	OCT 23 78	0.48
			DEC 1 78	1.79	DEC 27 78	0.36	FEB 28 79	1.33
			APR 18 79	0.79	MAY 22 79	0.83		
N 8631	40 39 21	73 26 58	MAY 25 78	1.87	JUN 1 78	1.68	JUN 29 78	1.76
			AUG 24 78	1.97	SEP 7 78	1.72	SEP 26 78	1.74
			NOV 20 78	1.61	DEC 1 78	2.05	DEC 27 78	0.91
			MAR 20 79	1.45	APR 18 79	6.99	MAY 22 79	6.52
N 8633	40 39 1	73 28 48	MAY 31 78	1.38	JUN 1 78	0.19	JUN 30 78	0.43
			AUG 24 78	1.20	SEP 7 78	1.33	SEP 25 78	2.16
			NOV 21 78	1.20	DEC 1 78	3.81	DEC 28 78	0.66
			MAR 21 79	1.58	APR 19 79	2.59	MAY 24 79	1.97
N 8634	40 38 3	73 37 20	MAY 29 78	4.09	MAY 30 78	4.16	JUN 27 78	3.19
			AUG 23 78	3.23	SEP 8 78	3.16	SEP 25 78	3.17
			NOV 20 78	2.84	DEC 4 78	3.45	DEC 27 78	3.96
			MAR 20 79	4.21	APR 18 79	3.86	MAY 23 79	3.56
							JUL 26 78	2.99
							OCT 23 78	3.13
							MAR 1 79	4.96
							JUL 27 78	1.42
							OCT 24 78	0.14
							FEB 28 79	3.63
							JUL 27 78	1.51
							OCT 23 78	1.33
							FEB 28 79	2.71
							JUL 27 78	1.22
							AUG 24 78	1.07
							NOV 20 78	1.16
							MAR 20 79	1.33
							JUL 27 78	1.76
							OCT 23 78	1.74
							FEB 28 79	2.71
							JUL 27 78	1.42
							OCT 24 78	0.14
							FEB 28 79	3.63
							JUL 27 78	1.42
							OCT 24 78	0.14
							FEB 28 79	3.63
							JUL 27 78	1.42
							OCT 24 78	0.14
							FEB 28 79	3.63
							JUL 27 78	1.42
							OCT 24 78	0.14
							FEB 28 79	3.63
							JUL 27 78	1.42
							OCT 24 78	0.14
							FEB 28 79	3.63
							JUL 27 78	1.42
							OCT 24 78	0.14
							FEB 28 79	3.63
							JUL 27 78	1.42
							OCT 24 78	0.14
							FEB 28 79	3.63
							JUL 27 78	1.42
							OCT 24 78	0.14
							FEB 28 79	3.63
							JUL 27 78	1.42
							OCT 24 78	0.14
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							JUL 27 78	1.42
							OCT 24 78	0.14
							FEB 28 79	3.63
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							OCT 24 78	0.14
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							OCT 24 78	0.14
							FEB 28 79	3.63
							JUL 27 78	1.42
							OCT 24 78	0.14
							F	

WELL NO.	LATITUDE		LONGITUDE	WATER LEVEL		WATER LEVEL		WATER LEVEL			
	DEG	MIN SEC		DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL		
N 8635	40	37 24	73 37 28	MAY 29 78	2.54	MAY 30 78	2.28	JUN 27 78	1.93	JUL 26 78	2.09
				AUG 23 78	2.71	SEP 8 78	3.22	SEP 25 78	2.28	OCT 23 78	2.26
				NOV 20 78	2.19	DEC 4 78	3.26	DEC 27 78	1.53	MAR 1 79	3.23
				MAR 20 79	2.56	APR 18 79	2.42	MAY 23 79	1.79		
N 8636	40	36 21	73 44 20	JUN 27 78	5.89	JUL 26 78	5.77	AUG 21 78	6.05	SEP 25 78	6.08
				OCT 23 78	5.66	NOV 20 78	5.44	DEC 28 78	6.24	APR 18 79	6.47
				MAY 23 79	6.33						
N 8637	40	37 24	73 38 14	MAY 29 78	3.17	JUN 1 78	3.14	JUN 28 78	2.30	JUL 27 78	2.36
				AUG 24 78	2.67	SEP 8 78	2.46	SEP 27 78	3.50	OCT 24 78	2.36
				NOV 21 78	2.16	DEC 1 78	2.59	DEC 28 78	2.81	MAR 1 79	3.09
				MAR 22 79	4.13	APR 20 79	2.74				
N 8644	40	36 37	73 43 9	MAY 29 78	7.21	MAY 30 78	6.99	JUN 27 78	6.06	JUL 26 78	5.63
				AUG 21 78	6.73	SEP 8 78	5.59	SEP 26 78	5.72	OCT 23 78	5.63
				NOV 20 78	5.20	DEC 4 78	5.43	DEC 27 78	6.09	FEB 28 79	7.84
				MAR 20 79	7.77	APR 18 79	6.91	MAY 23 79	6.40		
N 8646	40	35 52	73 43 30	MAY 29 78	4.61	MAY 30 78	4.39	JUN 27 78	3.69	JUL 26 78	3.50
				AUG 21 78	3.72	SEP 8 78	2.34	SEP 26 78	4.68	OCT 23 78	3.54
				NOV 20 78	3.24	DEC 4 78	3.51	DEC 27 78	4.10	FEB 28 79	3.73
				MAR 20 79	4.55	APR 18 79	4.24	MAY 23 79	3.99		
N 8647	40	37 59	73 39 38	MAY 23 78	0.62	JUN 1 78	1.49	JUN 28 78	1.29	JUL 27 78	0.99
				AUG 24 78	1.77	SEP 18 78	2.17	SEP 27 78	1.48	OCT 24 78	1.94
				NOV 21 78	1.85	DEC 1 78	1.00	DEC 28 78	0.65	MAR 1 79	3.31
				MAR 22 79	2.05	APR 19 79	2.20				
N 8648	40	38 43	73 32 44	MAY 31 78	1.17	JUN 27 78	2.54	JUL 27 78	1.11	AUG 24 78	1.90
				SEP 7 78	2.44	SEP 26 78	1.65	OCT 24 78	0.99	NOV 21 78	1.53
				DEC 1 78	3.00	DEC 28 78	0.62	FEB 28 79	1.95	MAR 20 79	1.69
				APR 19 79	2.09	MAY 24 79	2.08				
N 8649	40	38 55	73 31 11	MAY 23 78	1.93	MAY 31 78	2.38	JUN 30 78	1.44	JUL 27 78	1.66
				AUG 24 78	1.79	SEP 7 78	1.84	SEP 26 78	1.99	OCT 25 78	2.46
				NOV 21 78	1.72	DEC 1 78	2.16	DEC 28 78	0.33	FEB 28 79	2.34
				MAR 22 79	1.72	APR 20 79	1.20				
N 8651	40	39 16	73 32 20	MAY 31 78	2.19	JUN 30 78	1.11	JUL 27 78	2.03	AUG 7 78	2.42
				AUG 24 78	2.04	SEP 26 78	1.63	OCT 25 78	1.56	NOV 21 78	2.09
				DEC 1 78	2.61	DEC 28 78	0.08	FEB 28 79	2.21	MAR 22 79	1.36
				APR 20 79	1.55						
N 8652	40	38 35	73 32 25	MAY 31 78	0.23	JUN 30 78	-0.66	JUL 27 78	2.15	AUG 24 78	0.81
				SEP 7 78	2.44	SEP 26 78	0.27	OCT 25 78	0.24	NOV 21 78	1.70
				DEC 1 78	2.28	DEC 28 78	2.27	FEB 28 79	-0.20	MAR 22 79	-0.37
				APR 20 79	0.50						
N 8653	40	37 50	73 36 13	MAY 30 78	2.20	MAY 31 78	2.74	JUN 27 78	1.42	JUL 26 78	1.73
				AUG 23 78	2.40	SEP 7 78	1.95	SEP 25 78	1.92	OCT 23 78	1.92
				NOV 20 78	1.80	DEC 1 78	2.30	DEC 27 78	1.23	FEB 28 79	2.83
				MAR 20 79	2.47	APR 19 79	1.51	MAY 23 79	1.42		

Table 2.--Water levels in wells in Nassau County Sewer Districts 2 and 3, 1978-79.

(continued)

WELL NO.	LATITUDE		LONGITUDE	DATE		WATER LEVEL	DATE		WATER LEVEL	DATE		WATER LEVEL		
	DEG	MIN		SEC	DEG		MIN	SEC		DEG	MIN		SEC	DEG
N 8654	40	37	18	73	35	45	MAY 30 78	2.05	MAY 31 78	3.11	JUN 27 78	1.53	JUL 26 78	1.99
							AUG 23 78	3.05	SEP 7 78	2.43	SEP 25 78	1.71	OCT 23 78	2.21
							NOV 20 78	2.15	DEC 1 78	3.01	FEB 28 79	1.58	MAR 20 79	5.91
							APR 14 79	1.17	MAY 20 79	1.30				
N 8655	40	37	48	73	30	54	MAY 22 78	2.38	JUN 1 78	2.60	JUN 28 78	0.78	JUL 27 78	0.69
							SEP 8 78	2.78	SEP 28 78	2.07	OCT 24 78	2.46	NOV 21 78	2.88
							DEC 1 78	1.74	DEC 28 78	1.38	MAR 1 79	4.09	MAR 21 79	2.94
							APR 19 79	3.06						
N 8659	40	41	43	73	23	50	JUN 2 78	34.91	JUN 7 78	34.79	JUN 28 78	33.39	JUL 26 78	31.80
							AUG 23 78	31.66	SEP 15 78	31.32	SEP 25 78	31.32	OCT 24 78	31.09
							NOV 21 78	30.85	DEC 6 78	30.91	DEC 28 78	31.44	MAR 12 79	35.78
							MAR 21 79	35.73	APR 19 79	35.73	MAY 24 79	34.59		
N 8694	40	44	10	73	40	3	MAY 31 78	47.49	JUN 1 78	47.51	JUN 28 78	47.53	JUL 27 78	47.23
							AUG 23 78	46.78	SEP 19 78	46.61	SEP 26 78	46.40	OCT 24 78	46.25
							NOV 21 78	46.09	DEC 17 78	45.64	DEC 27 78	45.52	MAR 1 79	47.93
							MAR 21 79	48.89	APR 19 79	49.30				
N 8717	40	39	36	73	30	35	JUN 1 78	1.24	JUN 28 78	2.32	JUL 27 78	3.21	AUG 24 78	3.47
							SEP 26 78	3.23	OCT 25 78	3.11	NOV 21 78	3.04	DEC 28 78	4.33
							MAR 22 79	4.82	APR 20 79	4.13	MAY 24 79	4.77		
N 8788	40	36	49	73	37	37	MAY 29 78	0.52	JUN 1 78	0.65	JUN 28 78	1.71	JUL 27 78	1.26
							AUG 24 78	2.54	SEP 8 78	2.32	SEP 27 78	1.14	OCT 24 78	2.62
							NOV 21 78	2.15	DEC 4 78	3.62	DEC 28 78	0.22	MAR 1 79	3.32
							MAR 22 79	2.14	APR 20 79	1.96				
N 8789	40	41	51	73	27	38	JUN 2 78	29.12	JUN 8 78	29.00	JUN 28 78	28.35	JUL 26 78	27.85
							AUG 23 78	27.73	SEP 15 78	27.69	SEP 26 78	27.59	OCT 23 78	27.60
							NOV 20 78	27.51	DEC 5 78	27.99	DEC 27 78	37.99	MAR 7 79	30.06
							MAR 20 79	29.79	APR 19 79	29.19	MAY 23 79	28.99		
N 8847	40	39	42	73	33	44	MAY 31 78	8.51	JUN 1 78	8.60	JUN 28 78	7.85	JUL 27 78	7.57
							AUG 24 78	7.58	SEP 18 78	7.61	SEP 26 78	7.63	OCT 24 78	7.61
							NOV 21 78	7.61	DEC 4 78	7.87	DEC 28 78	8.38	MAR 1 79	8.36
							MAR 20 79	9.04	APR 19 79	8.55	MAY 24 79	8.84		
N 8848	40	39	54	73	27	4	MAY 25 78	5.32	JUN 1 78	5.17	JUN 29 78	4.74	JUL 27 78	4.66
							AUG 24 78	4.79	SEP 7 78	4.77	SEP 26 78	4.70	OCT 23 78	4.68
							NOV 20 78	4.79	DEC 1 78	4.83	DEC 27 78	5.01	FEB 28 79	5.92
							MAR 20 79	5.49	APR 20 79	5.14	MAY 22 79	5.07		
N 8875	40	39	28	73	27	44	MAY 24 78	2.90	JUN 1 78	2.20	JUN 29 78	2.19	JUL 27 78	1.55
							AUG 23 78	1.91	SEP 7 78	1.78	SEP 26 78	1.75	OCT 23 78	1.63
							NOV 20 78	2.06	DEC 1 78	2.62	DEC 28 78	1.09	FEB 1 79	2.01
							FEB 28 79	3.20	MAR 20 79	2.01	APR 18 79	1.81	MAY 22 79	1.13
N 8876	40	39	23	73	26	11	MAY 25 78	2.67	JUN 1 78	2.00	JUN 29 78	1.48	JUL 27 78	1.65
							AUG 24 78	1.83	SEP 7 78	1.66	SEP 26 78	1.69	OCT 23 78	1.57
							NOV 20 78	1.64	DEC 1 78	1.91	FEB 28 79	3.07	MAR 20 79	1.81
							APR 18 79	1.80	MAY 22 79	1.76				

WELL NO.	LATITUDE		LONGITUDE		WATER LEVEL		DATE		WATER LEVEL		DATE		WATER LEVEL	
	DEG	MIN SEC	DEG	MIN SEC	LEVEL		DATE		LEVEL		DATE		LEVEL	
N 8940	40	43 49	73	33 13	51.33		SEP 26 78		90.81		DEC 28 78		63.03	
					66.57		APR 20 79		66.56					
N 8943	40	43 29	73	35 31	56.52		JUN 1 78		57.50		JUN 28 78		56.35	
					56.01		AUG 21 78		55.58		SEP 26 78		55.74	
					55.14		NOV 20 78		53.97		MAR 7 79		55.58	
					55.84		APR 19 79							
N 8944	40	43 13	73	35 22	54.69		JUN 1 78		55.04		JUN 28 78		54.11	
					52.39		AUG 24 78		53.04		SEP 26 78		52.92	
					52.24		NOV 20 78		53.26		DEC 29 78		52.64	
					55.56		MAR 21 79		54.86					
N 8958	40	43 4	73	35 37	53.17		MAY 3 78		53.06		MAY 17 78		53.21	
					53.50		MAY 31 78		53.49		JUN 5 78		52.55	
					53.25		JUN 14 78		53.04		JUN 27 78		52.92	
					52.58		JUL 18 78		52.36		JUL 27 78		53.33	
					52.03		AUG 10 78		51.96		AUG 16 78		52.12	
					51.81		AUG 30 78		51.51		SEP 13 78		51.51	
					51.46		SEP 20 78		51.39		SEP 28 78		51.36	
					51.50		OCT 12 78		51.35		OCT 24 78		51.23	
					51.02		NOV 1 78		50.87		NOV 15 78		50.70	
					50.50		NOV 29 78		51.55		DEC 8 78		50.42	
					50.68		DEC 20 78		50.81		DEC 27 78		50.88	
					54.79		MAR 5 79		54.53		APR 19 79		53.78	
N 8971	40	43 44	73	35 43	59.81		JUN 1 78		59.93		JUN 28 78		59.52	
					58.70		AUG 23 78		58.43		SEP 26 78		58.21	
					57.45		NOV 20 78		57.45		APR 23 79		59.82	
N 8983	40	44 16	73	29 44	70.60		MAY 30 78		70.59		JUL 28 78		70.26	
					69.84		SEP 25 78		69.02		NOV 20 78		68.29	
					71.24		MAR 21 79		70.99		MAY 24 79		71.44	
N 8984	40	44 52	73	31 46	76.17		MAY 30 78		76.16		JUN 27 78		75.25	
					74.12		AUG 23 78		73.87		SEP 25 78		73.24	
					72.81		NOV 20 78		72.81		DEC 27 78		73.02	
					77.42		MAR 20 79		76.55		MAY 23 79		76.35	
N 9054	40	38 22	73	36 33	6.43		MAY 30 78		6.55		JUN 27 78		5.50	
					5.06		AUG 23 78		4.88		SEP 25 78		4.86	
					4.45		NOV 20 78		4.45		FEB 28 79		6.97	
					6.14		APR 19 79		5.82					
N 9057	40	42 42	73	34 22	49.89		MAY 31 78		50.35		JUN 28 78		49.12	
					48.25		AUG 23 78		48.37		SEP 25 78		47.78	
					47.44		NOV 20 78		47.98		DEC 27 78		48.46	
					51.32		MAR 20 79		50.57		MAY 24 79		50.36	

Table 2.--Water levels in wells in Nassau County Sewer Districts 2 and 3, 1978-79.

(continued)

WELL NO.	LATITUDE DEG MIN SEC	LONGITUDE DEG MIN SEC	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
N 9077	40 42 39	73 31 58	MAY 31 78	51.16	JUN 7 78	51.81	JUN 28 78	49.79
			AUG 24 78	49.26	SEP 8 78	49.79	SEP 27 78	48.77
			NOV 31 78	48.13	DEC 5 78	48.86	DEC 28 78	49.67
			MAR 21 79	53.31	APR 19 79	52.62	MAY 24 79	52.37
N 9078	40 43 24	73 34 22	MAY 31 78	58.67	JUN 1 78	58.67	JUN 27 78	57.97
			AUG 24 78	56.80	SEP 18 78	56.67	SEP 26 78	56.22
			NOV 20 78	55.70	DEC 4 78	55.95	DEC 27 78	56.22
			MAR 21 79	59.65	APR 19 79	59.08	MAY 24 79	58.86
N 9079	40 45 8	73 30 24	MAY 30 78	79.55	JUN 7 78	79.21	JUN 27 78	78.72
			AUG 23 78	78.47	SEP 15 78	78.16	SEP 25 78	78.11
			NOV 20 78	77.22	DEC 6 78	77.47	DEC 27 78	77.68
			MAR 21 79	79.70	APR 19 79	81.17	MAY 24 79	80.72
N 9088	40 44 13	73 28 23	MAY 30 78	65.33	JUN 27 78	65.44	JUL 26 78	64.54
			SEP 26 78	64.11	OCT 23 78	63.89	NOV 20 78	63.49
			MAR 20 79	64.49	APR 23 79	66.69	MAY 23 79	66.42
N 9089	40 47 19	73 23 57	MAY 30 78	89.30	JUN 7 78	89.32	JUN 27 78	89.18
			AUG 23 78	88.47	SEP 15 78	88.91	SEP 26 78	88.91
			NOV 20 78	88.84	DEC 5 78	88.89	DEC 27 78	87.54
			MAR 21 79	90.05	APR 19 79	91.18	MAY 24 79	91.79
N 9168	40 46 33	73 34 54	JUN 4 78	95.90	JUL 26 78	95.07	AUG 23 78	94.93
			SEP 25 78	94.84	OCT 23 78	94.61	NOV 20 78	94.16
			DEC 27 78	94.75	MAR 5 79	95.51	DEC 4 78	95.30
N 9309	40 41 12	73 42 10	MAY 24 78	12.90	MAY 31 78	13.12	JUN 22 78	12.83
			JUL 21 78	12.45	JUL 26 78	12.17	AUG 21 78	11.96
			SEP 11 78	11.64	SEP 27 78	12.20	OCT 24 78	11.84
			NOV 21 78	11.56	NOV 24 78	11.53	DEC 7 78	11.49
			DEC 27 78	11.60	JAN 29 79	12.56	FEB 28 79	13.45
			MAR 19 79	14.34	MAR 21 79	14.55	APR 19 79	14.99
			MAY 21 79	14.93				
N 9371	40 38 56	73 38 17	OCT 24 78	6.90	NOV 22 78	6.76	DEC 28 78	7.58
			APR 19 79	8.36	MAY 23 79	8.31		
N 9372	40 39 43	73 38 29	OCT 24 78	13.06	NOV 22 78	11.48	DEC 28 78	12.22
			APR 19 79	14.11	MAY 23 79	13.75		
N 9373	40 40 30	73 38 22	OCT 24 78	23.30	NOV 22 78	21.75	DEC 28 78	22.11
			APR 19 79	24.82	MAY 24 79	24.86		
N 9374	40 40 47	73 38 42	OCT 24 78	21.51	NOV 22 78	21.13	DEC 28 78	21.79
			APR 19 79	25.22	MAY 29 79	24.76		

WELL NO.	LATITUDE		LONGITUDE		WATER LEVEL		DATE		WATER LEVEL		DATE		WATER LEVEL		DATE		WATER LEVEL	
	DEG	MIN	SEC	DEG	MIN	SEC	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
N 9375	40	42	0	73	37	52	OCT 24 78 APR 19 79	34.79 36.38	NOV 21 78 MAY 24 79	34.40 36.45	DEC 28 78	33.74	MAR 21 79	36.55				
N 9376	40	42	8	73	37	45	OCT 24 78 APR 19 79	36.39 38.09	NOV 21 78 MAY 24 79	35.69 39.16	DEC 28 78	36.28	MAR 21 79	38.19				
N 9377	40	40	47	73	37	4	OCT 24 78 APR 19 79	19.99 22.08	NOV 22 78 MAY 29 79	19.92 21.88	DEC 28 78	20.45	MAR 21 79	22.54				
N 9378	40	42	13	73	37	35	OCT 24 78 APR 19 79	33.39 35.73	NOV 21 78 MAY 24 79	33.63 35.83	DEC 28 78	32.49	MAR 21 79	35.32				
N 9379	40	41	54	73	40	58	OCT 24 78 APR 19 79	25.18 27.52	NOV 21 78	24.76	DEC 27 78	24.65	MAR 21 79	27.16				
N 9380	40	40	24	73	41	47	OCT 23 78 APR 18 79	8.58 12.07	NOV 21 78	7.92	DEC 27 78	9.19	MAR 21 79	12.38				
N 9381	40	40	14	73	41	47	OCT 23 78 APR 18 79	7.89 10.48	NOV 21 78	6.94	DEC 27 78	8.91	MAR 21 79	10.75				
N 9382	40	39	58	73	42	3	OCT 23 78 MAY 23 79	6.86 8.62	DEC 27 78	7.16	MAR 20 79	9.32	APR 18 79	8.87				
N 9383	40	39	37	73	42	25	OCT 23 78 APR 18 79	4.45 5.50	NOV 20 78 MAY 23 79	4.07 5.43	DEC 27 78	5.20	MAR 20 79	5.41				
N 9384	40	38	48	73	43	48	OCT 23 78 MAY 23 79	1.54 1.49	DEC 27 78	1.41	MAR 20 79	2.34	APR 18 79	1.60				
N 9385	40	39	27	73	41	41	OCT 23 78 APR 18 79	5.60 7.72	NOV 20 78 MAY 23 79	5.33 7.39	DEC 27 78	6.04	MAR 20 79	8.28				
N 9386	40	40	8	73	37	22	OCT 24 78 APR 19 79	10.35 11.90	NOV 22 78 MAY 29 79	10.87 11.50	DEC 28 78	11.30	MAR 21 79	12.43				
N 9387	40	40	38	73	39	49	OCT 23 78 APR 19 79	15.57 17.94	NOV 22 78 MAY 29 79	15.35 17.75	DEC 28 78	16.30	MAR 21 79	18.26				
N 9388	40	40	6	73	38	51	OCT 24 78 APR 19 79	13.92 15.81	NOV 22 78 MAY 29 79	13.96 15.62	DEC 28 78	14.62	MAR 21 79	16.48				
N 9389	40	43	37	73	39	9	OCT 24 78 APR 19 79	11.08 12.85	NOV 22 78 MAY 24 79	10.76 12.56	DEC 28 78	11.66	MAR 21 79	13.44				
N 9390	40	42	47	73	39	9	OCT 24 78 APR 19 79	39.39 42.11	NOV 21 78 MAY 24 79	38.95 41.94	DEC 28 78	38.75	MAR 21 79	41.69				
N 9391	40	38	53	73	42	55	OCT 23 78 APR 18 79	0.60 0.50	NOV 20 78 MAY 23 79	0.30 -0.61	DEC 27 78	1.02	MAR 20 79	0.80				

Table 2.--Water levels in wells in Nassau County Sewer Districts 2 and 3, 1978-79.

(continued)

WELL NO.	LATITUDE DEG MIN SEC	LONGITUDE DEG MIN SEC	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
N 9392	40 39 10	73 43 19	OCT 23 78 APR 18 79	1.76 2.24	NOV 20 78 MAY 23 79	1.76 2.24	DEC 28 78	1.76
N 9393	40 40 27	73 41 4	OCT 24 78 APR 19 79	9.67 14.56	NOV 21 78	9.50	DEC 28 78	10.20
N 9394	40 39 58	73 42 19	OCT 25 78 MAY 23 79	6.53 8.40	DEC 27 78	7.07	MAR 20 79	8.94
N 9395	40 39 6	73 36 31	OCT 26 78	7.23	NOV 21 78	6.68	DEC 27 78	7.36
N 9396	40 40 19	73 36 2	OCT 24 78 APR 19 79	17.85 18.99	NOV 21 78 MAY 23 79	18.58 18.90	DEC 28 78	18.36
N 9397	40 42 56	73 37 2	OCT 23 78 APR 19 79	46.46 49.35	NOV 21 78 MAY 23 79	45.89 48.19	DEC 28 78	45.94
N 9398	40 43 11	73 37 16	OCT 24 78 APR 19 79	48.83 51.56	NOV 21 78 MAY 24 79	48.57 51.62	DEC 28 78	48.31
N 9399	40 44 50	73 35 19	OCT 25 78 APR 19 79	70.70 72.88	NOV 21 78	69.77	DEC 28 78	69.83
N 9400	40 40 45	73 33 31	OCT 23 78 APR 18 79	21.22 22.91	NOV 20 78 MAY 23 79	20.78 23.50	DEC 27 78	21.72
N 9401	40 41 7	73 32 46	OCT 23 78 APR 18 79	25.98 28.28	NOV 20 78 MAY 23 79	25.80 27.70	DEC 27 78	26.81
N 9402	40 39 35	73 31 58	OCT 23 78 APR 18 79	2.38 2.65	NOV 20 78 MAY 23 79	2.17 2.22	DEC 27 78	2.81
N 9403	40 42 22	73 31 23	OCT 26 78 APR 20 79	43.40 45.86	NOV 21 78 MAY 24 79	43.69 45.91	DEC 28 78	44.60
N 9404	40 42 1	73 30 36	OCT 24 78 APR 19 79	36.72 37.82	NOV 21 78	36.60	DEC 28 78	37.28
N 9405	40 42 29	73 30 23	OCT 27 78 MAY 24 79	43.73 46.23	DEC 28 78	44.61	MAR 21 79	46.53
N 9406	40 44 46	73 35 30	OCT 25 78	68.68	DEC 28 78	68.40	APR 19 79	71.60
N 9408	40 41 5	73 35 34	OCT 25 78 APR 19 79	28.13 30.45	NOV 21 78 MAY 23 79	27.64 30.29	DEC 28 78	28.77
N 9409	40 40 24	73 34 24	OCT 24 78 APR 19 79	16.16 17.25	NOV 22 78 MAY 23 79	16.18 17.24	DEC 28 78	16.69
							MAR 21 79	17.67
							MAR 21 79	28.49
							MAR 20 79	2.64
							MAR 21 79	46.35
							MAR 21 79	38.04
							APR 20 79	46.14
							MAY 24 79	71.71
							MAR 21 79	30.67
							MAR 21 79	17.67





Table 2.--Water levels in wells in Nassau County Sewer Districts 2 and 3, 1978-79.

(continued)

WELL NO.	LATITUDE		LONGITUDE		WATER LEVEL		DATE		WATER LEVEL		DATE		WATER LEVEL	
	DEG	MIN	SEC	DEG	MIN	SEC	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
N 9428	40	41	31	73	28	59	OCT 23 78 APR 18 79	23.86 26.02	NOV 20 78 MAY 22 79	24.11 23.85	DEC 27 78	MAR 20 79	24.55	26.60
N 9429	40	41	13	73	29	49	OCT 23 78 APR 18 79	24.83 26.00	NOV 20 78 MAY 22 79	24.53 25.76	DEC 27 78	MAR 20 79	25.16	26.60
N 9430	40	41	21	73	27	35	OCT 23 78 APR 18 79	19.70 20.31	NOV 20 78 MAY 22 79	19.65 20.30	DEC 27 78	MAR 20 79	20.10	20.70
N 9431	40	40	43	73	25	50	OCT 23 78 APR 18 79	10.38 11.09	NOV 20 78 MAY 22 79	10.54 11.23	DEC 27 78	MAR 20 79	10.81	11.69
N 9432	40	40	32	73	26	27	OCT 23 78 APR 18 79	9.41 10.00	NOV 20 78 MAY 22 79	9.28 10.05	DEC 27 78	MAR 20 79	9.93	10.50
N 9433	40	40	17	73	26	35	OCT 23 78 APR 18 79	6.71 7.24	NOV 20 78 MAY 22 79	6.65 7.35	DEC 27 78	MAR 20 79	7.26	7.70
N 9434	40	39	43	73	26	17	OCT 25 78 APR 18 79	2.61 2.99	NOV 20 78 MAY 22 79	2.74 3.02	DEC 27 78	MAR 20 79	3.22	3.73
N 9435	40	39	43	73	26	17	OCT 25 78 APR 18 79	2.58 3.02	NOV 20 78 MAY 22 79	2.59 2.98	DEC 27 78	MAR 20 79	3.27	3.66
N 9436	40	40	7	73	27	5	OCT 23 78 APR 18 79	6.55 7.29	NOV 20 78 MAY 22 79	6.36 6.70	DEC 27 78	MAR 20 79	7.21	8.03
N 9437	40	39	48	73	27	32	OCT 23 78 APR 18 79	5.18 5.94	NOV 20 78 MAY 22 79	4.84 5.12	DEC 27 78	MAR 20 79	6.19	6.59
N 9438	40	39	48	73	27	32	OCT 23 78 APR 18 79	5.24 5.92	NOV 20 78 MAY 22 79	4.90 5.97	DEC 27 78	MAR 20 79	5.84	6.67
N 9439	40	42	5	73	26	59	OCT 23 78 APR 18 79	29.39 30.29	NOV 20 78 MAY 22 79	29.18 30.32	DEC 27 78	MAR 20 79	29.66	30.56
N 9440	40	43	4	73	26	59	OCT 23 78 APR 18 79	31.44 32.15	NOV 20 78 MAY 22 79	31.24 32.15	DEC 27 78	MAR 20 79	31.59	32.37
N 9441	40	42	6	73	27	20	OCT 23 78 APR 18 79	29.91 30.84	NOV 20 78 MAY 22 79	29.92 30.65	DEC 27 78	MAR 20 79	30.39	31.09
N 9442	40	42	17	73	27	3	OCT 23 78 APR 18 79	32.40 32.84	NOV 20 78 MAY 22 79	32.32 33.01	DEC 27 78	MAR 20 79	32.42	32.93
N 9444	40	41	44	73	38	10	OCT 23 78 APR 20 79	29.22 30.74	NOV 22 78	29.29	DEC 28 78	MAR 22 79	29.61	30.87