WATER-QUALITY DATA FOR AQUIFERS IN EAST-CENTRAL NEW JERSEY, 1981-82

By Douglas A. Harriman and Lois M. Voronin

Open-File Report 84-821

Prepared in cooperation with the
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
DIVISION OF WATER RESOURCES and the
OCEAN COUNTY PLANNING BOARD

Trenton, New Jersey
1984

UNITED STATES DEPARTMENT OF THE INTERIOR

WILLIAM P. CLARK, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For additional information write to:

U.S. Geological Survey
District Chief
Room 409, Federal Building
402 East State Street
Trenton, New Jersey 08608

Copies of this report can be purchased from:

Open-File Services Section
Western Distribution Branch
U.S. Geological Survey
Box 25425, Federal Center
Denver, Colorado 80225
(Telephone: [303] 236-7476)

CONTENTS

ILLUSTRATIONS

TABLES

CONVERSION OF INCH-POUND UNITS TO INTERNATIONAL SYSTEM (SI) UNITS

Multiply Inch-pound unit	By	To obtain SI unit
	Length	
inch (in.)	25.40	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
	Area	
square mile (mi^2)	2.590	square kilometer (km^2)
	Flow	
cubic foot per second (ft^3/s)	0.02832	cubic meter per second (m^3/s)
million gallons per day (Mgal/d)	0.04381	cubic meter per second (m^3/s)
	Specific Conductance	
micromho per centimeter at 25°C (µmho/cm at 25°C)	1.000	microsiemens per centimeter at 25°C (µS/cm at 25°C)

Temperature conversion formula: $°F = 1.8\,°C + 32$

WATER-QUALITY DATA FOR AQUIFERS IN EAST-CENTRAL NEW JERSEY, 1981-82

By Douglas A. Harriman and Lois M. Voronin

ABSTRACT

Water-quality data are presented in a table for 237 wells representing nine aquifers underlying the Coastal Plain in east-central New Jersey. Approximately two-thirds of these wells are screened in the unconfined Kirkwood-Cohansey aquifer system, which is the principal source of ground water in the study area. The remaining samples were collected from eight aquifers underlying the Kirkwood-Cohansey. In order of increasing depth and age, they are the Rio Grande water-bearing zone, Atlantic City 800 foot sand, Manasquan aquifer, Eocene undifferentiated aquifer, Vincentown aquifer, Wenonah-Mount Laurel aquifer, Englishtown aquifer, and Potomac-Raritan-Magothy aquifer system. In addition, seven local streams were sampled in their headwaters under base flow conditions. Field measurements on water from wells and streams include water temperature, specific conductance, pH, and alkalinity; laboratory determinations include common inorganic ions, nutrients, trace metals, dissolved organic carbon, and volatile organic compounds.

Other tables include lithology and hydrologic characteristics of geologic units, well-construction data, and median and extreme values of constituents in water of the Kirkwood-Cohansey aquifer system. A plate shows all sampling sites and presents three hydrogeologic sections delineating subsurface relationships.

Maximum concentrations of selected constituents in samples from Kirkwood-Cohansey wells were: Chloride, 300 mg/L; sodium, 197 mg/L; nitrate, 10.5 mg/L (0.5 mg/L above the U.S. Environmental Protection Agency Primary Drinking Water Standard); and ammonia, 5.6 mg/L. The pH of water in this aquifer ranged from 4.2 to 9.1.

Iron concentrations in aquifers and streams were variable, ranging from less than the detection limit to 27 mg/L in a sample from the Kirkwood-Cohansey. Of the nine aquifers sampled, only the Vincentown and Englishtown had maximum iron concentrations that were less than 1.0 mg/L. Benzene concentrations in two wells in Dover Township were 6.1 and 2.0 micrograms per liter. Xylene concentrations in five wells ranged from 1.0 to 12.5 micrograms per liter.

INTRODUCTION

The 780-mi^2 study area of this report, also referred to as "the area", is in east-central New Jersey (fig. 1). It includes Ocean County and a narrow belt along southern Monmouth County containing all of the Toms River and Metedeconk River basins and part of the Manasquan River basin.

Since 1950, the population of Ocean County has grown more rapidly than any other county in the State (Disko and others, 1978). Development has increased with population growth. The resulting changes in land use can affect the quality of shallow ground water. Land uses in the area include agriculture, forest, wetland, seaside recreation, park, residential, military, commercial, industrial, and sand and gravel mining.

Ocean County relies on aquifers for all of its potable water (Disko and others, 1978). Disko and others list three major potential sources of ground-water contamination in Ocean County: Septic systems, landfills and disposal sites, and saltwater intrusion. Of particular concern is the shallow water-table aquifer, because it is more vulnerable to contamination by man's activities than are the deeper aquifers. Onsite septic systems are used by about 25 percent of the County's population. The soils in Ocean County are generally sandy, which promotes rapid infiltration and percolation. Well-drained soils such as these may not always be effective in removing bacteria, nutrients, and other materials from septic-tank effluent. Disko and others listed 21 active landfill sites in the County. They also noted saltwater contamination of wells in some coastal areas, including parts of Brick Township, Point Pleasant Beach Borough, and Seaside Heights Borough (pl. 1).

Purpose and Scope

This report presents water-quality data collected during the first phase of a two-phase study by the U.S. Geological Survey in cooperation with the New Jersey Department of Environmental Protection, Division of Water Resources and the Ocean County Planning Board. Included are data on well construction and chemical analyses of water samples from wells and streams. The second phase of this study is an analysis of both the data presented in this report and U.S. Geological Survey ground-water-quality data collected for the area prior to August 1981. The second phase also relates water quality of the shallow aquifer to land use and regional ground-water flow, and includes a plan for a ground-water-quality sampling network.

Of a total of 237 wells sampled from August 1981 through June 1982, 225 are in Ocean County, 11 are in Monmouth County, and 1 is in Burlington County. Four of the wells are outside but close to the study area. Approximately two-thirds of the samples collected were from wells screened in the Kirkwood-Cohansey

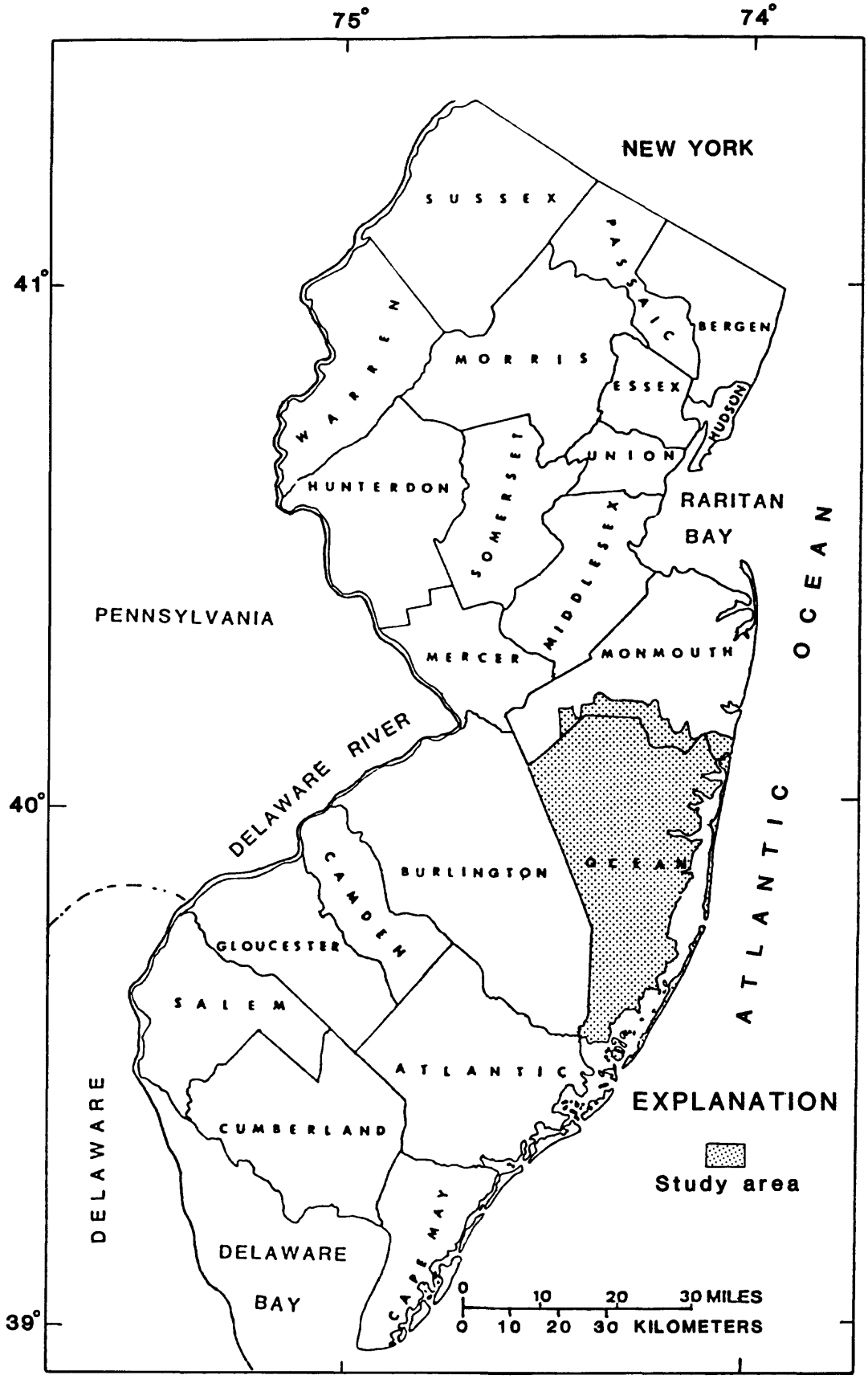

Figure 1.--Location of study area in east-central New Jersey.

aquifer system. Samples were also collected from seven streams to ascertain ground-water quality in selected areas.

Site-Numbering System

The numbering system for wells in this report is the one used by the U.S. Geological Survey in New Jersey for the Ground-Water Site Inventory data base. The first part of the number is a two-digit county code; the second part is a sequence number of the well within the county. County codes used are 29 for Ocean, 25 for Monmouth, and 05 for Burlington. The seven surface-water sites are numbered SW-1 through SW-7.

Acknowledgments

The authors gratefully acknowledge the cooperation of Alan Avery, Principal Planner, Ocean County Planning Board and Joseph Przywara, Environmental Health Coordinator, Ocean County Board of Health. Douglass Rothermel and the staff of the County Board of Health Laboratory analyzed most of the samples collected for this study. Other personnel of the Board of Health assisted in sample collection. The New Jersey Department of Health, Division of Laboratories and Epidemiology performed nutrient analyses for the samples collected in June 1982. The authors also acknowledge the help of municipal officials, industry representatives, and individuals who provided information and permitted access to wells for the collection of water samples.

HYDROGEOLOGIC FRAMEWORK

The ground-water system within the study area is part of a larger one that underlies the entire New Jersey Coastal Plain (O.S. Zapecza, U.S. Geological Survey, written commun., 1983). The Coastal Plain sediments are composed of alternating sequences of unconsolidated gravel, sand, silt, and clay. These sediments range in age from Cretaceous to Quaternary. The Coastal Plain deposits generally strike in a northeast-southwest direction and dip gently to the southeast, forming a seaward-thickening wedge. The wedge is approximately 1,100 feet thick at New Egypt in the northwestern part of the area, and 4,800 feet thick at Tuckerton in the southeastern part (based on hydrogeologic maps by Gill and Farlekas, 1976). In east-central New Jersey, the unconsolidated deposits of the Coastal Plain unconformably overlie bedrock primarily composed of Precambrian metamorphic rocks. The water-table aquifer in the area is the Kirkwood-Cohansey aquifer system, which is composed of hydraulically connected sediments of the Kirkwood Formation, Cohansey Sand, and younger overlying surficial deposits.

Eight aquifers underlying the Kirkwood-Cohansey, in order of increasing depth and age are the Rio Grande water-bearing zone, Atlantic City 800 foot sand, Manasquan aquifer, Eocene undifferentiated aquifer, Vincentown aquifer, Wenonah-Mount Laurel

aquifer, Englishtown aquifer, and Potomac-Raritan-Magothy aquifer system. The geologic formations and their geohydrologic characteristics are given in table 1.

Plate 1 presents hydrogeologic sections showing the stratigraphic relationships between the major aquifers and confining beds. The Kirkwood-Cohansey is the most heavily pumped aquifer in the study area. Major artesian aquifers in the area are the Potomac-Raritan-Magothy, Englishtown, Manasquan, and Atlantic City 800-foot sand which is part of the Kirkwood Formation. Minor artesian aquifers included in this report are the Wenonah-Mount Laurel, Vincentown, and Rio Grande water-bearing zone within the Kirkwood Formation.

SAMPLE COLLECTION AND ANALYSIS

Samples were collected from numerous wells and a few streams. Because emphasis was on the regional ground-water quality, large-capacity wells were sampled if available. These wells draw water from a large volume of an aquifer and therefore are representative of the average quality of ground water in the vicinity (Wood, 1976). Smaller capacity wells were sampled where no major supply wells were available. Observation wells were sampled by use of a portable submersible pump or a peristaltic pump. Water samples were analyzed for the constituents listed in table 2.

Wells were selected to achieve as widespread a distribution as the availability of suitable wells would allow. All of the wells sampled are screened in only one aquifer and have well-construction information available. Wells near landfills or other pollution sources were avoided because they would not typify regional conditions. Well-construction and related data for the sampled wells are listed in table 3.

Seven surface-water sites were sampled during base flow at the headwaters of local streams to ascertain ground-water quality. Base flow consists largely of ground water, and samples of it probably represent larger areas of the water-table than do samples from wells. Care must be taken in interpreting the results, however, because geochemical changes can occur as ground water enters the surface environment. A sample from a stream may also contain soil bacteria, particulate matter, and atmospheric oxygen that were not present in the ground water (Wood, 1976).

Sample-Collection Methods

All samples consisted of raw (untreated) water. Most samples were collected from a tap near the wellhead; a few passed through a pressure tank or small holding tank before collection. Standby, observation, and little-used wells were pumped to withdraw at least two well-casing volumes of water. Stabilization of

Table 1.—Lithology and geohydrologic characteristics of geologic units in study area.[1/]

SYSTEM	SERIES	GEOLOGIC UNIT	LITHOLOGY	GEOHYDROLOGIC CHARACTERISTICS
Quaternary	Holocene	Alluvial deposits	Sand, silt, and black mud.	Locally may yield small quantities of water to shallow wells.
		Beach sand and gravel	Sand, quartz, light-colored, medium-grained, pebbly.	
Tertiary	Miocene	Beacon Hill Gravel.	Gravel, quartz, light-colored, sandy.	No known wells tap this formation.
		Cohansey Sand	Sand, quartz, light-colored, medium- to coarse-grained, pebbly; local clay beds.	A major aquifer, ground-water occurs generally under water-table conditions. Inland from the coast and in the northern part of Ocean County, the Cohansey Sand is in hydraulic connection with the Kirkwood Formation, forming the unconfined Kirkwood-Cohansey aquifer system.
		Kirkwood Formation	Sand, quartz, gray to tan, very fine- to medium-grained, micaceous; and clay, dark-colored, diatomaceous.	Includes a major and minor artesian aquifer near the coast. The major aquifer is the Atlantic City 800-foot sand. The minor aquifer is the Rio Grande water-bearing zone. The Kirkwood Formation includes up to three confining layers near the coast. Inland from the coast and in the northern part of Ocean County, the Kirkwood Formation is hydraulically connected to the unconfined Cohansey Sand, forming the unconfined Kirkwood-Cohansey aquifer system.
	Eocene	Shark River Formation	Sand, quartz; glauconite, gray, brown, and green, fine- to coarse-grained, clayey; and clay, green, silty and sandy.	Locally may yield moderate to large quantities of water to wells.
		Manasquan Formation		
	Paleocene	Vincentown Formation	Sand, quartz, gray and green, fine-to coarse-grained, glauconitic, and quartz calcarenite, brown, clayey, very fossiliferous, glauconitic.	Locally may yield small to moderate quanties of water to wells.
		Hornerstown Sand	Sand, glauconite, green, medium- to coarse-grained, clayey.	Locally may yield small quantities of water to wells.
Cretaceous	Upper Cretaceous	Red Bank Sand	Sand, quartz and glauconite, brown and gray, fine- to coarse-grained, clayey, micaceous.	Yields small quantities of water to wells in Monmouth County.
		Navesink Formation	Sand, quartz, and glauconite, green, black, and brown, medium- to coarse-grained, clayey.	Locally may yield small quantities of water to wells.
		Mount Laurel Sand	Sand, quartz, brown and gray, fine- to coarse-grained, glauconitic.	A minor aquifer in the study area. A sand unit within the two formations forms the Wenonah-Mount Laurel aquifer.
		Wenonah Formation	Sand, quartz, gray and brown, very fine- to fine-grained, glauconitic, micaceous.	
		Marshalltown Formation	Sand, quartz and glauconite, gray and black, very fine- to medium-grained, very clayey.	A leaky confining bed.
		Englishtown Formation	Sand, quartz, tan and gray, fine- to medium-grained; local clay beds.	A major aquifer in the northern part of the Coastal Plain, the Englishtown aquifer contains two sand units in Ocean and Monmouth Counties.
		Woodbury Clay	Clay, gray and black, micaceous.	The two formations form the Merchantville-Woodbury confining unit, a major confining layer throughout the New Jersey Coastal Plain.
		Merchantville Formation	Clay, gray and black, micaceous, glauconitic, silty; locally very fine-grained quartz and glauconitic sand.	
		Magothy Formation	Sand, quartz, light-gray, fine-grained, and clay, dark-gray, lignitic.	Major aquifers in the study area. In this report the aquifers are combined to form the Potomac-Raritan-Magothy aquifer system.
		Raritan Formation	Sand, quartz, light-gray, fine- to coarse-grained, pebbly, arkosic, red, white; and variegated clay.	
	Lower Cretaceous	Potomac Group	Alternating clay, silt, sand, and gravel.	
Pre-Cretaceous		Pre-Cretaceous basement complex	Precambrian and lower Paleozoic crystalline rocks, metamorphic schist and gneiss; locally Triassic basalt, sandstone, and shale.	No known wells in the study area obtain water from these consolidated rocks.

[1/] Modified after Walker, 1983, table 1.

Table 2.--Minimum detection limits for chemical constituents.
[A pair of dashes indicates that constituent was not determined.]

Constituent	Laboratory detection limits (mg/L)			
	Ocean County[1]	USGS[2]		NJDOH[3]
Sampling period:	10/81-5/82	8/81-9/81	6/82	6/82
Dissolved solids[4]	1[6]	1	1	--
Ammonia as N	.05	.01	--	--
Nitrite as N	.01[6]	.01	--	.003
Ammonia + organic N as N	.05	--	--	.05
Nitrate + nitrite as N	.01	.1	--	.05
Phosphorus as P	.01	--	--	--
Orthophosphate as P	.01	.01	--	.01
Carbon, organic (DOC)[5]	--	.3	.3	--
Calcium	.01	.02	.1	--
Magnesium	.001	.01	.1	--
Sodium	.01	.2	.1	--
Potassium	.01	.1	.1	--
Chloride	1	.1	.1	--
Sulfate	1	5.0	5.0	--
Silica as SiO_2	--	.01	.1	--
Barium	.1	.002	--	--
Beryllium	.005	.0005	--	--
Cadmium	.005	.001	.001	--
Chromium	.05	.001	.01	--
Copper	.02	.01	.001	--
Iron	.03	.003	.01	--
Lead	.1	.01	.001	--
Manganese	.01	.001	.01	--
Silver	.01	--	--	--
Strontium	--	.0005	--	--
Zinc	.005	.003	.01	--
Benzene	.001	.001	.001	--
1,1-Dichloroethylene	--	.001	.001	--
1,2-trans-Dichloroethylene	--	.001	.001	--
Ethylbenzene	.001	.001	.001	--
Tetrachloroethylene	--	.001	.001	--
Toluene	.001	.001	.001	--
Xylenes	.001	--	--	--
1,1,1-Trichloroethane	--	.001	.001	--
Trichloroethylene	--	.001	.001	--
Chloroform	--	.001	.001	--
Carbon tetrachloride	--	.001	.001	--
Methylene chloride	--	.001	.001	--

[1] Ocean County - Ocean County Board of Health Laboratory.
[2] USGS - U.S. Geological Survey National Water Quality Laboratory.
[3] NJDOH - New Jersey Department of Health Laboratory.
[4] Residue on evaporation at 180°C.
[5] Dissolved organic carbon (DOC) determinations for all sampling periods (10/81 through 6/82) were performed by the U.S. Geological Survey Laboratory.
[6] Prior to December 23, 1981 the detection limit was .1 mg/L.

water temperature, specific conductance, and pH at these wells was a prerequisite for sample collection.

Ground-water samples were collected, processed, and preserved according to methods described in Brown and others (1970), Goerlitz and Brown (1972), and Wood (1976). Field measurements at wells included water temperature, specific conductance, pH, and alkalinity.

Stream samples were collected using standard surface-water-quality techniques as outlined by Guy and Norman (1970). The small size of the streams (instantaneous discharge ranged from 0.01 to 1.63 ft^3/s) enabled the collection of representative samples from a single point at the center of flow. Field measurements at these sites included water temperature, specific conductance, pH, alkalinity, dissolved oxygen, and instantaneous discharge.

Laboratory Analysis

The Ocean County Board of Health Laboratory in Toms River (County Laboratory), the New Jersey Department of Health Laboratory in Trenton (State Laboratory), and the U.S. Geological Survey National Water Quality Laboratory in Doraville, Georgia (U.S. Geological Survey Laboratory) analyzed the samples. Table 2 lists the detection limits for each laboratory.

The County Laboratory analyzed samples from 197 wells and all 7 of the surface-water sites. A quality-assurance program was conducted for this Laboratory based on the methods described by Friedman and Erdmann (1982). The U.S. Geological Survey conducts a quality-assurance program for its own laboratory, and requires such a program when its analyses are made by a non-U.S. Geological Survey laboratory.

Cations other than ammonia were determined by direct aspiration using an Instrument Laboratories Model 551 atomic absorption spectrometer[1], according to methods described by the U.S. Environmental Protection Agency (1979a). U.S. Environmental Protection Agency methods were also used to determine ammonia, nitrite, and nitrate-plus-nitrite. Ammonia was determined using a distillation procedure, nitrite using a spectrophotometric method, and nitrate-plus-nitrite using the manual cadmium reduction spectrophotometric method.

Chloride, sulfate, phosphate, orthophosphate, and dissolved solids (residue on evaporation at 180°C) were determined using methods described by the American Public Health Association and others (1976). Chloride was determined by the mercuric nitrate

[1]Use of a manufacturer's or brand name in this report is for identification purposes only and does not constitute endorsement by the U.S. Geological Survey.

method, sulfate by the turbidimetric method, phosphate by persulfate digestion followed by ascorbic acid colorimetry, and orthophosphate by ascorbic acid colorimetry.

Benzene, ethylbenzene, toluene, and xylenes were determined by the County Laboratory using a method similar to U.S. Environmental Protection Agency method 602 (Longbottom and Lichtenberg, 1982). One modification was the omission of the second chromatographic column which is used for compound identification. A second modification was the use of a flame ionization detector instead of a photometric ionization detector. Because flame ionization detectors are less sensitive to aromatic hydrocarbons, the limit of detection for the four compounds was approximately 0.001 mg/L (See table 2.) rather than the 0.0002 mg/L given in method 602. Xylene, not included in method 602, is an aromatic hydrocarbon which exists in three isomeric forms, but is reported as a single composite value by the Laboratory.

Samples from 42 wells were analyzed by the U.S. Geological Survey Laboratory according to procedures described by Skougstad and others (1979). Samples from 11 of these wells were collected for volatile organic compound (VOC) analysis. The VOC scan was made using a gas chromatography-mass spectrometry method similar to that described in U.S. Environmental Protection Agency method 624 (Longbottom and Lichtenberg, 1982). The 10 VOC's included in the scan were: benzene, 1,1-dichloroethylene, 1,2-trans-dichloroethylene, tetrachloroethylene, toluene, 1,1,1-trichloroethane, trichloroethylene, chloroform, carbon tetrachloride, and methylene chloride.

The State Laboratory determined nitrite, nitrate-plus-nitrite, organic nitrogen-plus-ammonia, and orthophosphate in seven samples collected in June 1982. These samples were analyzed according to the methods of the U.S. Environmental Protection Agency (1979a). The U.S. Geological Survey has a cooperative agreement with this Laboratory, and check samples are routinely submitted for quality assurance.

Data-checking procedures described by Hem (1970) and Skougstad and others (1979) were used by the U.S. Geological Survey to verify the accuracy of chemical analyses. These included calculations of cation-anion balance, ratio of dissolved solids to specific conductance, difference between dissolved solids and a calculated sum of constituents, and difference between field and laboratory values for specific conductance and pH.

WATER-QUALITY DATA

Table 4 presents ground-water-quality analyses sorted by county and aquifer. Water-quality analyses for the streams are given in table 5. Much of the nutrient and trace metal data in the

tables is at or below the detection limit for the analytical method employed. Accordingly, constituents not detected in a sample are reported at the value of the detection limit, preceded by a "less-than" symbol (<). Because of differences in detection limits (refer to table 2), as many as three different "less-than" values may be reported in table 4 for the same constituent.

Iron concentrations in water from each aquifer were generally high and variable. Of the nine aquifers sampled, only the Vincentown and Englishtown had maximum iron concentations below 1.0 mg/L. The U.S. Environmental Protection Agency (1979b) Secondary Drinking Water Standard for iron is 0.3 mg/L.

The highest dissolved iron concentration was 27 mg/L, measured in water from the Lakehurst Naval Air Station Well 15-57, (well 29-122). This well is screened in the Kirkwood-Cohansey aquifer system. The highest dissolved iron concentration in a stream was 4.9 mg/L at Tunes Branch Tributary near Silverton (site SW-4). The lowest dissolved iron concentration in a stream was 0.1 mg/L, at Gravelly Run near Greenville (site SW-1).

Lead was detected in eight wells. The highest concentration was 0.013 mg/L. Lead determinations for these wells were made by the USGS Laboratory. Because the County Laboratory's detection limit for lead was 0.1 mg/L, it is not known if any of the samples analyzed by this Laboratory exceeded the U.S. Environmental Protection Agency (1976) Primary Drinking Water Standard of 0.05 mg/L.

Table 4 also lists analyses for selected VOCs in two general groups: (1) the short VOC scan refers to the four compounds in the County Laboratory scan, (2) the long VOC scan refers to the ten compounds in the USGS Laboratory scan. A VOC concentration higher than the detection limit was found in only 1 of the 11 wells analyzed in the long scan. This was benzene, detected at a concentration of 6.1 µg/L in water from the seldom-used Toms River Water Company Well 21 (well 29-58). A second sample confirmed the presence of benzene. Toms River Water Company conducted follow-up sampling and concluded that the trace concentrations of benzene in the water were due to leakage of lubricating oil from the pump (E.A. Hughmanic, Toms River Water Company, written commun., 1982).

Of the 131 well-water samples examined for VOCs by the County Laboratory using the short scan, 6 had concentrations above the detection limit of 1 µg/L. The compounds detected and their maximum concentrations were xylenes (12.5 µg/L), benzene (2.0 µg/L), and toluene (2.0 µg/L).

Table 6 is a statistical summary of selected water-quality data for the Kirkwood-Cohansey aquifer system. The range in concentration of constituents in water from this aquifer was wider than in water from the confined aquifers.

Table 6.--Statistical summary of selected water-quality data for the Kirkwood-Cohansey aquifer system.

[Concentrations are in mg/L]

Water-Quality Characteristic	Number of Samples	Minimum	Median	Maximum
FIELD MEASUREMENTS:				
Temperature (°C)	162	8.0	13.0	17.0
Specific Conductance[1]	161	18	58	1,030
pH (units)	160	4.2	5.4	9.1
Alkalinity as $CaCO_3$	157	0	4	64
DISSOLVED NUTRIENTS:				
Ammonia as N	150	<.01	<.05	5.6
Organic N + Ammonia, as N	134	<.05	.14	5.6
Nitrate + Nitrite, as N	151	<.01	.09	10.5
Phosphorous as P	133	<.01	<.01	.72
Orthophosphate as P	148	<.01	<.01	.72
DISSOLVED COMMON CONSTITUENTS:				
Calcium	158	.2	.82	59
Magnesium	158	.2	.497	25
Sodium	159	.6	4.34	197
Potassium	158	.1	.83	5.6
Chloride	160	1.1	6.0	300
Sulfate	161	.1	3.8	30
Silica	24	4.4	11	24
Dissolved Solids[2]	141	9	42	569
DISSOLVED TRACE METALS:				
Barium	54	<.002	<.1	.4
Beryllium	154	<.001	<.005	.007
Cadmium	161	<.001	<.05	.006
Chromium	155	<.001	<.05	<.05
Copper	157	<.002	<.02	.68
Iron	161	.016	.28	27
Lead	160	<.001	<.1	<.1
Manganese	161	<.005	.014	.48
Silver	137	<.01	<.01	.01
Strontium	17	<.001	.016	.36
Zinc	147	<.005	.02	1.6
ORGANIC COMPOUNDS:				
Dissolved Organic Carbon	157	<.2	.6	4.8
Total Benzene	142	<.001	<.001	.0061
Total Ethylbenzene	132	<.001	<.001	<.001
Total Toluene	132	<.001	<.001	.002
Total Xylenes	132	<.001	<.001	.0125

[1] Micromhos per centimeter at 25°C
[2] Residue on evaporation at 180°C

Of the 162 Kirkwood-Cohansey wells sampled, Brick Township Well 5 (well 29-726) was highest in chloride (300 mg/L) and sodium (197 mg/L) concentration, and had the highest specific conductance (1030 micromhos/cm). This well is located near Forge Pond. Disko and others (1978) indicate that the flow of salty water into and out of Forge Pond with the tides is responsible for wide fluctuations in chloride levels in nearby wells screened in the water-table aquifer.

A nitrate concentration of 10.5 mg/L determined in the Berkeley Township Central Regional High School Well (well 29-738) was slightly above the USEPA Primary Drinking Water Standard of 10 mg/L. Ammonia was found at a concentration of 5.60 mg/L at the Reade Manufacturing 1981 Well (well 29-708) and 3.06 mg/L at the Fair Oaks South School Well (well 29-675).

SELECTED REFERENCES

American Public Health Association and others, 1976, Standard methods for the examination of water and wastewater (14th ed.): Washington, D.C., American Public Health Association, 1193 p.

Anderson, H. R., and Appel, C. A., 1969, Geology and ground-water resources of Ocean County, New Jersey: New Jersey Department of Conservation and Economic Development, Division of Water Policy and Supply Special Report 29, 93 p.

Back, William, 1966, Hydrochemical facies and ground-water flow patterns in the northern part of Atlantic Coastal Plain: U.S. Geological Survey Professional Paper 498-A, p. A1-A42.

Brown, Eugene, Skougstad, M.W., and Fishman, M.J., 1970, Methods for collection and analysis of water samples for dissolved minerals and gases: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A1, 160 p.

Disko, Michael, Nusser, Donald, and Doheney, Edward, 1978, Ground-water management planning: report prepared for Ocean County 208 Water Quality Management Planning by M. Disko Associates, Union, New Jersey, 410 p.

Friedman, L. C. and Erdmann, D. E., 1982, Quality assurance practices for the chemical and biological analyses of water and fluvial sediments: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A6, 181 p.

Fusillo, T. V., Schornick, J. C., Jr., Koester, H. E., and Harriman, D. A., 1980, Investigation of acidity and other water-quality characteristics of upper Oyster Creek, Ocean County, New Jersey: U.S. Geological Survey Water-Resources Investigations 80-10, 30 p.

Gill, H. E., and Farlekas, G. M., 1976, Geohydrologic maps of the Potomac-Raritan-Magothy aquifer system in the New Jersey Coastal Plain: U.S. Geological Survey Hydrologic Investigations Atlas, HA-557, two sheets.

Goerlitz, D. F., and Brown, Eugene, 1972, Methods for analysis of organic substances in water: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A3, 40 p.

Guy, H. P., and Norman, V. W., 1970, Field methods for measurement of fluvial sediment: U.S. Geological Survey Techniques of Water-Resources Investigations Book 3, Chapter C2, 59 p.

Hem, J. D., 1970, Study and interpretation of the chemical characteristics of natural water, (2nd ed.): U.S. Geological Survey Water-Supply Paper 1473, 363 p.

SELECTED REFERENCES--Continued

Jablonski, L. A., 1968, Ground-water resources of Monmouth County, New Jersey: New Jersey Department of Conservation and Economic Development, Division of Water Policy and Supply Special Report 23, 117 p.

Kam, William, 1978, Effect of controlled land application of sludge on ground-water quality, Ocean County, New Jersey: U.S. Geological Survey Open-File Report 78-492, 87 p.

Langmuir, Donald, 1969, Iron in ground waters of the Magothy and Raritan Formations in Camden and Burlington Counties, New Jersey: New Jersey Department of Conservation and Economic Development, Division of Water Policy and Supply Water Resources Circular 19, 49 p.

Longbottom, J. E. and Lichtenberg, J. J., eds., 1982, Methods for organic chemical analysis of municipal and industrial wastewater: U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, Ohio, EPA-600/4-82-057, July 1982.

Nemickas, Bronius, 1976, Digital-simulation model of the Wenonah-Mount Laurel aquifer in the Coastal Plain of New Jersey: U.S. Geological Survey Open-File Report 75-672, 42 p.

Nichols, W. D., 1977, Geohydrology of the Englishtown Formation in the northern Coastal Plain of New Jersey: U.S. Geological Survey Water-Resources Investigations 76-123, 62 p.

Rhodehamel, E. C., 1970, A hydrologic analysis of the New Jersey Pine Barrens region: New Jersey Department of Environmental Protection Water Resources Circular 22, 35 p.

_____, 1973, Geology and water resources of the Wharton Tract and the Mullica River basin in southern New Jersey: New Jersey Department of Environmental Protection, Division of Water Resources Special Report 36, 58 p.

Seaber, P. R., 1962, Cation hydrochemical facies of ground water in the Englishtown Formation, New Jersey: U.S. Geological Survey Professional Paper 450-B, p. B124-B126.

_____, 1965, Variations in chemical character of water in the Englishtown Formation, New Jersey: U.S. Geological Survey Professional Paper 498-B, p. B1-B35.

Skougstad, N. W., Fishman, M. J., Friedman, L. C., Erdmann, D. E., and Duncan, S. S., 1979, Methods for determination of inorganic substances in water and fluvial sediments: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A1, 626 p.

Tucker, R. K., 1981, Groundwater quality in New Jersey, an investigation of toxic contaminants: New Jersey Department of Environmental Protection, Office of Cancer and Toxic Substances Research, March, 1981, 60 p.

U.S. Environmental Protection Agency, 1976, National interim primary drinking water regulations: U.S. Environmental Protection Agency, Office of Water Supply, Washington, D.C., EPA-570/9-76-003, 159 p.

_____, 1979a, Methods for chemical analysis of water and wastes: U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Office of Research and Development, Cincinnati, OH, 460 p.

_____, 1979b, National interim secondary drinking water regulations: Federal Register, Volume 44, No. 140, Thursday, July 19, 1979, Rules and Regulations, p. 4219.

Vowinkel, E. F., and Foster, W. K., 1981, Hydrogeologic conditions in the Coastal Plain of New Jersey: U.S. Geological Survey Open-File Report 81-405, 39 p.

Walker, R. L., 1983, Evaluation of water levels in the major aquifers of the New Jersey Coastal Plain, 1978: U.S. Geological Survey Water-Resources Investigations 82-4077, 56 p.

Wood, W. W., 1976, Guidelines for collection and field analysis of ground-water samples for selected unstable constituents: U.S. Geological Survey Techniques of Water-Resources Investigations Book 1, Chapter D-2, 24 p.

Zapecza, O. S., 1984, Hydrologic framework of the New Jersey Coastal Plain: U.S. Geological Survey Open-File Report 84-730, in press.

GLOSSARY

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer, tapped by the well. A flowing artesian well is one in which the water level is above land surface.

Artesian aquifer is an aquifer containing water under sufficient pressure to rise above the top of the aquifer when penetrated by a well; also called confined aquifer.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Cubic foot per second (ft^3/s) is the rate of discharge representing a volume of one cubic foot passing a given point during one second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Confining bed is a body of relatively impermeable material stratigraphically adjacent to one or more aquifers. The hydraulic conductivity may range from nearly zero to some value distinctly lower than that of the aquifer.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved is that material in a representative water sample which passes through a 0.45 µm membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Land-surface datum (LSD) is a datum plane approximately at the land surface at a well. Screen settings listed in table 3 are measured with reference to land-surface datum.

Micrograms per liter (µg/L) is a unit expressing the concentration chemical constituents in solution as weight (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (mg/L) is a unit for expressing the concentration of chemical constituents in solution by weight per unit volume of water.

Minimum detection limit, for a given type of sample and analytical procedure, is that concentration below which the presence of the constituent being analyzed cannot be verified. In this report the minimum detection limits are listed in table 2, and can be identified in tables 4, 5 and 6 where a less than (<) symbol precedes a value.

Nutrients, as used in this report, refer to one or more of the following water-quality constituents: ammonia, organic nitrogen plus ammonia, nitrite, nitrate-plus-nitrite, phosphorus, and orthophosphate.

Specific conductance is a measure of the ability of a water to conduct an electrical current, and is expressed in micromho per centimeter (microsiemens per centimeter) at 25°C.

Volatile organic compounds (VOC's) are a group of organic substances which can be stripped from a water sample via the injection of an inert gas prior to analysis by gas chromatography. By definition these compounds are less than two percent soluble in water and have boiling points below 150°C.

Water table is the upper surface of water (at atmospheric pressure) in an unconfined aquifer. It is the level at which water stands in wells that penetrate the uppermost part of an unconfined aquifer.

TABLE 3.--RECORDS OF SELECTED WELLS.

WELL NUMBER	LOCAL WELL IDENTIFIER	MUNICIPALITY	ALTITUDE OF LAND SURFACE (FT ABOVE SEA LEVEL)	SCREEN SETTING (FT BELOW LSD)[1]	SCREEN DIAMETER (IN.)	YEAR COMPLETED	AQUIFER UNIT[2]	USE OF SITE[3]	USE OF WATER[4]
			BURLINGTON COUNTY						
5- 344	HOFFMAN-LA ROCHE CO 1974	NORTH HANOVER TWP	136	783- 814**	8	1974	211MRPA	W	N
			MONMOUTH COUNTY						
25- 13	†AVON-BY-THE-SEA WD 4	AVON-BY-THE-SEA B	29	1105-1165	10	1974	211MRPA	W	P
25- 29	BRIELLE BORO WD 1	BRIELLE BORO	35	130- 150	12	1936	121CKKD	W	P
25- 30	BRIELLE BORO WD 2	BRIELLE BORO	33	690- 750	12	1950	211EGLS	W	P
25- 161	HOWELL TWP BD ED-KENT RD	HOWELL TWP	110	558- 582	6	1955	211EGLS	W	T
25- 164	ALDRICH W CO 1	HOWELL TWP	125	349- 370	10	1956	211MLRW	W	P
25- 504	YMCA - SHORE AREA	WALL TWP	60	41- 47	4	1973	121CKKD	W	H
25- 505	BENNETT SAND & GRAVEL CO	WALL TWP	100	118- 138	10	1959	121CKKD	W	N
25- 506	MANASQUAN RIVER GOLF CRS	BRIELLE BORO	10	118- 138	8	1963	121CKKD	W	I
25- 507	EX-CEL WOOD PRODUCTS	HOWELL TWP	130	219- 235	4	1963	125VNCN	W	N
25- 508	OSBORNE POULTRY FARM	HOWELL TWP	135	140- 195	4	1971	211MLRW	W	P
25- 510	GSP HERBERTSVILLE 1-61	WALL TWP	80	41- 52	4	1961	121CKKD	W	H
25- 511	ALDRICH WC 3A	HOWELL	110	140- 195	4	1971	125VNCN	W	P
			OCEAN COUNTY						
29- 6	NJWC OCEAN CO BAYHEAD 6	BAY HEAD BORO	10	778- 818	8	1950	211EGLS	W	P
29- 12	BEACH HAVEN BORO WD 7	BEACH HAVEN BORO	5	544- 668**	10	1940	122KRKDL	W	P
29- 13	BEACHWOOD BORO WD 4	BEACHWOOD BORO	60	67- 99	8	1963	121CKKD	W	P
29- 22	SHORE WATER CO 1	BERKELEY TWP	10	175- 200	10	1954	121CKKD	W	P
29- 36	BRICK TWP BD ED HS	BRICK TWP	20	518- 548	8	1970	211MLRW	W	T
29- 45	BRICK TWP MUA 9-73	BRICK TWP	8	1441-1779**	12	1973	211MRPA	W	P
29- 55	TOMS RIVER WC 17	DOVER TWP	20	45- 55	12	1965	121CKKD	W	P
29- 58	TOMS RIVER WC 21	DOVER TWP	10	46- 56	12	1968	121CKKD	W	P
29- 70	†NJWC OCEAN CO MONTEREY 1	DOVER TWP	5	1375-1495	8	1967	211MRPA	W	P
29- 80	OCEAN CO COLLEGE 2-70	DOVER TWP	20	66- 80	6	1970	121CKKD	W	T
29- 85	†TOMS RIVER CHEM 84 OBS	DOVER TWP	67	1460-1480		1968	211MRPA	O	U
29- 88	TOMS RIVER WC 20	DOVER TWP	40	66- 86	12	1966	121CKKD	W	P
29- 97	TOMS R WC-DUGANS 22	DOVER TWP	80	106- 126	12	1970	121CKKD	W	P
29- 100	NJWC OCEAN CO NORMANDY 3	DOVER TWP	8	1428-1479	4	1954	211MRPA	W	P
29- 111	HARVEY CEDARS BORO WD 4	HARVY CEDARS BORO	5	465- 500	8	1968	122KRKDL	W	P
29- 115	ISLAND HTS BORO WD 8	ISL HGTS BORO	12	115- 292	8	1963	124MNSQ	W	P
29- 118	LAKEHURST NAS 32-64	JACKSON TWP	90	1583*		1964	211MRPA	W	N
29- 121	LAKEHURST NAS 26-60	JACKSON TWP	90	74*		1960	121CKKD	W	P
29- 122	LAKEHURST NAS 15-57	JACKSON TWP	85	71*		1957	121CKKD	W	F
29- 123	LAKEHURST NAS 4-42	JACKSON TWP	95	60- 80	10	1942	121CKKD	W	P
29- 126	LAKEHURST NAS 19-57	JACKSON TWP	100	45*		1957	121CKKD	W	P
29- 138	USGS-COLLIERS MILLS TW1	JACKSON TWP	137	417- 427	6	1964	211EGLS	O	U
29- 139	USGS-COLLIERS MILLS TW 2	JACKSON TWP	136	164- 174	6	1964	125VNCN	O	U
29- 140	USGS-COLLIERS MILLS TW 3	JACKSON TWP	135	260- 270	6	1964	211MLRW	O	U
29- 141	USGS-COLLIERS MILLS TW 4	JACKSON TWP	135	46- 71	6	1964	121CKKD	O	U
29- 225	S WIND MOB H V OLMS 1-69	JACKSON TWP	92	343- 373	6	1969	211MLRW	W	T
29- 228	JACKSON TWP MUA 3	JACKSON TWP	140	513- 559	10	1962	211EGLS	W	P
29- 229	JACKSON TWP MUA 1	JACKSON TWP	110	511- 557	8	1961	211EGLS	W	P
29- 230	ST VLADIMIR CEM	JACKSON TWP	150	85- 100	8	1964	121CKKD	W	I
29- 234	GREAT ADVENT ANIMAL CARE	JACKSON TWP	175	180- 200	6	1974	211MLRW	W	S
29- 236	JACKSON TWP MUA 2	JACKSON TWP	156	541- 577	8	1962	211EGLS	W	P
29- 237	GREAT ADVENT ELEPHNT HSE	JACKSON TWP	140	358- 388**	6	1974	211EGLS	W	S
29- 238	†GREAT ADVENTURE PROD 1-74	JACKSON TWP	130	584- 648	8	1974	211MRPA	W	P
29- 240	JACKSON TWP MUA 5-72	JACKSON TWP	75	131- 191	12	1972	125VNCN	W	P
29- 425	USGS-WEBBS MILLS OBS 2	LACEY TWP	128	348*		1962	124MNSQ	O	U
29- 428	LAKEHURST WD 1R	LAKEHURST BORO	64	26- 36	10	1954	121CKKD	W	P
29- 431	LAKEWOOD TWP MUA 2	LAKEWOOD TWP	40	680- 762**	8	1963	211EGLS	W	P
29- 432	LAKEWOOD TWP MUA 6	LAKEWOOD TWP	25	40- 60	8	1971	121CKKD	W	P
29- 433	LAKEWOOD TWP MUA 3	LAKEWOOD TWP	45	741*		1966	211EGLS	W	P
29- 434	NJWC LAKEWOOD DIV 7	LAKEWOOD TWP	85	697- 757	8	1964	211EGLS	W	P
29- 440	NJWC LAKEWOOD DIV 10	LAKEWOOD TWP	72	1357-1602**	12	1972	211MRPA	W	P
29- 449	NJWC LAKEWOOD DIV 9	LAKEWOOD TWP	55	569- 698	8	1968	211EGLS	W	P
29- 450	NJWC LAKEWOOD DIV 6	LAKEWOOD TWP	70	520- 582	8	1960	211EGLS	W	P
29- 453	LAVALLETTE BORO WD 4	LAVALLETTE BORO	5	1358-1515	8	1960	211MRPA	W	P
29- 454	LAVALLETTE BORO WD 2	LAVALLETTE BORO	5	1009-1136	6	1931	211EGLS	W	P
29- 457	†LONG BEACH WC TERRACE 3	LONG BEACH TWP	8	465- 650	10	1970	122KRKDL	W	P
29- 459	LONG BEACH WC-TERRACE 2	LONG BEACH TWP	5	523- 577	6	1949	122KRKDL	W	P
29- 461	LONG BEACH WC-BRANT 1	LONG BEACH TWP	9	534- 615	6	1946	122KRKDL	W	P
29- 462	L EGG HARB MUA-MYSTIC 3	LTTLE EGG HRB TWP	8	509- 553	8	1969	122KRKDL	W	P
29- 464	L EGG HARB MUA-MYSTIC 2	LTTLE EGG HRB TWP	25	485- 542	8	1963	122KRKDL	W	P
29- 465	L EGG HARB MUA-HOLLY LK	LTTLE EGG HRB TWP	20	308- 329	6	1956	122KRKDU	W	P
29- 483	CRESTWOOD VIL WC 1-65	MANCHESTER TWP	115	122- 155	9	1965	121CKKD	W	P
29- 487	CRESTWOOD VIL WC 3-72	MANCHESTER TWP	180	61- 92	8	1972	121CKKD	W	P
29- 488	CEDAR GLEN LAKES WC 1-70	MANCHESTER TWP	170	123- 143	8	1970	121CKKD	W	P
29- 489	CEDAR GLEN LAKES WC 2-72	MANCHESTER TWP	150	140- 175	10	1972	121CKKD	W	P
29- 490	AM SMELT AND REF CO 2-72	MANCHESTER TWP	89	1436-1636	12	1972	211MRPA	W	N

TABLE 3.--RECORDS OF SELECTED WELLS--Continued.

WELL NUMBER	LOCAL WELL IDENTIFIER	MUNICIPALITY	ALTITUDE OF LAND SURFACE (FT ABOVE SEA LEVEL)	SCREEN SETTING (FT BELOW LSD)[1]	SCREEN DIAMETER (IN.)	YEAR COMPLETED	AQUIFER UNIT[2]	USE OF SITE[3]	USE OF WATER[4]
			OCEAN COUNTY						
29- 493	PINE ACRES TRLR PK 2-71	MANCHESTER TWP	82	77- 101	8	1971	121CKKD	W	P
29- 494	AMER GRAPHITE CO 1970	MANCHESTER TWP	60	53- 81	8	1970	121CKKD	W	F
29- 500	CEDAR GLEN WEST 1	MANCHESTER TWP	95	53- 67	6	1965	121CKKD	W	P
29- 502	CEDAR GLEN WEST 2-66	MANCHESTER TWP	105	82- 117	8	1966	121CKKD	W	P
29- 508	OCEAN GATE BORO WD 3	OCEAN GATE BORO	10	133- 153	10	1959	121CKKD	W	P
29- 512	OCEAN TWP MUA 1-60	OCEAN TWP	5	140- 160	8	1960	121CKKD	W	P
29- 513	USGS-GARDEN ST PKWY OBS1	OCEAN TWP	44	21*	6	1962	121CKKD	O	U
29- 514	USGS-GARDEN ST PKWY OBS2	OCEAN TWP	43	317*	1	1962	121CKKD	O	U
29- 515	PINE BEACH WATER UTIL 1	PINE BEACH BORO	30	135- 197	8	1963	121CKKD	W	P
29- 519	NEW EGYPT WC 1-1907	PLUMSTED TWP	65	214- 239	6	1907	211EGLS	W	P
29- 521	PT PLEAS BCH BORO WD 9	PT PLEASANT BEACH	5	96- 134**	12	1949	121CKKD	W	P
29- 523	PT PLEAS BCH BORO WD 10	PT PLEASANT BEACH	5	87- 130**	12	1966	121CKKD	W	P
29- 530	PT PLEASANT BORO WD 6	PT PLSNT BORO	20	730- 790	8	1965	211EGLS	W	P
29- 531	PT PLEASANT BORO WD 5	PT PLSNT BORO	18	1256-1342	10	1960	211MRPA	W	P
29- 533	PT PLEASANT BORO WD 4	PT PLSNT BORO	7	45- 75		1952	121CKKD	W	P
29- 537	SEASIDE HTS BORO WD 2	SEASIDE HGTS BORO	4	400- 430	6	1941	124MNSQ	W	P
29- 538	SEASIDE HTS BORO WD 1R	SEASIDE HGTS BORO	5	144- 175	12	1963	121CKKD	W	P
29- 541	SEASIDE PARK BORO WD 2	SEASIDE PARK BORO	10	525*	10	1947	124MNSQ	W	P
29- 544	SHIP BOTTOM BORO WD 4	SHIP BOTTOM BORO	5	536- 578	10	1953	122KRKDL	W	P
29- 547	†SHIP BOTTOM WD TEST 1973	SHIP BOTTOM BORO	7	1001*		1973	124MNSQ	T	U
29- 553	TONNESON, EDWARD	STAFFORD TWP	5	280*		1925	121CKKD	W	C
29- 554	STAFFORD WC 2	STAFFORD TWP	5	219- 234	4	1957	121CKKD	W	P
29- 555	OCEAN CO UTL AUTH 1-75	STAFFORD TWP	15	120- 140	10	1975	121CKKD	W	N
29- 557	STAFFORD WC 3	STAFFORD TWP	8	385- 428	10	1965	122KRKDL	W	P
29- 560	SURF CITY BORO WD 4	SURF CITY BORO	5	514- 554	8	1964	122KRKDL	W	P
29- 565	TUCKERTON MUA 1-64	TUCKERTON BORO	10	460- 497	6	1949	122KRKDL	W	P
29- 566	BARNEGAT WC FLOWING 1	BARNEGAT TWP	33	135- 155	6	1887	121CKKD		U
29- 569	BARNEGAT WC 3-72	BARNEGAT TWP	120	190- 252	12	1972	121CKKD	W	P
29- 571	PINEWOOD ESTATES 1-64	BARNEGAT TWP	150	126- 146	6	1964	121CKKD	W	P
29- 575	†JACKSON TWP MUA 9	JACKSON TWP	134	1276-1430		1978	211MRPA	W	P
29- 576	JACKSON TWP MUA 8	JACKSON TWP	140	1276-1462		1977	211MRPA	W	P
29- 578	BEACHWOOD BORO WD 5-75	BEACHWOOD BORO	60	208- 248**	12	1975	121CKKD	W	P
29- 581	JACKSON TWP MUA 10-77	JACKSON TWP	130	876- 976**		1977	211MRPA	W	P
29- 583	†BARNEGAT LT WD TEST 1978	BARNEGAT LT BORO	5	639*		1978	124MNSQ	T	U
29- 588	LAKEWOOD TWP MUA 7	LAKEWOOD TWP	30	1410-1620**	26	1978	211MRPA	W	P
29- 594	OCEAN TWP MUA 4-78	OCEAN TWP	15	125- 150	10	1978	121CKKD	W	P
29- 596	MANCHESTER TWP MUA 3	MANCHESTER TWP	55	62- 85	16	1979	121CKKD	W	P
29- 597	TUCKTN MUA5-79(TMUA2-79)	TUCKERTON BORO	25	598*		1979	122KRKDL	W	P
29- 607	BARNEGAT LT BORO WD 4-80	BARNEGAT LT BORO	5	597- 662	10	1980	124MNSQ	W	P
29- 608	JERSEY SHORE S AND L	MANCHESTER TWP	45	69- 80	4	1980	121CKKD	W	P
29- 611	MANCHESTER TWP MUA 1	MANCHESTER TWP	55	57- 77	4	1980	121CKKD	W	I
29- 612	BERKELEY WC-BAYVILLE	BERKELEY TWP	20	90*		1978	121CKKD	W	P
29- 613	BERKELEY WC-PINEWALL	BERKELEY TWP	45	200*		1978	121CKKD	W	P
29- 616	OCEAN GATE BORO WD 2	OCEAN GATE BORO	7	340- 360	8		124MNSQ	W	P
29- 617	SEASIDE HTS BORO WD 5-78	SEASIDE HGTS BORO	5	175*		1978	121CKKD	W	P
29- 626	TOMS RIVER WC 30-81	DOVER TWP	9	1700-1875**	12	1981	211MRPA	W	P
29- 629	CERAMIC TILE SUPPLY CO	BRICK TWP	25	57- 60	4	1977	121CKKD	W	I
29- 630	JACKSON T MIDDLE SCHOOL	JACKSON TWP	125	297- 317	6	1968	211MLRW	W	T
29- 631	BERKELEY T LAW ENFORCE C	BERKELEY TWP	45	80- 90	8		121CKKD	W	P
29- 632	JACKSON TWP PUBLIC WORKS	JACKSON TWP	135	63- 67	4	1972	121CKKD	W	H
29- 633	N DOVER ELEM SCHOOL	DOVER TWP	80	67- 77	6	1955	121CKKD	W	H
29- 636	LAND-O-PINES TRLR PK	JACKSON TWP	145	135*	4	1971	125VNCN	W	H
29- 637	WHITING GRADE SCHOOL 1-76	MANCHESTER TWP	170	104- 116	4	1976	121CKKD	W	T
29- 638	GSP BARNEGAT TOLL GATE	OCEAN TWP	130	98- 108	6	1961	121CKKD	W	H
29- 639	EXECUTIVE GARDEN APTS	TUCKERTON BORO	15	70- 80	4	1971	121CKKD	W	H
29- 640	AMER TEL AND TEL CO	TUCKERTON BORO	60	205- 215	8	1962	121CKKD	W	N
29- 642	FLEMINGTON BLOCK CO	BARNEGAT TWP	155	187- 205	8	1973	121CKKD	W	N
29- 643	OAK GROVE MOBILE HOME PK	PLUMSTED TWP	145	210- 225	4	1977	211MLRW	W	H
29- 644	NJ MOTOR VEH INSPEC STA	STAFFORD TWP	70	74- 79	4	1971	121CKKD	W	H
29- 645	KLAMM, VICTOR	DOVER TWP	50	30- 35	1	1977	121CKKD	W	I
29- 646	LACEY MOOSE LODGE	LACEY TWP	20	72- 75	3	1974	121CKKD	W	H
29- 648	ESTONIAN BOY SCOUT CAMP	JACKSON TWP	120	73- 90	4	1979	121CKKD	W	H
29- 649	FLUID PKG CO INC	LAKEWOOD TWP	50	43- 63	8	1972	121CKKD	W	H
29- 650	HOMESTEAD FENCE CO	EAGLESWOOD TWP	35	42- 46	3		121CKKD	W	H
29- 651	BAY BRIDGE INN	DOVER TWP	10	63- 69	4	1970	121CKKD	W	C
29- 652	MANAHAWKIN BAPTIST CH	STAFFORD TWP	20	100*	4	1980	121CKKD	W	T
29- 653	BURGER KING ROUTE 72	STAFFORD TWP	15	63- 70	2		121CKKD	W	C
29- 654	SHADY LK T PARK	JACKSON TWP	110	145- 155	6	1974	125VNCN	W	H
29- 655	AMERICAN LEGION	BARNEGAT TWP	25	47- 50	4	1980	121CKKD	W	H
29- 656	OCEAN CO RES CENTER	LACEY TWP	15	187- 206	6	1963	121CKKD	W	P

TABLE 3.--RECORDS OF SELECTED WELLS--Continued.

WELL NUMBER	LOCAL WELL IDENTIFIER	MUNICIPALITY	ALTITUDE OF LAND SURFACE (FT ABOVE SEA LEVEL)	SCREEN SETTING (FT BELOW LSD)[1]	SCREEN DIAMETER (IN.)	YEAR COMPLETED	AQUIFER UNIT[2]	USE OF SITE[3]	USE OF WATER[4]
			OCEAN COUNTY						
29- 657	OCEAN TWP VOC SCHOOL	OCEAN TWP	50	68- 73	4	1971	121CKKD	W	T
29- 658	JACKSON BAPTIST CHURCH	JACKSON TWP	115	202- 215	4	1977	125VNCN	W	H
29- 659	BERKELEY FED SAV LOAN	MANCHESTER TWP	55	60- 64	4	1978	121CKKD	W	H
29- 660	OAK TREE MOBILE HOME PK	JACKSON TWP	155	132- 138	4	1971	125VNCN	W	H
29- 661	BARNEGAT BLVD ELEM SCH	BARNEGAT TWP	110	83- 91	4	1978	121CKKD	W	I
29- 662	BERKELEY TWP GOLF COURSE	BERKELEY TWP	35	57- 67	4	1975	121CKKD	W	H
29- 663	ST THOMAS CHURCH	BRICK TWP	20	35- 38	4	1976	121CKKD	W	I
29- 664	LAUREL BROOK CONDOMINIUM	BRICK TWP	30	135- 145	6	1969	121CKKD	W	H
29- 665	EAST DOVER VOL FIRE CO	DOVER TWP	5	49- 55	4	1970	121CKKD	W	H
29- 666	BNAI ISRAEL CONGREGATION	DOVER TWP	80	78- 88	4	1971	121CKKD	W	H
29- 667	SEBASTINAS, JANE	EAGLESWOOD TWP	15	50- 53	2	1976	121CKKD	W	H
29- 668	NJ STATE FOREST TREE NUR	JACKSON TWP	110	56- 62	4	1963	121CKKD	W	H
29- 669	SAM AND SAMMYS BARBER SH	JACKSON TWP	120	54- 60	4	1980	121CKKD	W	H
29- 670	BUTTERFLY CAMPGROUND 1	JACKSON TWP	110	23- 26	1	1972	121CKKD	W	R
29- 671	SUNRISE BEACH	LACEY TWP	20	50- 53	2	1978	121CKKD	W	H
29- 672	LANOKA HARBOR FIRST AID	LACEY TWP	20	40- 50	4	1981	121CKKD	W	H
29- 673	BICYCLES UNLIMITED	LAKEWOOD TWP	60	25- 28	1	1956	121CKKD	W	C
29- 674	BAKERS ACRES	LITTLE EGG HRB TWP	25	47- 65	4	1974	121CKKD	W	H
29- 675	FAIR OAKS SOUTH SCHOOL	MANCHESTER TWP	100	50- 56	4	1976	121CKKD	W	T
29- 676	MANCHESTER B E RDGWY SCH	MANCHESTER TWP	55	52- 63	6	1959	121CKKD	W	T
29- 677	EVANGELICAL CONG CH	MANCHESTER TWP	160	79- 89	4	1979	121CKKD	W	I
29- 678	PT PLEASANT MEM SCHOOL	POINT PLEASANT BORO	20	60- 80	4	1979	121CKKD	W	I
29- 679	PT PLEASANT OCEAN RD SCH	POINT PLEASANT BORO	20	70- 90	4	1979	121CKKD	W	I
29- 680	NEW EGYPT SPEEDWAY DOM	PLUMSTEAD TWP	180	62- 66	4	1954	121CKKD	W	H
29- 681	HOLIDAY BEACH CLUB	OCEAN TWP	5	97- 100	1	1958	121CKKD	W	H
29- 682	MCDONALDS ROUTE 72	STAFFORD TWP	20	72- 78	4	1977	121CKKD	W	C
29- 683	MANAHAWKIN ELKS LODGE	STAFFORD TWP	15	50- 53	2	1976	121CKKD	W	H
29- 684	OCEAN CO -TIP SEAMAN PK	TUCKERTON BORO	20	80- 90	4	1980	121CKKD	W	H
29- 685	BERKELEY T WORTH EL SCH	BERKELEY TWP	40	157- 177	8	1962	121CKKD	W	T
29- 686	VISITATION CHURCH	BRICK TWP	10	164- 184	8	1963	121CKKD	W	T
29- 688	HEFFERON, JOHN	BRICK TWP	10	33- 38	1	1981	121CKKD	W	I
29- 689	PETERSONS RESTAURANT	BRICK TWP	10	121- 131	4	1972	121CKKD	W	C
29- 690	BRICK TWP MEM HS	BRICK TWP	50	127- 142	7	1979	121CKKD	W	I
29- 691	TOMS RIVER EAST HS	DOVER TWP	50	98- 108	6	1978	121CKKD	W	I
29- 692	INSULITE INC	DOVER TWP	20	113- 123	4	1967	121CKKD	W	H
29- 694	EAST DOVER FIRST AID	DOVER TWP	10	52- 58	4	1970	121CKKD	W	H
29- 695	SESCO/BAY MACHINE CO	DOVER TWP	90	72- 76	4	1980	121CKKD	W	H
29- 696	WHITESVILLE V FIRE 1980	JACKSON TWP	120	56- 62	4	1980	121CKKD	W	H
29- 698	JELLYSTONE PARK	JACKSON TWP	130	120- 132	4	1979	125VNCN	W	H
29- 699	JACKSON T B ED GOETZ SCH	JACKSON TWP	160	214- 226	4	1973	211MLRW	W	T
29- 700	BENNETT PLAZA	JACKSON TWP	155	168- 172	4	1979	125VNCN	W	C
29- 701	NJ ST FORKED RIV MARINA	LACEY TWP	10	137- 147	6	1960	121CKKD	W	H
29- 702	ST PIUS CATHOLIC CH 1-54	LACEY TWP	20	67- 75	3	1954	121CKKD	W	H
29- 703	ISLAND BEACH ST PARK	LACEY TWP	20	271- 291	8	1958	121CKKD	W	H
29- 704	LAKEHURST PRESBY CHURCH	LAKEHURST BORO	70	21- 25	1	1977	121CKKD	W	I
29- 705	FAIRWAY VILLAGE	LAKEWOOD TWP	30	90- 110	4	1980	121CKKD	W	I
29- 706	COMMUNITY REFORM CHURCH	MANCHESTER TWP	110	84- 94	4	1977	121CKKD	W	H
29- 707	MULLER, HENRY IRR	MANCHESTER TWP	150	85- 95	4	1979	121CKKD	W	I
29- 708	READE MFG 1981	MANCHESTER TWP	60	54- 60	6	1981	121CKKD	W	H
29- 709	BERKELEY TWP REC FIELD	BERKELEY TWP	40	58- 76	4	1974	121CKKD	W	I
29- 710	JCP&L PINEWALD & KES RD	BERKELEY TWP	55	96- 100	4	1978	121CKKD	W	N
29- 711	DOVER T SEW AU STUART DR	DOVER TWP	50	47- 53	6	1979	121CKKD	W	H
29- 712	CRYSTALS FOODS INC	DOVER TWP	120	86- 89	4	1977	121CKKD	W	H
29- 713	JACKSON TWP LIBRARY	JACKSON TWP	130	318- 324	4	1978	211MLRW	W	H
29- 714	MINCEMOYER NURSERY IRRIG	JACKSON TWP	155	232- 250	4	1977	125VNCN	W	H
29- 715	R P PROFILES CORP	JACKSON TWP	130	136- 142	4	1979	125VNCN	W	H
29- 716	LACEY TWP HIGH SCHOOL 2	LACEY TWP	40	120- 140	8	1980	121CKKD	W	T
29- 717	OCEAN LANES BOWL ALLEY	LAKEWOOD TWP	20	105*	6	1960	121CKKD	W	H
29- 718	OCEAN GATE YACHT	OCEAN GATE BORO	3	73- 79	4	1959	121CKKD	W	H
29- 719	US ARMY FT DX BIVOUAC 22	PLUMSTED TWP	170	125*	6	1967	121CKKD	W	H
29- 721	CRESTWOOD VIL WC 10	MANCHESTER TWP	150	148- 168	12	1978	121CKKD	W	P
29- 722	DOVER TWP PUB WORKS GARG	DOVER TWP	50	55- 65	4	1972	121CKKD	W	N
29- 723	NJ STATE GAME FARM 1912	LACEY TWP	10	509*		1912	124EOCN	U	U
29- 724	LACEY TWP MIDDLE SCHOOL	LACEY TWP	30	130- 150	8	1980	121CKKD	W	T
29- 725	READE MFG MAIN OFC 1960	MANCHESTER TWP	60	46- 49	4	1960	121CKKD	W	H
29- 726	BRICK TWP MUA 5-70	BRICK TWP	20	43- 67	12	1970	121CKKD	W	P
29- 727	HOLIDAY CITY-BERKELEY	BERKELEY TWP	40	40- 60	5	1979	121CKKD	W	I
29- 728	WATERSIDE GARDENS	BRICK TWP	5	86- 96	4	1979	121CKKD	W	H
29- 729	NJDOT MAINT YARD	DOVER TWP	70	68- 78	4	1966	121CKKD	W	H
29- 730	GSP STAFFORD FORGE PIC A	EAGLESWOOD TWP	20	54- 65	4	1961	121CKKD	W	H

TABLE 3.--RECORDS OF SELECTED WELLS--Continued.

WELL NUMBER	LOCAL WELL IDENTIFIER	MUNICIPALITY	ALTITUDE OF LAND SURFACE (FT ABOVE SEA LEVEL)	SCREEN SETTING (FT BELOW LSD)[1]	SCREEN DIAMETER (IN.)	YEAR COMPLETED	AQUIFER UNIT[2]	USE OF SITE[3]	USE OF WATER[4]
			OCEAN COUNTY						
29- 731	GSP OYSTER C PIC AREA	LACEY TWP	30	53- 64	4	1961	121CKKD	W	H
29- 732	NJ HWY A FORKED R SER 1	LACEY TWP	40	66- 91	8	1954	121CKKD	W	H
29- 733	MAPLE GLEN MOB H PK 2-75	JACKSON TWP	110	47- 57	6	1975	121CKKD	W	P
29- 735	CRESTWOOD VIL WC 7	MANCHESTER TWP	167	148- 173	12	1977	121CKKD	W	P
29- 736	GSP POLHEMUS C PIC AREA	LAKEWOOD TWP	80	55- 65	4	1961	121CKKD	W	H
29- 737	OCEAN CO UTL AUTH BS-1	BARNEGAT TWP	50	38- 48	4	1979	121CKKD	W	Z
29- 738	BERKELEY T CENTRL REG HS	BERKELEY TWP	70	90- 100	8	1961	121CKKD	W	T
29- 739	OCEAN CO COLL REC FIELD	DOVER TWP	20	200- 220	6	1970	124EOCN	W	I
29- 740	OCEAN CO VOC S JACKSON 2	JACKSON TWP	105	340- 380	6	1976	211MLRW	W	T
29- 741	JACKSON 1 FIRE CO (NPR)	JACKSON TWP	155	175*	4	1963	125VNCN	W	H
29- 742	OCEAN CO UTL AUTH TR-1	MANCHESTER TWP	50	43- 48	4	1979	121CKKD	W	Z
29- 743	NOAHS ARK DAY SCHOOL	OCEAN TWP	20	60*	3	1980	121CKKD	W	H
29- 744	US ARMY FT DX BRINDLE LK	PLUMSTED TWP	80	94- 145	4	1953	125VNCN	W	T
29- 745	NEW EGYPT SPEEDWAY IRR	PLUMSTED TWP	185	79- 84	4	1980	121CKKD	W	I
29- 746	NJ BELL TEL WORK CENTER	LAKEWOOD TWP	110	110- 120	6	1980	121CKKD	W	H
29- 747	OCEAN CO UTL AU CWPCF-2	BERKELEY TWP	40	107- 117	10	1978	121CKKD	W	P
29- 749	OCEAN CO MEM PK CEMETARY	DOVER TWP	50	54- 69	5	1981	121CKKD	W	I
29- 750	DOVER TWP DOG POUND	DOVER TWP	70	50- 54	3	1980	121CKKD	W	H
29- 751	JACKSON MUNICIPAL BLDG	JACKSON TWP	130	300- 320	6	1973	211MLRW	W	H
29- 752	GREENBRIAR I BRYANT RD	BRICK TWP	50	50- 60	4	1981	121CKKD	W	I
29- 753	JACKSON NO 1 FIRE CO A	JACKSON TWP	125	36- 40	4	1977	121CKKD	W	H
29- 754	GREENBRIAR I BARKER ST	BRICK TWP	40	35- 55	4	1981	121CKKD	W	I
29- 755	ALLYN MANUFACTURING CO	MANCHESTER TWP	150	74- 80	6	1981	121CKKD	W	N
29- 756	ISLAND BEACH ST PK TP	SEASIDE PARK BORO	10	297- 331	8	1965	121CKKD	W	Z
29- 757	MANCHESTER T MUA H OKS 1	MANCHESTER TWP	80	68- 82	9	1978	121CKKD	W	P
29- 759	UNITED STATES SAV BANK	MANCHESTER TWP	65	56- 60	4	1980	121CKKD	W	H
29- 760	DOVER TWP RIVERWOOD PARK	DOVER TWP	70	53- 59	4	1982	121CKKD	W	R
29- 761	DOVER TWP SHELTER COVE P	DOVER TWP	5	66- 70	4	1982	121CKKD	W	R
29- 762	CEDAR GLEN HOMES 4-79	MANCHESTER TWP	40	51- 61	8	1979	121CKKD	W	H
29- 763	OCEAN CO UTL AUTH SPS-2	EAGLESWOOD TWP	10	128- 148	8	1977	121CKKD	W	N
29- 764	OCEAN CO UTL AUTH NPS-2	PT PLEASANT BORO	5	97- 107	6	1976	121CKKD	W	N
29- 765	STAFFORD WC FAWN LAKES I	STAFFORD TWP	125	257*	12	1974	121CKKD	W	P
29- 767	OCEAN CO MEDICAL PARK	DOVER TWP	30	55- 62	4	1980	121CKKD	W	I
29- 768	STAFFORD TWP SCHOOL 2-80	STAFFORD TWP	80	144- 154	6	1980	121CKKD	W	T
29- 769	OCEAN CO AIRPARK 1981	BERKELEY TWP	90	77- 80	4	1981	121CKKD	W	T

EXPLANATION

[1] LSD IS AN ABBREVIATION FOR LAND SURFACE DATUM.
* DEPTH OF WELL IN FT BELOW LAND SURFACE DATUM. SCREEN SETTING NOT KNOWN.
† WELL NOT SAMPLED FOR THIS STUDY BUT SHOWN IN A HYDROGEOLOGIC SECTION ON PLATE 1.
** MULTIPLE SCREENS.

[2]AQUIFER UNIT

121CKKD	KIRKWOOD-COHANSEY AQUIFER SYSTEM
122KRKDU	RIO GRANDE WATER-BEARING ZONE
122KRKDL	ATLANTIC CITY 800-FOOT SAND
124MNSQ	MANASQUAN AQUIFER
124EOCN	EOCENE UNDIFFERENTIATED AQUIFER
125VNCN	VINCENTOWN AQUIFER
211MLRW	WENONAH-MOUNT LAUREL AQUIFER
211EGLS	ENGLISHTOWN AQUIFER
211MRPA	POTOMAC-RARITAN-MAGOTHY AQUIFER SYSTEM

[3]USE OF SITE

O - OBSERVATION
T - TEST
U - UNUSED
W - WITHDRAWAL

[4]USE OF WATER

C - COMMERCIAL
F - FIRE PROTECTION
H - DOMESTIC
I - IRRIGATION
N - INDUSTRIAL
P - PUBLIC SUPPLY
R - RECREATION
S - STOCK
T - INSTITUTION
U - UNUSED
Z - OTHER

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS.

WELL NUMBER	LOCAL IDENT-I-FIER	AQUIFER UNIT[1]	DATE OF SAMPLE	TEMPER-ATURE (°C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)
				BURLINGTON						
05-344	HOFFMAN-LA ROCHE CO 1974	211MRPA	82-05-19	14.5	380	7.9	144	223	<.050	<.010
				MONMOUTH						
25-029	BRIELLE BORO WD 1	121CKKD	82-04-29	14.0	112	6.8	34	80	<.050	<.010
25-504	YMCA - SHORE AREA	121CKKD	82-05-05	15.0	76	5.1	4	45	<.050	<.010
25-505	BENNETT SAND & GRAVEL CO	121CKKD	82-04-29	13.0	58	4.8	1	48	<.050	<.010
25-506	MANASQUAN RIVER GOLF CRS	121CKKD	82-04-29	13.5	60	5.8	7	*55	*<.050	*<.010
25-510	GSP HERBERTSVILLE 1-61	121CKKD	82-06-24	12.0	160	6.0	12	110	--	--
25-507	EX-CEL WOOD PRODUCTS	125VNCN	82-05-10	14.0	148	8.2	58	95	.180	<.010
25-511	ALDRICH WC 3A-71	125VNCN	82-05-18	13.0	200	6.8	--	108	<.050	<.010
25-164	ALDRICH W CO 1	211MLRW	82-05-18	15.0	155	7.0	--	91	<.050	<.010
25-508	OSBORNE POULTRY FARM	211MLRW	82-06-22	14.0	165	7.8	88	108	--	.006
25-030	BRIELLE BORO WD 2	211EGLS	82-04-29	20.0	185	8.0	86	110	.110	<.010
25-161	HOWELL TWP BD ED-KENT RD	211EGLS	82-05-18	15.0	144	7.0	--	88	<.050	<.010
				OCEAN						
29-013	BEACHWOOD BORO WD 4	121CKKD	81-08-25	14.0	53	4.3	0	28	.010	.010
29-022	SHORE WATER CO 1	121CKKD	81-08-28	13.0	56	6.2	10	48	.020	<.010
29-055	TOMS RIVER WC 17	121CKKD	81-08-31	12.0	45	4.8	1	34	.080	<.010
29-058	TOMS RIVER WC 21	121CKKD	81-08-31	13.0	143	6.0	21	82	.320	<.010
29-058	TOMS RIVER WC 21	121CKKD	82-06-29	13.5	136	5.6	14	85	--	.005
29-080	OCEAN CO COLLEGE 2-70	121CKKD	82-05-05	13.5	57	4.6	0	28	<.050	<.010
29-088	TOMS RIVER WC 20	121CKKD	81-08-31	13.0	102	5.0	2	61	<.010	<.010
29-097	TOMS R WC-DUGANS 22	121CKKD	81-08-31	12.5	107	5.0	3	70	.020	<.010
29-121	LAKEHURST NAS 26-60	121CKKD	82-04-13	13.0	27	6.0	8	25	<.050	<.010
29-122	LAKEHURST NAS 15-57	121CKKD	82-04-13	14.5	123	6.2	52	74	.180	.010
29-123	LAKEHURST NAS 4-42	121CKKD	82-04-13	13.5	27	5.2	2	21	<.050	<.010
29-126	LAKEHURST NAS 19-57	121CKKD	82-04-13	13.0	23	5.1	4	19	.110	<.010
29-141	USGS-COLLIERS MILLS TW 4	121CKKD	82-04-20	12.5	73	6.8	20	60	.140	<.010
29-230	ST VLADIMIR CEM	121CKKD	81-12-17	11.0	125	7.6	44	69	<.100	<.010
29-428	LAKEHURST WD 1R	121CKKD	81-12-07	13.0	85	5.0	2	48	<.100	<.010
29-432	LAKEWOOD TWP MUA 6	121CKKD	81-11-19	17.0	152	7.6	64	86	.100	.010
29-483	CRESTWOOD VIL WC 1-65	121CKKD	82-03-29	13.0	32	4.9	2	18	.180	<.010
29-487	CRESTWOOD VIL WC 3-72	121CKKD	82-03-29	12.5	49	4.9	2	26	.160	<.010
29-488	CEDAR GLEN LAKES WC 1-70	121CKKD	81-11-24	12.0	28	5.0	4	17	.200	<.010
29-489	CEDAR GLEN LAKES WC 2-72	121CKKD	81-11-24	12.0	38	5.1	3	20	<.100	<.010
29-493	PINE ACRES TRLR PK 2-71	121CKKD	81-12-07	12.0	37	5.1	2	16	<.100	<.010
29-494	AMER GRAPHITE CO 1970	121CKKD	81-12-07	13.0	45	5.2	2	27	<.100	<.010
29-500	CEDAR GLEN WEST 1	121CKKD	82-03-10	13.0	109	5.4	4	51	<.050	<.010
29-502	CEDAR GLEN WEST 2-66	121CKKD	82-03-10	14.0	85	5.3	4	--	.300	<.010
29-508	OCEAN GATE BORO WD 3	121CKKD	81-08-25	12.5	50	5.7	4	--	.020	<.010
29-512	OCEAN TWP MUA 1-60	121CKKD	81-08-25	13.0	52	4.6	0	--	.010	<.010
29-513	USGS-GARDEN ST PKWY OBS1	121CKKD	82-04-14	10.0	45	5.9	8	35	<.050	<.010
29-514	USGS-GARDEN ST PKWY OBS2	121CKKD	82-04-14	13.0	53	5.8	8	46	<.050	<.010
29-515	PINE BEACH WATER UTIL 1	121CKKD	81-08-25	12.0	64	4.7	0	--	.020	<.010
29-521	PT PLEAS BCH BORO WD 9	121CKKD	81-09-01	13.5	422	6.6	52	290	.330	.010
29-523	PT PLEAS BCH BORO WD 10	121CKKD	81-09-01	13.5	955	6.4	28	569	.400	<.010
29-533	PT PLEASANT BORO WD 4	121CKKD	81-09-03	14.5	215	6.4	40	138	.250	.010
29-538	SEASIDE HTS BORO WD 1R	121CKKD	81-08-28	13.0	480	6.0	26	296	.080	<.010
29-553	TONNESON, EDWARD	121CKKD	81-12-10	13.0	204	--	--	139	<.100	<.010
29-554	STAFFORD WC 2	121CKKD	81-12-02	13.0	44	5.5	2	56	<.100	<.010
29-555	OCEAN CO UTL AUTH 1-75	121CKKD	81-12-15	14.5	31	6.3	5	--	<.100	<.010
29-566	BARNEGAT WC FLOWING 1	121CKKD	81-08-25	12.0	50	4.4	0	35	.020	.010
29-569	BARNEGAT WC 3-72	121CKKD	81-08-25	12.0	36	5.0	1	33	.020	<.010
29-571	PINEWOOD ESTATES 1-64	121CKKD	81-12-15	--	27	6.4	5	17	<.100	<.010
29-578	BEACHWOOD BORO WD 5-75	121CKKD	81-08-25	12.5	49	5.4	2	--	.030	<.010
29-594	OCEAN TWP MUA 4-78	121CKKD	81-12-15	13.0	56	4.8	1	37	<.100	<.010
29-596	MANCHESTER TWP MUA 3	121CKKD	81-11-23	11.0	30	5.5	3	16	<.100	<.010
29-608	JERSEY SHORE S AND L	121CKKD	81-12-16	13.0	43	5.9	6	27	<.100	<.010
29-611	MANCHESTER TWP MUA 1	121CKKD	81-11-23	12.0	45	5.4	4	26	.200	<.010
29-612	BERKELEY WC-BAYVILLE	121CKKD	81-12-28	14.5	97	4.3	0	54	--	--
29-613	BERKELEY WC-PINEWALL	121CKKD	81-12-28	13.0	55	5.3	2	25	--	--

* Sample not filtered except for organic carbon. Value reported represents concentration in total water sample.
[1] See table 3 for explanation of aquifer unit codes.

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENT-I-FIER	DATE OF SAMPLE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
				BURLINGTON						
HOFFMAN-LA ROCHE CO 1974	82-05-19	.10	.04	.030	<.010	.3	180	67	2.9	2.0
				MONMOUTH						
BRIELLE BORO WD 1	82-04-29	.09	.02	.260	.250	.7	31	8.5	2.3	5.1
YMCA - SHORE AREA	82-05-05	<.05	2.0	<.010	<.010	.3	13	2.7	1.4	6.3
BENNETT SAND & GRAVEL CO	82-04-29	.32	<.01	<.010	<.010	.3	4	.7	.5	4.8
MANASQUAN RIVER GOLF CRS	82-04-29	*.25	*<.01	*.100	*.090	.3	7	*1.8	*.5	*4.5
GSP HERBERTSVILLE 1-61	82-06-24	.05	--	--	--	.4	27	6.7	2.5	21
EX-CEL WOOD PRODUCTS	82-05-10	.18	<.01	.070	.040	.9	50	16	2.5	2.9
ALDRICH WC 3A-71	82-05-18	<.05	<.01	.280	--	.8	--	--	--	--
ALDRICH W CO 1	82-05-18	.30	<.01	<.010	--	.6	57	19	2.5	1.7
OSBORNE POULTRY FARM	82-06-22	.25	<.05	--	.38	1.0	80	29	1.8	1.5
BRIELLE BORO WD 2	82-04-29	.44	<.01	.150	.150	.9	68	16	6.7	4.9
HOWELL TWP BD ED-KENT RD	82-05-18	<.05	<.01	<.010	--	.4	53	18	2.0	1.7
				OCEAN						
BEACHWOOD BORO WD 4	81-08-25	--	.04	--	<.010	--	3	.4	.4	2.1
SHORE WATER CO 1	81-08-28	--	.05	--	.030	.4	6	1.5	.5	4.6
TOMS RIVER WC 17	81-08-31	--	.17	--	<.010	.9	3	.3	.5	2.6
TOMS RIVER WC 21	81-08-31	--	.09	--	<.010	.9	23	5.9	1.9	11
TOMS RIVER WC 21	82-06-29	.20	<.05	--	<.010	1.6	22	5.8	1.8	14
OCEAN CO COLLEGE 2-70	82-05-05	<.05	1.5	<.010	<.010	.6	4	.5	.6	4.4
TOMS RIVER WC 20	81-08-31	--	3.4	--	<.010	1.8	17	2.0	2.8	7.9
TOMS R WC-DUGANS 22	81-08-31	--	2.5	--	<.010	.9	16	2.7	2.3	8.8
LAKEHURST NAS 26-60	82-04-13	<.05	.02	<.010	<.010	1.0	4	1.4	.2	2.4
LAKEHURST NAS 15-57	82-04-13	.24	<.01	<.010	<.010	2.6	1	.2	.2	2.1
LAKEHURST NAS 4-42	82-04-13	.15	.57	<.010	<.010	.5	2	.5	.2	2.1
LAKEHURST NAS 19-57	82-04-13	.11	.48	<.010	<.010	.5	1	.2	.1	2.2
USGS-COLLIERS MILLS TW 4	82-04-20	.14	.02	.240	.130	.4	14	4.9	.4	3.2
ST VLADIMIR CEM	81-12-17	<.10	<.01	.020	.020	1.7	38	15	.3	2.1
LAKEHURST WD 1R	81-12-07	<.10	1.5	.020	<.010	.5	12	3.7	.6	8.5
LAKEWOOD TWP MUA 6	81-11-19	.10	.05	.030	.020	.6	78	27	2.7	3.0
CRESTWOOD VIL WC 1-65	82-03-29	.20	.13	<.010	<.010	.9	2	.4	.2	2.1
CRESTWOOD VIL WC 3-72	82-03-29	.16	1.4	<.010	<.010	.4	5	.8	.8	5.4
CEDAR GLEN LAKES WC 1-70	81-11-24	.20	.03	.020	.020	<.3	2	.3	.2	1.9
CEDAR GLEN LAKES WC 2-72	81-11-24	<.10	<.01	.010	.010	<.3	3	.7	.3	1.9
PINE ACRES TRLR PK 2-71	81-12-07	<.10	.53	.010	<.010	.6	3	.5	.4	1.5
AMER GRAPHITE CO 1970	81-12-07	<.10	.38	<.010	<.010	<.3	4	.9	.5	4.6
CEDAR GLEN WEST 1	82-03-10	<.05	2.4	.040	<.010	.8	13	3.3	1.1	8.9
CEDAR GLEN WEST 2-66	82-03-10	.30	2.4	.020	<.010	1.0	8	2.7	.4	5.9
OCEAN GATE BORO WD 3	81-08-25	--	.02	--	<.010	.6	7	1.7	.6	2.1
OCEAN TWP MUA 1-60	81-08-25	--	.05	--	<.010	.7	3	.5	.4	1.6
USGS-GARDEN ST PKWY OBS1	82-04-14	<.05	.04	<.010	<.010	.5	3	.8	.3	4.6
USGS-GARDEN ST PKWY OBS2	82-04-14	.10	<.01	.010	<.010	3.4	6	1.8	.4	2.7
PINE BEACH WATER UTIL 1	81-08-25	--	.03	--	<.010	.7	4	.8	.6	2.8
PT PLEAS BCH BORO WD 9	81-09-01	--	.08	--	.030	<.3	132	33	12	27
PT PLEAS BCH BORO WD 10	81-09-01	--	.01	--	<.010	1.4	251	59	25	59
PT PLEASANT BORO WD 4	81-09-03	--	4.7	--	<.010	1.2	51	14	3.9	15
SEASIDE HTS BORO WD 1R	81-08-28	--	<.01	--	.020	.7	74	13	10	55
TONNESON, EDWARD	81-12-10	.10	<.01	.010	<.010	<.3	35	5.4	5.1	9.2
STAFFORD WC 2	81-12-02	.10	<.01	.080	.080	<.3	5	.9	.7	2.3
OCEAN CO UTL AUTH 1-75	81-12-15	<.10	.01	.060	.040	<.3	3	.7	.3	2.9
BARNEGAT WC FLOWING 1	81-08-25	--	.08	--	<.010	.8	3	.6	.5	1.7
BARNEGAT WC 3-72	81-08-25	--	.03	--	<.010	1.7	3	.4	.4	1.6
PINEWOOD ESTATES 1-64	81-12-15	<.10	<.01	<.010	<.010	<.3	2	.4	.4	2.7
BEACHWOOD BORO WD 5-75	81-08-25	--	.04	--	<.010	--	3	.4	.5	2.1
OCEAN TWP MUA 4-78	81-12-15	<.10	<.01	<.010	<.010	<.3	2	.6	.1	3.3
MANCHESTER TWP MUA 3	81-11-23	<.10	.21	<.010	<.010	<.3	3	.4	.5	3.6
JERSEY SHORE S AND L	81-12-16	<.10	.18	<.010	<.010	.5	5	1.4	.4	3.3
MANCHESTER TWP MUA 1	81-11-23	.20	.63	.010	<.010	<.3	9	2.0	.9	3.3
BERKELEY WC-BAYVILLE	81-12-28	--	--	--	--	.8	7	1.2	1.1	6.7
BERKELEY WC-PINEWALL	81-12-28	--	--	--	--	<.3	6	1.5	.4	3.5

* Sample not filtered except for organic carbon. Value reported represents concentration in total water sample.

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENT-I-FIER	DATE OF SAMPLE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
				BURLINGTON						
HOFFMAN-LA ROCHE CO 1974	82-05-19	5.7	1.0	33	--	<100	<5	<5	<50	<20
				MONMOUTH						
BRIELLE BORO WD 1	82-04-29	3.0	7.0	9.0	--	<100	<5	<5	<50	<20
YMCA - SHORE AREA	82-05-05	.9	8.0	7.0	--	<100	<5	<5	<50	250
BENNETT SAND & GRAVEL CO	82-04-29	1.4	8.0	8.0	--	<100	<5	<5	<50	<20
MANASQUAN RIVER GOLF CRS	82-04-29	*1.7	8.0	6.0	--	*<100	*<5	*<5	*<50	*<20
GSP HERBERTSVILLE 1-61	82-06-24	2.8	34	13	4.4	--	--	<1	<10	--
EX-CEL WOOD PRODUCTS	82-05-10	3.9	3.0	7.0	--	<100	<5	<5	<50	<20
ALDRICH WC 3A-71	82-05-18	--	--	--	--	<100	<5	<5	<50	<20
ALDRICH W CO 1	82-05-18	3.3	1.0	2.0	--	<100	<5	<5	<50	<20
OSBORNE POULTRY FARM	82-06-22	3.5	2.3	7.0	13	--	--	<1	10	<1
BRIELLE BORO WD 2	82-04-29	5.7	1.0	6.0	--	<100	<5	<5	<50	<20
HOWELL TWP BD ED-KENT RD	82-05-18	3.4	1.0	4.0	--	<100	<5	<5	<50	<20
				OCEAN						
BEACHWOOD BORO WD 4	81-08-25	1.4	5.8	7.0	11	40	<.5	3	--	120
SHORE WATER CO 1	81-08-28	1.9	4.7	7.0	17	30	<.5	4	1	<10
TOMS RIVER WC 17	81-08-31	1.3	6.5	5.3	7.3	<2	<.5	1	<1	49
TOMS RIVER WC 21	81-08-31	2.2	22	13	7.0	<2	<.5	3	1	<10
TOMS RIVER WC 21	82-06-29	1.3	21	16	6.0	--	--	1	<10	5
OCEAN CO COLLEGE 2-70	82-05-05	.5	7.0	2.0	--	<100	<5	<5	<50	22
TOMS RIVER WC 20	81-08-31	1.4	15	3.8	6.2	20	<.5	3	<1	16
TOMS R WC-DUGANS 22	81-08-31	2.1	17	5.7	5.2	8	<.5	4	<1	10
LAKEHURST NAS 26-60	82-04-13	.6	3.0	3.0	--	<100	<5	<5	<50	<20
LAKEHURST NAS 15-57	82-04-13	.5	2.0	10	--	<100	<5	<5	<50	<20
LAKEHURST NAS 4-42	82-04-13	.2	3.0	1.0	--	<100	<5	<5	<50	57
LAKEHURST NAS 19-57	82-04-13	.4	3.0	<1.0	--	<100	<5	<5	<50	<20
USGS-COLLIERS MILLS TW 4	82-04-20	1.9	2.0	11	--	<100	<5	<5	<50	<20
ST VLADIMIR CEM	81-12-17	1.0	4.0	4.0	--	<100	7	<5	<50	<20
LAKEHURST WD 1R	81-12-07	1.0	12	5.0	--	<100	<5	<5	<50	34
LAKEWOOD TWP MUA 6	81-11-19	4.4	3.0	6.0	--	140	<5	<5	<50	<20
CRESTWOOD VIL WC 1-65	82-03-29	1.3	4.0	1.0	--	<100	<5	<5	<50	<20
CRESTWOOD VIL WC 3-72	82-03-29	1.1	8.0	2.0	--	<100	<5	<5	<50	<20
CEDAR GLEN LAKES WC 1-70	81-11-24	.5	3.0	<1.0	--	<100	<5	<5	--	<20
CEDAR GLEN LAKES WC 2-72	81-11-24	.7	3.0	3.0	--	<100	<5	<5	--	<20
PINE ACRES TRLR PK 2-71	81-12-07	.4	3.0	2.0	--	<100	<5	<5	<50	<20
AMER GRAPHITE CO 1970	81-12-07	.4	8.0	2.0	--	<100	<5	<5	--	<20
CEDAR GLEN WEST 1	82-03-10	2.6	15	3.0	--	<100	<5	<5	<50	<20
CEDAR GLEN WEST 2-66	82-03-10	2.7	8.0	8.0	--	<100	<5	<5	<50	20
OCEAN GATE BORO WD 3	81-08-25	1.5	5.7	7.8	15	40	<.5	1	<1	<10
OCEAN TWP MUA 1-60	81-08-25	1.9	4.3	10	16	80	<.5	2	<1	<10
USGS-GARDEN ST PKWY OBS1	82-04-14	.4	8.0	2.0	--	<100	<5	<5	<50	<20
USGS-GARDEN ST PKWY OBS2	82-04-14	2.2	4.0	10	--	<100	<5	<5	<50	<20
PINE BEACH WATER UTIL 1	81-08-25	1.4	6.8	11	12	30	<.5	2	<1	<10
PT PLEAS BCH BORO WD 9	81-09-01	2.4	90	.7	21	170	<.5	4	<1	<10
PT PLEAS BCH BORO WD 10	81-09-01	4.5	280	10	24	290	<.5	5	<1	<10
PT PLEASANT BORO WD 4	81-09-03	5.6	16	13	8.8	50	<.5	3	<1	55
SEASIDE HTS BORO WD 1R	81-08-28	5.3	140	20	18	100	<.5	2	4	<10
TONNESON, EDWARD	81-12-10	3.5	47	4.0	--	400	<5	<5	<50	<20
STAFFORD WC 2	81-12-02	1.5	3.0	6.0	--	<100	<5	<5	--	<20
OCEAN CO UTL AUTH 1-75	81-12-15	.8	5.0	2.0	--	<100	<5	<5	<50	<20
BARNEGAT WC FLOWING 1	81-08-25	1.4	5.5	7.8	19	40	<.5	2	1	<10
BARNEGAT WC 3-72	81-08-25	.7	4.7	4.0	11	20	<.5	<1	1	49
PINEWOOD ESTATES 1-64	81-12-15	.3	5.0	<1.0	--	<100	<5	<5	<50	30
BEACHWOOD BORO WD 5-75	81-08-25	1.7	5.8	6.0	11	60	<.5	<1	3	27
OCEAN TWP MUA 4-78	81-12-15	1.0	6.0	8.0	--	<100	5	<5	<50	<20
MANCHESTER TWP MUA 3	81-11-23	.2	5.0	<1.0	--	<100	<5	<5	<50	<20
JERSEY SHORE S AND L	81-12-16	.6	6.0	2.0	--	<100	<5	<5	<50	54
MANCHESTER TWP MUA 1	81-11-23	.5	7.0	<1.0	--	<100	<5	<5	<50	<20
BERKELEY WC-BAYVILLE	81-12-28	.5	8.8	15	--	<100	<5	<5	<50	20
BERKELEY WC-PINEWALL	81-12-28	1.0	5.0	8.0	--	<100	<5	6	<50	<20

* Sample not filtered except for organic carbon. Value reported represents concentration in total water sample.

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENT-I-FIER	DATE OF SAMPLE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	ZINC, DIS-SOLVED (UG/L AS ZN)	VOLATILE ORGANIC COMPOUNDS[2] TYPE OF SCAN	VOLATILE ORGANIC COMPOUNDS[2] COMPOUNDS DETECTED
				BURLINGTON					
HOFFMAN-LA ROCHE CO 1974	82-05-19	<30	<100	16	<10	--	<5	SHORT	NONE
				MONMOUTH					
BRIELLE BORO WD 1	82-04-29	<30	<100	<10	<10	--	<5	SHORT	NONE
YMCA - SHORE AREA	82-05-05	40	<100	<10	<10	--	10	SHORT	NONE
BENNETT SAND & GRAVEL CO	82-04-29	580	<100	<10	<10	--	10	--	--
MANASQUAN RIVER GOLF CRS	82-04-29	*1800	*<100	*10	*<10	--	*<5	--	--
GSP HERBERTSVILLE 1-61	82-06-24	1400	8	32	--	--	360	--	--
EX-CEL WOOD PRODUCTS	82-05-10	50	<100	<10	<10	--	--	SHORT	NONE
ALDRICH WC 3A-71	82-05-18	270	<100	138	<10	--	<5	--	--
ALDRICH W CO 1	82-05-18	120	<100	<10	<10	--	<5	SHORT	NONE
OSBORNE POULTRY FARM	82-06-22	440	3	17	--	--	68	--	--
BRIELLE BORO WD 2	82-04-29	110	<100	42	<10	--	<5	SHORT	NONE
HOWELL TWP BD ED-KENT RD	82-05-18	190	<100	32	<10	--	<5	SHORT	NONE
				OCEAN					
BEACHWOOD BORO WD 4	81-08-25	37	<10	15	--	11	210	LONG	NONE
SHORE WATER CO 1	81-08-28	1200	<10	10	--	16	6	--	--
TOMS RIVER WC 17	81-08-31	280	<10	9	--	7	.25	LONG	NONE
TOMS RIVER WC 21	81-08-31	660	<10	59	--	26	8	LONG	BENZENE = 6.1 UG/L
TOMS RIVER WC 21	82-06-29	5900	<1	43	--	--	10	LONG	BENZENE = 4.0 UG/L
OCEAN CO COLLEGE 2-70	82-05-05	90	<100	<10	<10	--	20	SHORT	NONE
TOMS RIVER WC 20	81-08-31	16	<10	30	--	20	59	LONG	NONE
TOMS R WC-DUGANS 22	81-08-31	30	<10	27	--	16	93	--	--
LAKEHURST NAS 26-60	82-04-13	450	<100	53	<10	--	<5	--	--
LAKEHURST NAS 15-57	82-04-13	27000	<100	33	<10	--	30	SHORT	NONE
LAKEHURST NAS 4-42	82-04-13	<30	<100	10	<10	--	20	SHORT	NONE
LAKEHURST NAS 19-57	82-04-13	50	<100	<10	<10	--	10	SHORT	NONE
USGS-COLLIERS MILLS TW 4	82-04-20	130	<100	69	<10	--	20	SHORT	XYLENES = 1.3 UG/L
ST VLADIMIR CEM	81-12-17	<30	<100	19	<10	--	110	--	--
LAKEHURST WD 1R	81-12-07	<30	<100	46	<10	--	70	--	--
LAKEWOOD TWP MUA 6	81-11-19	<30	<100	<10	<10	--	20	--	--
CRESTWOOD VIL WC 1-65	82-03-29	300	<100	<10	<10	--	10	SHORT	NONE
CRESTWOOD VIL WC 3-72	82-03-29	<30	<100	11	<10	--	10	SHORT	NONE
CEDAR GLEN LAKES WC 1-70	81-11-24	180	<100	<10	<10	--	--	SHORT	NONE
CEDAR GLEN LAKES WC 2-72	81-11-24	236	<100	<10	<10	--	10	SHORT	NONE
PINE ACRES TRLR PK 2-71	81-12-07	<30	<100	<10	<10	--	<5	--	--
AMER GRAPHITE CO 1970	81-12-07	160	<100	11	<10	--	120	--	--
CEDAR GLEN WEST 1	82-03-10	<30	<100	18	<10	--	20	--	--
CEDAR GLEN WEST 2-66	82-03-10	400	<100	43	<10	--	30	--	--
OCEAN GATE BORO WD 3	81-08-25	1800	10	16	--	19	80	LONG	NONE
OCEAN TWP MUA 1-60	81-08-25	750	<10	13	--	13	53	LONG	NONE
USGS-GARDEN ST PKWY OBS1	82-04-14	1400	<100	18	<10	--	640	SHORT	NONE
USGS-GARDEN ST PKWY OBS2	82-04-14	3100	<100	33	<10	--	10	SHORT	NONE
PINE BEACH WATER UTIL 1	81-08-25	530	<10	9	--	13	26	--	--
PT PLEAS BCH BORO WD 9	81-09-01	2600	<10	100	--	170	11	--	--
PT PLEAS BCH BORO WD 10	81-09-01	11000	<10	480	--	360	9	LONG	NONE
PT PLEASANT BORO WD 4	81-09-03	76	13	60	--	310	220	LONG	NONE
SEASIDE HTS BORO WD 1R	81-08-28	5000	<10	80	--	1	21	LONG	NONE
TONNESON, EDWARD	81-12-10	7600	<100	110	<10	--	40	--	--
STAFFORD WC 2	81-12-02	1800	<100	18	<10	--	70	--	--
OCEAN CO UTL AUTH 1-75	81-12-15	110	<100	21	<10	--	20	SHORT	NONE
BARNEGAT WC FLOWING 1	81-08-25	420	<10	11	--	11	17	--	--
BARNEGAT WC 3-72	81-08-25	43	<10	5	--	6	130	LONG	NONE
PINEWOOD ESTATES 1-64	81-12-15	140	<100	17	<10	--	40	--	--
BEACHWOOD BORO WD 5-75	81-08-25	1800	<10	15	--	11	62	--	--
OCEAN TWP MUA 4-78	81-12-15	440	<100	<10	<10	--	50	SHORT	NONE
MANCHESTER TWP MUA 3	81-11-23	<30	<100	<10	<10	--	20	--	--
JERSEY SHORE S AND L	81-12-16	1000	<100	12	<10	--	40	--	--
MANCHESTER TWP MUA 1	81-11-23	<30	<100	26	<10	--	10	--	--
BERKELEY WC-BAYVILLE	81-12-28	1100	<100	12	<10	--	40	SHORT	NONE
BERKELEY WC-PINEWALL	81-12-28	530	<100	17	<10	--	<5	--	--

* Sample not filtered except for organic carbon. Value reported represents concentration in total water sample.
[2] See explanation at end of table.

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

WELL NUMBER	LOCAL IDENTIFIER	AQUIFER UNIT[1]	DATE OF SAMPLE	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	ALKALINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG C DISSOLVED (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
				OCEAN						
29-617	SEASIDE HTS BORO WD 5-78	121CKKD	81-08-28	13.0	113	4.7	10	69	.070	<.010
29-629	CERAMIC TILE SUPPLY CO	121CKKD	82-01-05	13.5	50	5.0	4	37	.210	<.010
29-631	BERKELEY T LAW ENFORCE C	121CKKD	81-12-28	14.0	31	5.8	8	19	--	--
29-632	JACKSON TWP PUBLIC WORKS	121CKKD	81-12-30	13.5	122	8.3	54	86	<.050	<.010
29-633	N DOVER ELEM SCHOOL	121CKKD	82-01-07	17.0	126	5.6	4	100	.130	<.010
29-637	WHITING GRADE SCHOOL	121CKKD	82-01-20	15.0	30	5.6	4	26	.260	<.010
29-638	GSP BARNEGAT TOLL GATE	121CKKD	82-01-21	11.0	45	5.3	4	31	.260	<.010
29-639	EXECUTIVE GARDEN APTS	121CKKD	82-02-16	11.0	40	5.5	4	--	.110	<.010
29-640	AMER TEL AND TEL CO	121CKKD	82-02-16	9.0	48	6.7	16	--	.240	.020
29-642	FLEMINGTON BLOCK CO	121CKKD	82-02-16	12.0	19	5.5	2	--	.190	<.010
29-644	NJ MOTOR VEH INSPEC STA	121CKKD	82-02-17	11.0	--	5.8	4	17	--	<.010
29-645	KLAMM, VICTOR	121CKKD	82-05-13	13.5	102	5.5	8	58	<.050	<.010
29-646	LACEY MOOSE LODGE	121CKKD	82-02-22	9.5	76	5.6	4	41	<.050	<.010
29-648	ESTONIAN BOY SCOUT CAMP	121CKKD	82-05-20	14.0	96	5.0	2	49	<.050	<.010
29-649	FLUID PKG CO INC	121CKKD	82-03-30	14.0	68	6.2	12	39	<.050	.020
29-650	HOMESTEAD FENCE CO	121CKKD	82-02-10	11.0	53	5.5	4	44	.090	<.010
29-651	BAY BRIDGE INN	121CKKD	82-03-31	14.0	--	6.0	14	41	<.050	.010
29-652	MANAHAWKIN BAPTIST CH	121CKKD	82-02-22	12.0	38	5.4	2	26	<.050	<.010
29-653	BURGER KING ROUTE 72	121CKKD	82-03-17	12.0	148	7.0	54	100	.180	.020
29-655	AMERICAN LEGION	121CKKD	82-03-17	15.0	43	5.3	4	31	<.050	<.010
29-656	OCEAN CO RES CENTER	121CKKD	82-03-15	12.0	47	5.5	4	36	<.050	<.010
29-657	OCEAN TWP VOC SCHOOL	121CKKD	82-03-08	15.0	112	9.1	42	96	<.050	<.010
29-659	BERKELEY FED SAV LOAN	121CKKD	82-03-30	12.0	150	5.6	6	83	<.050	<.010
29-661	BARNEGAT BLVD ELEM SCH	121CKKD	82-05-11	12.0	72	5.3	4	43	<.050	<.010
29-662	BERKELEY TWP GOLF COURSE	121CKKD	81-12-21	8.0	48	6.1	10	32	<.100	<.010
29-663	ST THOMAS CHURCH	121CKKD	82-05-03	14.5	63	5.0	2	30	<.050	<.010
29-664	LAUREL BROOK CONDOMINIUM	121CKKD	82-05-27	13.5	49	6.0	--	--	<.050	<.010
29-665	EAST DOVER VOL FIRE CO	121CKKD	82-05-18	13.5	91	5.3	6	43	<.050	<.010
29-666	BNAI ISRAEL CONGREGATION	121CKKD	82-05-10	14.0	102	4.6	0	61	.080	<.010
29-667	SEBASTINAS, JANE	121CKKD	82-05-17	13.0	45	5.6	4	--	--	--
29-668	NJ STATE FOREST TREE NUR	121CKKD	82-05-26	13.5	47	5.4	4	--	<.050	<.010
29-669	SAM AND SAMMYS BARBER SH	121CKKD	82-05-26	15.5	97	5.0	4	63	.160	<.010
29-670	BUTTERFLY CAMPGROUND 1	121CKKD	82-05-20	13.0	93	5.0	1	--	<.050	<.010
29-671	SUNRISE BEACH	121CKKD	82-05-11	13.5	61	5.2	4	38	<.050	<.010
29-672	LANOKA HARBOR FIRST AID	121CKKD	82-05-12	11.5	69	4.8	2	42	<.050	<.010
29-673	BICYCLES UNLIMITED	121CKKD	82-05-25	15.0	163	5.3	1	101	.170	<.010
29-674	BAKERS ACRES	121CKKD	82-05-17	14.0	50	4.9	2	35	<.050	<.010
29-675	FAIR OAKS SOUTH SCHOOL	121CKKD	82-05-17	14.0	24	4.7	1	9	3.06	<.010
29-676	MANCHESTER B E RDGWY SCH	121CKKD	82-05-26	13.0	26	5.5	4	--	.150	<.010
29-677	EVANGELICAL CONG CH	121CKKD	82-05-26	14.0	36	4.2	0	31	.660	<.010
29-678	PT PLEASANT MEM SCHOOL	121CKKD	82-05-25	14.0	144	5.4	6	--	.410	<.010
29-679	PT PLEASANT OCEAN RD SCH	121CKKD	82-05-25	13.5	81	6.9	24	48	.150	<.010
29-680	NEW EGYPT SPEEDWAY DOM	121CKKD	82-05-20	14.0	134	5.0	2	87	<.050	<.010
29-681	HOLIDAY BEACH CLUB	121CKKD	82-05-10	14.5	58	4.4	0	48	<.050	<.010
29-682	MCDONALDS ROUTE 72	121CKKD	82-05-05	13.5	157	6.0	20	89	<.050	<.010
29-683	MANAHAWKIN ELKS LODGE	121CKKD	82-05-04	14.5	123	7.3	46	82	.360	<.010
29-684	TIP SEAMAN P VISITOR CEN	121CKKD	82-05-17	14.0	35	5.1	4	--	.180	<.010
29-685	BERKELEY T WORTH EL SCH	121CKKD	82-05-18	13.5	61	4.6	0	34	<.050	<.010
29-686	VISITATION CHURCH	121CKKD	82-05-12	13.5	111	7.0	44	87	<.050	<.010
29-688	HEFFERON, JOHN	121CKKD	82-05-03	14.5	158	5.0	2	89	.680	<.010
29-689	PETERSONS RESTAURANT	121CKKD	82-04-21	14.5	64	6.8	20	55	.110	<.010
29-690	BRICK TWP MEM HS	121CKKD	82-05-25	12.5	42	5.8	--	55	<.050	<.010
29-691	TOMS RIVER EAST HS	121CKKD	82-04-28	12.5	128	4.7	2	77	<.050	<.010
29-692	INSULITE INC	121CKKD	82-05-05	14.5	121	5.0	4	67	<.050	<.010
29-694	EAST DOVER FIRST AID	121CKKD	82-05-03	15.5	110	5.3	4	51	<.050	<.010
29-695	SESCO/BAY MACHINE CO	121CKKD	82-04-27	12.5	24	5.2	4	14	<.050	<.010
29-696	WHITESVILLE V FIRE 1980	121CKKD	82-05-04	13.0	98	5.5	8	42	.290	.050
29-701	NJ ST FORKED RIV MARINA	121CKKD	82-05-12	12.5	54	4.4	0	31	<.050	<.010
29-702	ST PIUS CATHOLIC CH 1-54	121CKKD	82-04-22	14.5	41	5.5	4	25	<.050	<.010
29-703	ISLAND BEACH ST PARK	121CKKD	82-05-20	16.0	72	6.6	4	32	<.050	<.010
29-704	LAKEHURST PRESBY CHURCH	121CKKD	82-04-27	14.5	165	5.1	4	90	<.050	<.010

[1] See table 3 for explanation of aquifer unit codes.

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENT-I-FIER	DATE OF SAMPLE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
				OCEAN						
SEASIDE HTS BORO WD 5-78	81-08-28	--	.03	--	.030	2.8	9	1.8	1.0	13
CERAMIC TILE SUPPLY CO	82-01-05	.27	1.4	.050	.030	.4	3	.5	.4	4.8
BERKELEY T LAW ENFORCE C	81-12-28	--	--	--	--	.6	1	.3	.1	2.5
JACKSON TWP PUBLIC WORKS	81-12-30	<.05	<.01	.140	.130	.5	56	21	.9	1.6
N DOVER ELEM SCHOOL	82-01-07	.25	6.1	.030	.030	.7	37	7.0	4.8	6.3
WHITING GRADE SCHOOL	82-01-20	.26	.14	.040	<.010	<.3	2	.4	.3	4.3
GSP BARNEGAT TOLL GATE	82-01-21	.26	.02	.010	<.010	<.3	3	.5	.3	5.3
EXECUTIVE GARDEN APTS	82-02-16	.33	.10	<.010	<.010	.3	3	.3	.5	6.1
AMER TEL AND TEL CO	82-02-16	.45	<.01	<.010	<.010	<.3	3	.8	.2	4.1
FLEMINGTON BLOCK CO	82-02-16	.26	.05	<.010	<.010	.3	1	.4	.1	3.3
NJ MOTOR VEH INSPEC STA	82-02-17	.36	.03	<.010	.010	<.3	2	.6	.2	4.4
KLAMM, VICTOR	82-05-13	.15	.51	<.010	<.010	.7	13	3.1	1.2	8.8
LACEY MOOSE LODGE	82-02-22	.13	.03	<.010	<.010	.7	11	3.3	.8	7.2
ESTONIAN BOY SCOUT CAMP	82-05-20	.20	2.5	<.010	<.010	1.2	6	.7	1.1	12
FLUID PKG CO INC	82-03-30	.16	1.0	<.010	<.010	1.0	7	1.1	1.1	5.2
HOMESTEAD FENCE CO	82-02-10	.13	.20	<.010	<.010	1.6	7	.9	1.1	5.7
BAY BRIDGE INN	82-03-31	.14	<.01	.010	<.010	<.3	8	1.8	.9	4.6
MANAHAWKIN BAPTIST CH	82-02-22	.31	.07	<.010	<.010	.5	4	.6	.6	5.5
BURGER KING ROUTE 72	82-03-17	.38	.05	.150	.060	.9	17	4.7	1.2	20
AMERICAN LEGION	82-03-17	.28	.15	.030	<.010	1.1	2	.6	.2	3.7
OCEAN CO RES CENTER	82-03-15	.08	.31	.030	.020	.3	6	1.4	.7	3.0
OCEAN TWP VOC SCHOOL	82-03-08	<.05	.03	<.010	<.010	.5	2	.4	.1	24
BERKELEY FED SAV LOAN	82-03-30	.06	1.0	<.010	<.010	.8	13	4.8	.2	17
BARNEGAT BLVD ELEM SCH	82-05-11	<.05	.45	<.010	<.010	.6	5	.4	1.0	8.2
BERKELEY TWP GOLF COURSE	81-12-21	<.10	.05	.020	.010	.7	1	.2	.2	3.6
ST THOMAS CHURCH	82-05-03	<.05	1.5	<.010	<.010	.9	8	1.5	1.0	4.8
LAUREL BROOK CONDOMINIUM	82-05-27	.20	.02	.140	.120	.3	5	1.6	.4	2.5
EAST DOVER VOL FIRE CO	82-05-18	.20	1.0	<.010	--	.8	9	1.6	1.1	7.3
BNAI ISRAEL CONGREGATION	82-05-10	.08	2.1	<.010	<.010	1.2	15	2.5	2.2	6.8
SEBASTINAS, JANE	82-05-17	--	--	--	--	--	--	--	--	--
NJ STATE FOREST TREE NUR	82-05-26	.10	2.6	<.010	<.010	<.3	25	8.7	.9	1.0
SAM AND SAMMYS BARBER SH	82-05-26	.16	4.0	<.010	<.010	<.3	11	.7	2.2	7.3
BUTTERFLY CAMPGROUND 1	82-05-20	<.05	.32	<.010	<.010	1.3	13	3.3	1.2	6.8
SUNRISE BEACH	82-05-11	.11	.70	<.010	<.010	1.0	12	1.3	2.1	4.0
LANOKA HARBOR FIRST AID	82-05-12	.10	.67	<.010	<.010	.6	12	.7	2.4	4.0
BICYCLES UNLIMITED	82-05-25	.17	2.1	<.010	<.010	.6	33	8.7	2.9	12
BAKERS ACRES	82-05-17	.65	<.01	.030	.030	.6	2	.1	.5	4.8
FAIR OAKS SOUTH SCHOOL	82-05-17	3.1	<.01	<.010	<.010	.8	1	.1	.2	.9
MANCHESTER B E RDGWY SCH	82-05-26	.15	.26	<.010	<.010	.8	1	.2	.2	2.3
EVANGELICAL CONG CH	82-05-26	.66	.01	<.010	<.010	.5	1	.2	.2	.7
PT PLEASANT MEM SCHOOL	82-05-25	.41	4.9	.020	<.010	.9	15	2.1	2.4	12
PT PLEASANT OCEAN RD SCH	82-05-25	.25	.02	.020	<.010	.3	14	3.7	1.1	6.9
NEW EGYPT SPEEDWAY DOM	82-05-20	<.05	5.5	<.010	<.010	--	34	8.4	3.1	1.6
HOLIDAY BEACH CLUB	82-05-10	.10	<.10	<.010	<.010	<.3	2	.6	.2	2.5
MCDONALDS ROUTE 72	82-05-05	<.05	.13	.010	.010	.7	34	6.1	4.5	12
MANAHAWKIN ELKS LODGE	82-05-04	.36	<.01	.040	.040	.3	33	7.0	3.7	6.0
TIP SEAMAN P VISITOR CEN	82-05-17	.18	<.01	<.010	<.010	<.3	2	.4	.2	2.1
BERKELEY T WORTH EL SCH	82-05-18	<.05	<.01	<.010	--	<.3	4	.8	.4	3.0
VISITATION CHURCH	82-05-12	.10	<.01	.720	.720	.5	18	5.7	1.0	9.9
HEFFERON, JOHN	82-05-03	.68	6.1	<.010	<.010	1.2	32	2.5	6.3	9.0
PETERSONS RESTAURANT	82-04-21	.11	<.01	.340	.320	.7	6	1.9	.4	5.8
BRICK TWP MEM HS	82-05-25	.20	<.01	.080	.030	.5	3	1.0	.2	2.9
TOMS RIVER EAST HS	82-04-28	.05	5.1	<.010	<.010	.7	12	2.0	1.7	14
INSULITE INC	82-05-05	<.05	4.0	<.010	<.010	.9	17	1.7	3.1	11
EAST DOVER FIRST AID	82-05-03	<.05	1.8	<.010	<.010	.8	--	--	--	16
SESCO/BAY MACHINE CO	82-04-27	<.05	.37	<.010	<.010	.7	1	.1	.2	3.3
WHITESVILLE V FIRE 1980	82-05-04	.29	.75	<.010	<.010	.3	7	.4	1.4	9.7
NJ ST FORKED RIV MARINA	82-05-12	<.05	<.01	<.010	<.010	1.6	2	.4	.2	1.9
ST PIUS CATHOLIC CH 1-54	82-04-22	.14	.03	<.010	<.010	1.2	2	.3	.3	4.9
ISLAND BEACH ST PARK	82-05-20	<.05	.07	<.010	<.010	4.8	2	.5	.1	9.5
LAKEHURST PRESBY CHURCH	82-04-27	.30	2.1	<.010	<.010	2.4	21	7.6	.5	17

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENT-I-FIER	DATE OF SAMPLE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO4)	SILICA, DIS-SOLVED (MG/L AS SIO2)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
				OCEAN						
SEASIDE HTS BORO WD 5-78	81-08-28	2.2	18	8.3	13	90	<.5	1	3	10
CERAMIC TILE SUPPLY CO	82-01-05	.7	6.0	2.0	--	<100	<5	<5	<50	21
BERKELEY T LAW ENFORCE C	81-12-28	.2	1.1	1.3	--	<100	<5	<5	<50	130
JACKSON TWP PUBLIC WORKS	81-12-30	3.5	2.0	9.0	--	<100	<5	<5	<50	<20
N DOVER ELEM SCHOOL	82-01-07	2.7	12	8.0	--	<100	<5	<5	<50	120
WHITING GRADE SCHOOL	82-01-20	.5	5.0	1.0	--	<100	<5	<5	<50	580
GSP BARNEGAT TOLL GATE	82-01-21	.7	5.0	8.0	--	<100	<5	<5	<50	<20
EXECUTIVE GARDEN APTS	82-02-16	.4	7.0	1.0	--	<100	<5	<5	<50	<20
AMER TEL AND TEL CO	82-02-16	2.0	4.0	12	--	<100	<5	<5	<50	<20
FLEMINGTON BLOCK CO	82-02-16	.4	3.0	<1.0	--	<100	<5	<5	<50	<20
NJ MOTOR VEH INSPEC STA	82-02-17	.3	5.0	1.0	--	<100	<5	<5	<50	130
KLAMM, VICTOR	82-05-13	.7	15	7.0	--	<100	<5	<5	<50	<20
LACEY MOOSE LODGE	82-02-22	.3	8.0	14	--	<100	<5	<5	<50	200
ESTONIAN BOY SCOUT CAMP	82-05-20	.9	16	2.0	--	<100	<5	<5	<50	400
FLUID PKG CO INC	82-03-30	.6	8.0	4.0	--	<100	<5	<5	<50	<20
HOMESTEAD FENCE CO	82-02-10	.4	6.0	10	--	<100	<5	<5	<50	130
BAY BRIDGE INN	82-03-31	1.4	8.0	2.0	--	<100	<5	<5	<50	<20
MANAHAWKIN BAPTIST CH	82-02-22	.9	6.0	3.0	--	<100	<5	<5	<50	52
BURGER KING ROUTE 72	82-03-17	.6	12	8.0	--	<100	<5	<5	<50	<20
AMERICAN LEGION	82-03-17	.5	7.0	5.0	--	<100	<5	<5	<50	330
OCEAN CO RES CENTER	82-03-15	2.2	4.0	10	--	<100	<5	<5	<50	<20
OCEAN TWP VOC SCHOOL	82-03-08	.7	6.0	4.0	--	<100	<5	<5	<50	42
BERKELEY FED SAV LOAN	82-03-30	1.9	26	9.0	--	<100	<5	<5	<50	190
BARNEGAT BLVD ELEM SCH	82-05-11	.5	16	2.0	--	<100	<5	<5	<50	<20
BERKELEY TWP GOLF COURSE	81-12-21	.2	8.0	2.0	--	<100	<5	<5	<50	100
ST THOMAS CHURCH	82-05-03	.7	4.0	4.0	--	<100	<5	<5	<50	<20
LAUREL BROOK CONDOMINIUM	82-05-27	1.9	4.0	<1.0	--	<100	<5	<5	<50	<20
EAST DOVER VOL FIRE CO	82-05-18	2.0	16	<1.0	--	<100	<5	<5	<50	680
BNAI ISRAEL CONGREGATION	82-05-10	.2	11	10	--	<100	<5	<5	<50	240
SEBASTINAS, JANE	82-05-17	--	--	--	--	<100	<5	<5	<50	--
NJ STATE FOREST TREE NUR	82-05-26	.5	4.0	<1.0	--	<100	<5	<5	<50	140
SAM AND SAMMYS BARBER SH	82-05-26	.9	12	<1.0	--	<100	<5	<5	<50	640
BUTTERFLY CAMPGROUND 1	82-05-20	.5	12	14	--	<100	<5	<5	<50	28
SUNRISE BEACH	82-05-11	2.4	7.0	6.0	--	<100	<5	<5	<50	<20
LANOKA HARBOR FIRST AID	82-05-12	1.6	8.0	8.0	--	<100	<5	<5	<50	64
BICYCLES UNLIMITED	82-05-25	1.3	22	21	--	<100	<5	<5	<50	50
BAKERS ACRES	82-05-17	.6	7.0	<1.0	--	<100	<5	<5	<50	<20
FAIR OAKS SOUTH SCHOOL	82-05-17	.5	--	1.0	--	<100	<5	<5	<50	<20
MANCHESTER B E RDGWY SCH	82-05-26	.2	4.0	<1.0	--	<100	<5	<5	<50	240
EVANGELICAL CONG CH	82-05-26	.1	2.0	2.0	--	<100	<5	<5	<50	<20
PT PLEASANT MEM SCHOOL	82-05-25	1.2	20	<1.0	--	<100	7	<5	<50	<20
PT PLEASANT OCEAN RD SCH	82-05-25	.5	9.0	<.1	--	<100	<5	<5	<50	<20
NEW EGYPT SPEEDWAY DOM	82-05-20	2.7	7.0	14	--	<100	<5	<5	<50	190
HOLIDAY BEACH CLUB	82-05-10	2.0	5.0	10	--	<100	<5	<5	<50	<20
MCDONALDS ROUTE 72	82-05-05	.2	15	22	--	<100	<5	<5	<50	<20
MANAHAWKIN ELKS LODGE	82-05-04	.8	7.0	9.0	--	<100	<5	<5	<50	<20
TIP SEAMAN P VISITOR CEN	82-05-17	1.2	4.0	2.0	--	<100	<5	<5	<50	180
BERKELEY T WORTH EL SCH	82-05-18	1.5	5.0	8.0	--	<100	<5	<5	<50	140
VISITATION CHURCH	82-05-12	4.1	2.0	5.0	--	<100	<5	<5	<50	<20
HEFFERON, JOHN	82-05-03	.7	14	9.0	--	<100	<5	<5	<50	<20
PETERSONS RESTAURANT	82-04-21	3.5	4.0	6.0	--	<100	<5	<5	<50	<20
BRICK TWP MEM HS	82-05-25	1.6	4.0	4.0	--	<100	<5	<5	<50	<20
TOMS RIVER EAST HS	82-04-28	2.0	20	<1.0	--	<100	<5	<5	<50	100
INSULITE INC	82-05-05	.1	16	2.0	--	<100	<5	<5	<50	28
EAST DOVER FIRST AID	82-05-03	--	15	<1.0	--	<100	<5	<5	<50	230
SESCO/BAY MACHINE CO	82-04-27	.2	4.0	2.0	--	<100	<5	<5	<50	<20
WHITESVILLE V FIRE 1980	82-05-04	.1	14	<1.0	--	<100	<5	<5	<50	25
NJ ST FORKED RIV MARINA	82-05-12	1.4	3.0	8.0	--	<100	<5	<5	<50	<20
ST PIUS CATHOLIC CH 1-54	82-04-22	.4	8.0	1.0	--	<100	<5	<5	<50	480
ISLAND BEACH ST PARK	82-05-20	2.6	2.0	7.0	--	<100	<5	<5	<50	<20
LAKEHURST PRESBY CHURCH	82-04-27	.1	23	16	--	<100	<5	<5	<50	<20

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENT-I-FIER	DATE OF SAMPLE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	ZINC, DIS-SOLVED (UG/L AS ZN)	VOLATILE ORGANIC COMPOUNDS[2] TYPE OF SCAN	VOLATILE ORGANIC COMPOUNDS[2] COMPOUNDS DETECTED
				OCEAN					
SEASIDE HTS BORO WD 5-78	81-08-28	1900	<10	39	--	19	16	--	--
CERAMIC TILE SUPPLY CO	82-01-05	1700	<100	25	<10	--	6	SHORT	NONE
BERKELEY T LAW ENFORCE C	81-12-28	1700	<100	61	<10	--	40	SHORT	NONE
JACKSON TWP PUBLIC WORKS	81-12-30	90	<100	14	<10	--	<5	SHORT	NONE
N DOVER ELEM SCHOOL	82-01-07	190	<100	18	<10	--	40	SHORT	NONE
WHITING GRADE SCHOOL	82-01-20	530	<100	18	<10	--	30	--	--
GSP BARNEGAT TOLL GATE	82-01-21	570	<100	<10	<10	--	60	SHORT	NONE
EXECUTIVE GARDEN APTS	82-02-16	30	<100	<10	<10	--	<5	SHORT	NONE
AMER TEL AND TEL CO	82-02-16	4000	<100	160	<10	--	<5	SHORT	NONE
FLEMINGTON BLOCK CO	82-02-16	70	<100	20	<10	--	20	SHORT	NONE
NJ MOTOR VEH INSPEC STA	82-02-17	50	<100	<10	<10	--	10	SHORT	NONE
KLAMM, VICTOR	82-05-13	850	<100	11	<10	--	80	SHORT	NONE
LACEY MOOSE LODGE	82-02-22	1600	<100	26	<10	--	280	SHORT	NONE
ESTONIAN BOY SCOUT CAMP	82-05-20	150	<100	<10	<10	--	10	--	--
FLUID PKG CO INC	82-03-30	540	<100	45	<10	--	<5	SHORT	XYLENES = 1.0 UG/L
HOMESTEAD FENCE CO	82-02-10	160	<100	<10	<10	--	10	SHORT	NONE
BAY BRIDGE INN	82-03-31	1500	<100	210	<10	--	10	SHORT	NONE
MANAHAWKIN BAPTIST CH	82-02-22	<30	<100	<10	<10	--	50	SHORT	NONE
BURGER KING ROUTE 72	82-03-17	2200	<100	50	<10	--	10	SHORT	NONE
AMERICAN LEGION	82-03-17	440	<100	<10	<10	--	60	SHORT	NONE
OCEAN CO RES CENTER	82-03-15	1100	<100	14	<10	--	10	SHORT	NONE
OCEAN TWP VOC SCHOOL	82-03-08	740	<100	<10	<10	--	20	SHORT	NONE
BERKELEY FED SAV LOAN	82-03-30	280	<100	140	<10	--	150	SHORT	NONE
BARNEGAT BLVD ELEM SCH	82-05-11	140	<100	12	<10	--	--	SHORT	NONE
BERKELEY TWP GOLF COURSE	81-12-21	1700	<100	36	<10	--	1200	SHORT	NONE
ST THOMAS CHURCH	82-05-03	130	<100	25	<10	--	8	SHORT	NONE
LAUREL BROOK CONDOMINIUM	82-05-27	840	<100	10	<10	--	10	SHORT	NONE
EAST DOVER VOL FIRE CO	82-05-18	580	<100	18	<10	--	10	SHORT	NONE
BNAI ISRAEL CONGREGATION	82-05-10	170	<100	34	<10	--	--	SHORT	NONE
SEBASTINAS, JANE	82-05-17	--	<100	--	<10	--	20	SHORT	NONE
NJ STATE FOREST TREE NUR	82-05-26	<30	<100	<10	<10	--	10	SHORT	NONE
SAM AND SAMMYS BARBER SH	82-05-26	200	<100	24	<10	--	60	SHORT	NONE
BUTTERFLY CAMPGROUND 1	82-05-20	50	<100	12	<10	--	10	--	--
SUNRISE BEACH	82-05-11	630	<100	34	<10	--	--	SHORT	NONE
LANOKA HARBOR FIRST AID	82-05-12	<30	<100	20	<10	--	--	SHORT	NONE
BICYCLES UNLIMITED	82-05-25	250	<100	33	<10	--	50	SHORT	NONE
BAKERS ACRES	82-05-17	520	<100	<10	<10	--	140	SHORT	NONE
FAIR OAKS SOUTH SCHOOL	82-05-17	<30	<100	<10	<10	--	10	SHORT	NONE
MANCHESTER B E RDGWY SCH	82-05-26	40	<100	<10	<10	--	<5	SHORT	NONE
EVANGELICAL CONG CH	82-05-26	370	<100	<10	<10	--	<5	SHORT	NONE
PT PLEASANT MEM SCHOOL	82-05-25	20	<100	70	<10	--	930	SHORT	NONE
PT PLEASANT OCEAN RD SCH	82-05-25	320	<100	<10	<10	--	60	SHORT	NONE
NEW EGYPT SPEEDWAY DOM	82-05-20	140	<100	22	<10	--	1200	--	--
HOLIDAY BEACH CLUB	82-05-10	470	<100	<10	<10	--	--	SHORT	NONE
MCDONALDS ROUTE 72	82-05-05	1500	<100	53	<10	--	8	SHORT	NONE
MANAHAWKIN ELKS LODGE	82-05-04	3800	<100	100	<10	--	<5	SHORT	NONE
TIP SEAMAN P VISITOR CEN	82-05-17	<30	<100	<10	<10	--	390	SHORT	NONE
BERKELEY T WORTH EL SCH	82-05-18	1400	<100	15	<10	--	20	SHORT	NONE
VISITATION CHURCH	82-05-12	760	<100	14	<10	--	--	SHORT	NONE
HEFFERON, JOHN	82-05-03	100	<100	20	<10	--	40	SHORT	NONE
PETERSONS RESTAURANT	82-04-21	1900	<100	13	<10	--	50	SHORT	XYLENES = 2.1 UG/L
BRICK TWP MEM HS	82-05-25	1000	<100	<10	<10	--	200	SHORT	NONE
TOMS RIVER EAST HS	82-04-28	350	<100	20	<10	--	160	SHORT	NONE
INSULITE INC	82-05-05	340	<100	20	<10	--	10	SHORT	NONE
EAST DOVER FIRST AID	82-05-03	<30	<100	<10	<10	--	30	SHORT	NONE
SESCO/BAY MACHINE CO	82-04-27	60	<100	<10	<10	--	6	SHORT	NONE
WHITESVILLE V FIRE 1980	82-05-04	210	<100	21	<10	--	1600	SHORT	NONE
NJ ST FORKED RIV MARINA	82-05-12	440	<100	<10	<10	--	--	SHORT	NONE
ST PIUS CATHOLIC CH 1-54	82-04-22	420	<100	11	<10	--	110	--	--
ISLAND BEACH ST PARK	82-05-20	100	<100	20	<10	--	<5	--	--
LAKEHURST PRESBY CHURCH	82-04-27	210	<100	14	<10	--	20	SHORT	NONE

[2] See explanation at end of table.

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

WELL NUMBER	LOCAL IDENTIFIER	AQUIFER UNIT[1]	DATE OF SAMPLE	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	ALKALINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG C DISSOLVED (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
				OCEAN						
29-705	FAIRWAY VILLAGE	121CKKD	82-04-27	12.5	73	6.3	16	59	<.050	<.010
29-706	COMMUNITY REFORM CHURCH.	121CKKD	82-05-04	12.0	27	5.3	4	18	.180	<.010
29-707	MULLER, HENRY IRR	121CKKD	82-04-21	12.0	27	5.0	4	18	<.050	<.010
29-708	READE MFG 1981 (2910979)	121CKKD	82-04-27	13.5	135	5.5	4	--	5.60	.010
29-709	BERKELEY TWP REC FIELD	121CKKD	82-04-27	14.0	61	5.6	6	33	<.050	<.010
29-710	JCP&L PINEWALD & KES RD	121CKKD	82-03-10	12.5	25	5.5	4	10	<.050	<.010
29-711	DOVER T SEW AU STUART DR	121CKKD	82-04-19	12.0	45	5.7	8	34	<.050	<.010
29-712	CRYSTALS FOODS INC	121CKKD	82-01-20	11.0	135	5.3	2	77	.250	<.010
29-716	LACEY TWP HIGH SCHOOL	121CKKD	82-03-31	12.0	35	5.3	4	25	<.050	<.010
29-717	OCEAN LANES BOWL ALLEY	121CKKD	82-03-22	13.0	72	6.7	18	49	.640	<.010
29-718	OCEAN GATE YACHT	121CKKD	82-05-12	14.0	100	7.6	36	68	<.050	<.010
29-719	US ARMY FT DX BIVOUAC 22	121CKKD	82-05-26	13.0	18	5.0	0	--	<.050	<.010
29-721	CRESTWOOD VIL WC 10	121CKKD	82-03-29	12.0	26	4.6	2	13	.140	<.010
29-722	DOVER TWP PUB WORKS GARG	121CKKD	82-04-26	13.0	128	4.8	4	60	.110	<.010
29-724	LACEY TWP MIDDLE SCHOOL	121CKKD	82-03-31	12.0	55	4.5	0	31	.100	<.010
29-725	READE MFG MAIN OFC 1960	121CKKD	82-04-27	14.5	37	5.1	2	19	<.050	<.010
29-726	BRICK TWP MUA 5-70	121CKKD	81-11-12	12.0	1030	5.5	2	542	.900	<.010
29-727	HOLIDAY CITY-BERKELEY	121CKKD	82-05-27	14.0	36	4.9	0	20	<.050	<.010
29-728	WATERSIDE GARDENS	121CKKD	82-05-24	13.0	114	5.2	4	89	.180	<.010
29-729	NJDOT MAINT YARD	121CKKD	82-06-22	10.5	32	6.4	8	20	--	.006
29-730	GSP STAFFORD FORGE PIC A	121CKKD	82-06-24	15.0	32	--	--	22	--	--
29-731	GSP OYSTER C PIC AREA	121CKKD	82-06-24	13.5	46	--	--	38	--	--
29-732	NJ HWY A FORKED R SER 1	121CKKD	82-01-21	11.0	35	5.3	2	19	.220	<.010
29-733	MAPLE GLEN MOB H PK 2-75	121CKKD	82-06-29	14.0	54	6.0	24	18	--	.004
29-735	CRESTWOOD VIL WC 7	121CKKD	82-03-29	11.0	66	6.2	12	42	.080	<.010
29-736	GSP POLHEMUS C PIC AREA	121CKKD	82-06-24	12.5	33	6.7	12	21	--	--
29-737	OCEAN CO UTL AUTH BS-1	121CKKD	82-05-11	12.5	62	5.3	4	46	<.050	<.010
29-738	BERKELEY T CENTRL REG HS	121CKKD	81-12-21	13.5	175	6.0	12	130	<.100	<.010
29-742	OCEAN CO UTL AUTH TR-1	121CKKD	82-05-24	14.0	45	6.0	1	60	.100	<.010
29-743	NOAHS ARK DAY SCHOOL	121CKKD	82-04-28	15.0	59	6.1	12	47	<.050	<.010
29-745	NEW EGYPT SPEEDWAY IRR	121CKKD	82-05-20	13.5	170	5.0	--	102	<.050	<.010
29-746	NJ BELL TEL WORK CENTER	121CKKD	82-05-19	13.5	46	5.3	3	24	<.050	<.010
29-747	OCEAN CO UTL AU CWPCF-2	121CKKD	82-02-23	11.5	69	4.4	0	--	.240	<.010
29-749	OCEAN CO MEM PK CEMETARY	121CKKD	82-05-13	13.5	67	5.5	4	37	<.050	<.010
29-750	DOVER TWP DOG POUND	121CKKD	82-05-19	13.0	33	5.8	0	--	<.050	<.010
29-752	GREENBRIAR I BRYANT RD	121CKKD	82-05-27	13.5	260	4.9	0	134	<.050	<.010
29-753	JACKSON NO 1 FIRE CO A	121CKKD	82-04-28	13.0	30	5.6	6	15	<.050	<.010
29-754	GREENBRIAR I BARKER ST	121CKKD	82-05-27	14.0	162	4.7	0	92	.100	<.010
29-755	ALLYN MANUFACTURING CO	121CKKD	82-04-28	12.5	32	4.6	0	18	<.050	<.010
29-756	ISLAND BEACH ST PK TP	121CKKD	82-05-13	14.0	69	6.3	18	65	<.050	<.010
29-757	MANCHESTER T MUA H OKS 1	121CKKD	81-11-23	11.0	20	5.5	3	12	.200	<.010
29-759	UNITED STATES SAV BANK	121CKKD	82-05-05	12.5	23	5.4	4	--	<.050	<.010
29-760	DOVER TWP RIVERWOOD PARK	121CKKD	82-05-19	14.5	97	5.7	1	60	<.050	<.010
29-761	DOVER TWP SHELTER COVE P	121CKKD	82-05-19	15.0	46	5.4	1	--	<.050	<.010
29-762	CEDAR GLEN HOMES 4-79	121CKKD	81-12-14	14.0	123	6.3	20	90	<.100	<.010
29-763	OCEAN CO UTL AUTH SPS-2	121CKKD	82-03-03	12.0	29	5.3	4	31	<.050	<.010
29-764	OCEAN CO UTL AUTH NPS-2	121CKKD	82-03-03	13.0	77	6.8	4	61	.080	<.010
29-765	STAFFORD WC FAWN LAKES 1	121CKKD	81-12-02	11.5	24	5.7	2	20	<.100	<.010
29-767	OCEAN COUNTY MEDICAL PAR	121CKKD	82-05-10	14.0	113	5.0	4	60	2.90	<.010
29-768	STAFFORD TWP SCHOOL 2-80	121CKKD	82-05-06	12.0	29	5.7	4	19	<.050	<.010
29-769	OCEAN CO AIRPARK	121CKKD	82-05-10	13.5	23	5.3	4	20	.140	<.010
29-465	L EGG HARB MUA-HOLLY LK	122KRKDU	81-12-03	14.0	56	6.4	16	--	<.100	<.010
29-012	BEACH HAVEN BORO WD 7	122KRKDL	81-08-24	17.0	64	6.3	14	55	.070	<.010
29-111	HARVEY CEDARS BORO WD 4	122KRKDL	81-09-03	16.5	68	6.7	23	--	.040	<.010
29-459	LONG BEACH WC-TERRACE 2	122KRKDL	81-08-24	17.0	60	6.3	12	56	.050	<.010
29-461	LONG BEACH WC-BRANT 1	122KRKDL	81-08-24	16.0	60	6.2	14	49	.050	<.010
29-462	L EGG HARB MUA-MYSTIC 3	122KRKDL	81-12-03	16.0	58	6.7	18	63	<.100	<.010
29-464	L EGG HARB MUA-MYSTIC 2	122KRKDL	81-12-03	15.0	65	6.7	20	--	<.100	<.010
29-544	SHIP BOTTOM BORO WD 4	122KRKDL	81-08-24	16.0	60	6.5	16	60	.050	<.010
29-557	STAFFORD WC 3	122KRKDL	81-12-02	15.0	52	6.1	16	52	<.100	<.010
29-560	SURF CITY BORO WD 4	122KRKDL	81-08-24	16.5	62	6.5	18	--	.050	<.010

[1] See table 3 for explanation of aquifer unit codes.

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENTIFIER	DATE OF SAMPLE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
				OCEAN						
FAIRWAY VILLAGE	82-04-27	<.05	.04	.240	.240	1.1	11	3.3	.5	3.4
COMMUNITY REFORM CHURCH	82-05-04	.18	.02	<.010	<.010	.2	2	.3	.2	2.3
MULLER, HENRY IRR	82-04-21	<.05	.37	<.010	<.010	.4	1	.4	.1	2.4
READE MFG 1981 (2910979)	82-04-27	5.6	1.7	<.010	<.010	.9	8	1.5	1.0	6.3
BERKELEY TWP REC FIELD	82-04-27	.36	.16	--	--	.5	4	.6	.5	6.0
JCP&L PINEWALD & KES RD	82-03-10	<.05	.01	.100	<.010	.5	1	.4	.04	1.9
DOVER T SEW AU STUART DR	82-04-19	<.05	1.6	.010	<.010	.3	4	.7	.5	3.9
CRYSTALS FOODS INC	82-01-20	.25	.10	<.010	<.010	<.3	5	.3	1.0	23
LACEY TWP HIGH SCHOOL	82-03-31	.10	<.01	<.010	<.010	.6	2	.4	.3	3.1
OCEAN LANES BOWL ALLEY	82-03-22	.64	<.01	.250	.250	.3	14	3.4	1.4	3.7
OCEAN GATE YACHT	82-05-12	.20	<.01	.220	.220	--	28	7.8	2.1	3.8
US ARMY FT DX BIVOUAC 22	82-05-26	.20	.03	<.010	<.010	.5	1	.2	.2	.6
CRESTWOOD VIL WC 10	82-03-29	.16	.02	<.010	<.010	1.5	1	.3	.1	1.0
DOVER TWP PUB WORKS GARG	82-04-26	.11	8.4	<.010	<.010	.4	19	2.2	3.3	7.2
LACEY TWP MIDDLE SCHOOL	82-03-31	.10	<.01	<.010	<.010	.8	2	.3	.2	1.9
READE MFG MAIN OFC 1960	82-04-27	.30	.37	<.010	<.010	.7	4	.9	.5	2.1
BRICK TWP MUA 5-70	81-11-12	.90	1.0	<.010	<.010	.5	27	9.8	.7	197
HOLIDAY CITY-BERKELEY	82-05-27	.15	.76	<.010	<.010	.4	4	.5	.6	2.3
WATERSIDE GARDENS	82-05-24	.18	5.8	<.010	<.010	.9	18	1.5	3.4	6.6
NJDOT MAINT YARD	82-06-22	.16	.66	--	<.010	<.3	3	.2	.7	2.7
GSP STAFFORD FORGE PIC A	82-06-24	<.05	--	--	--	.3	3	.3	.6	3.7
GSP OYSTER C PIC AREA	82-06-24	.06	--	--	--	<.3	3	.7	.3	2.3
NJ HWY A FORKED R SER 1	82-01-21	.22	.05	.010	<.010	<.3	3	.7	.2	5.3
MAPLE GLEN MOB H PK 2-75	82-06-29	<.05	<.05	--	<.010	.6	1	.1	.2	1.9
CRESTWOOD VIL WC 7	82-03-29	.16	.53	<.010	<.010	.6	15	5.8	.2	3.4
GSP POLHEMUS C PIC AREA	82-06-24	.09	--	--	--	.3	2	.2	.5	3.4
OCEAN CO UTL AUTH BS-1	82-05-11	<.05	1.2	<.010	<.010	2.6	3	.4	.4	10
BERKELEY T CENTRL REG HS	81-12-21	<.10	10.5	.020	.010	.4	40	9.8	3.9	9.5
OCEAN CO UTL AUTH TR-1	82-05-24	.15	<.01	.080	.010	1.0	4	1.6	.1	1.6
NOAHS ARK DAY SCHOOL	82-04-28	.25	.13	<.010	<.010	.4	12	2.3	1.4	4.9
NEW EGYPT SPEEDWAY IRR	82-05-20	<.05	7.5	<.010	<.010	.6	--	--	--	--
NJ BELL TEL WORK CENTER	82-05-19	<.10	.20	<.010	<.010	1.0	6	.6	1.0	3.2
OCEAN CO UTL AU CWPCF-2	82-02-23	.24	.02	<.010	<.010	1.5	4	1.0	.3	4.2
OCEAN CO MEM PK CEMETARY	82-05-13	.10	.06	<.010	<.010	1.3	7	1.2	1.0	6.6
DOVER TWP DOG POUND	82-05-19	<.05	.58	<.010	<.010	.6	4	.2	.8	3.3
GREENBRIAR I BRYANT RD	82-05-27	.15	.63	.010	<.010	1.3	19	4.7	1.7	36
JACKSON NO 1 FIRE CO A	82-04-28	.52	.12	.030	.030	.6	1	.3	.1	2.8
GREENBRIAR I BARKER ST	82-05-27	.25	1.7	.010	<.010	1.1	32	9.4	2.1	6.6
ALLYN MANUFACTURING CO	82-04-28	.23	.02	<.010	<.010	.8	--	--	--	--
ISLAND BEACH ST PK TP	82-05-13	.15	<.01	.050	.040	2.1	5	1.2	.5	6.7
MANCHESTER T MUA H OKS 1	81-11-23	.20	.25	<.010	<.010	<.3	2	.1	.4	2.3
UNITED STATES SAV BANK	82-05-05	<.05	.03	<.010	<.010	.6	2	.1	.4	1.9
DOVER TWP RIVERWOOD PARK	82-05-19	.15	5.4	<.010	<.010	.5	16	1.5	3.0	6.2
DOVER TWP SHELTER COVE P	82-05-19	.20	.06	<.010	<.010	.6	3	.3	.5	5.1
CEDAR GLEN HOMES 4-79	81-12-14	.10	.50	.340	.340	--	37	8.7	3.8	5.0
OCEAN CO UTL AUTH SPS-2	82-03-03	.06	.02	<.010	<.010	1.1	2	.5	.1	2.2
OCEAN CO UTL AUTH NPS-2	82-03-03	.10	.01	.040	.040	1.5	7	2.0	.4	7.9
STAFFORD WC FAWN LAKES 1	81-12-02	.10	.02	<.010	<.010	<.3	2	.3	.2	2.5
OCEAN COUNTY MEDICAL PAR	82-05-10	2.9	.52	.010	<.010	1.2	4	.5	.5	12
STAFFORD TWP SCHOOL 2-80	82-05-06	.06	.03	<.010	<.010	.2	2	.5	.2	2.5
OCEAN CO AIRPARK	82-05-10	.14	.02	<.010	<.010	.3	1	.2	.2	1.8
L EGG HARB MUA-HOLLY LK	81-12-03	<.10	<.01	.490	.480	<.3	0	2.3	1.0	3.2
BEACH HAVEN BORO WD 7	81-08-24	--	.08	--	<.010	1.7	0	2.1	1.1	3.4
HARVEY CEDARS BORO WD 4	81-09-03	--	.01	--	.050	.3	17	4.0	1.6	3.0
LONG BEACH WC-TERRACE 2	81-08-24	--	1.6	--	<.010	.6	8	1.6	.9	2.2
LONG BEACH WC-BRANT 1	81-08-24	--	.07	--	<.010	.7	9	1.9	1.0	2.6
L EGG HARB MUA-MYSTIC 3	81-12-03	<.10	<.01	.070	.060	<.3	7	1.5	.7	4.7
L EGG HARB MUA-MYSTIC 2	81-12-03	<.10	<.01	.070	.060	1.3	10	2.7	.9	3.2
SHIP BOTTOM BORO WD 4	81-08-24	--	.06	--	<.010	1.0	11	2.3	1.2	2.7
STAFFORD WC 3	81-12-02	<.10	.02	.020	.020	.3	8	1.9	.7	2.8
SURF CITY BORO WD 4	81-08-24	--	.06	--	<.010	.7	11	2.4	1.2	3.5

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENTIFIER	DATE OF SAMPLE	POTASSIUM, DISSOLVED (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)
				OCEAN						
FAIRWAY VILLAGE	82-04-27	2.8	4.0	2.0	--	<100	<5	<5	<50	<20
COMMUNITY REFORM CHURCH	82-05-04	.4	3.0	1.0	--	<100	<5	<5	<50	<20
MULLER, HENRY IRR	82-04-21	.1	4.0	1.0	--	<100	<5	<5	<50	39
READE MFG 1981 (2910979)	82-04-27	.8	10	18	--	<100	<5	<5	<50	<20
BERKELEY TWP REC FIELD	82-04-27	.8	8.0	8.0	--	<100	<5	<5	<50	<20
JCP&L PINEWALD & KES RD	82-03-10	.1	3.0	2.0	--	<100	<5	<5	<50	420
DOVER T SEW AU STUART DR	82-04-19	1.1	5.0	1.0	--	<100	<5	<5	<50	25
CRYSTALS FOODS INC	82-01-20	.8	34	1.0	--	<100	<5	<5	<50	310
LACEY TWP HIGH SCHOOL	82-03-31	.6	6.0	2.0	--	<100	<5	<5	<50	54
OCEAN LANES BOWL ALLEY	82-03-22	1.5	5.0	8.0	--	<100	<5	<5	<50	<20
OCEAN GATE YACHT	82-05-12	2.4	6.0	3.0	--	<100	<5	<5	<50	<20
US ARMY FT DX BIVOUAC 22	82-05-26	.1	2.0	<1.0	--	<100	<5	<5	<50	200
CRESTWOOD VIL WC 10	82-03-29	.4	3.0	2.0	--	<100	<5	<5	<50	<20
DOVER TWP PUB WORKS GARG	82-04-26	3.1	13	<1.0	--	<100	<5	<5	<50	27
LACEY TWP MIDDLE SCHOOL	82-03-31	2.0	4.0	9.0	--	<100	<5	<5	<50	<20
READE MFG MAIN OFC 1960	82-04-27	.4	6.0	4.0	--	<100	<5	<5	<50	<20
BRICK TWP MUA 5-70	81-11-12	1.5	300	16	--	<100	--	--	--	--
HOLIDAY CITY-BERKELEY	82-05-27	.3	5.0	<1.0	--	<100	<5	<5	<50	<20
WATERSIDE GARDENS	82-05-24	.8	11	2.0	--	<100	<5	<5	<50	<20
NJDOT MAINT YARD	82-06-22	.4	4.2	<1.0	5.1	--	--	<1	10	2
GSP STAFFORD FORGE PIC A	82-06-24	.4	5.6	3.0	4.4	--	--	1	<10	--
GSP OYSTER C PIC AREA	82-06-24	1.4	3.9	11	13	--	--	<1	<10	41
NJ HWY A FORKED R SER 1	82-01-21	.2	5.0	1.0	--	<100	<5	<5	<50	140
MAPLE GLEN MOB H PK 2-75	82-06-29	.2	2.9	1.0	9.1	--	--	1	10	2
CRESTWOOD VIL WC 7	82-03-29	.5	6.0	5.0	--	<100	<5	<5	<50	<20
GSP POLHEMUS C PIC AREA	82-06-24	.3	5.1	<1.0	5.1	--	--	<1	<10	--
OCEAN CO UTL AUTH BS-1	82-05-11	.4	12	2.0	--	<100	<5	<5	<50	160
BERKELEY T CENTRL REG HS	81-12-21	3.2	12	1.0	--	100	<5	<5	<50	32
OCEAN CO UTL AUTH TR-1	82-05-24	1.3	2.0	8.0	--	<100	<5	<5	<50	<20
NOAHS ARK DAY SCHOOL	82-04-28	.7	8.0	2.0	--	<100	<5	<5	<50	25
NEW EGYPT SPEEDWAY IRR	82-05-20	--	7.0	30	--	<100	<5	<5	<50	33
NJ BELL TEL WORK CENTER	82-05-19	1.0	5.0	2.0	--	<100	<5	<5	<50	64
OCEAN CO UTL AU CWPCF-2	82-02-23	.6	6.0	10	--	<100	<5	<5	<50	20
OCEAN CO MEM PK CEMETARY	82-05-13	.8	12	2.0	--	<100	<5	<5	<50	20
DOVER TWP DOG POUND	82-05-19	.9	4.0	2.0	--	<100	<5	<5	<50	69
GREENBRIAR I BRYANT RD	82-05-27	1.6	55	10	--	<100	<5	<5	<50	<20
JACKSON NO 1 FIRE CO A	82-04-28	.4	4.0	2.0	--	<100	<5	<5	<50	<20
GREENBRIAR I BARKER ST	82-05-27	2.5	11	30	--	<100	<5	<5	<50	<20
ALLYN MANUFACTURING CO	82-04-28	--	--	--	--	<100	<5	<5	<50	22
ISLAND BEACH ST PK TP	82-05-13	2.1	3.0	10	--	<100	<5	<5	<50	<20
MANCHESTER T MUA H OKS 1	81-11-23	.2	3.0	<1.0	--	<100	<5	<5	<50	<20
UNITED STATES SAV BANK	82-05-05	.1	4.0	<1.0	--	<100	<5	<5	<50	40
DOVER TWP RIVERWOOD PARK	82-05-19	1.8	10	<1.0	--	<100	<5	<5	<50	95
DOVER TWP SHELTER COVE P	82-05-19	.5	8.0	<1.0	--	<100	<5	<5	<50	52
CEDAR GLEN HOMES 4-79	81-12-14	2.2	6.0	22	--	100	<5	<5	<50	<20
OCEAN CO UTL AUTH SPS-2	82-03-03	.6	4.0	2.0	--	<100	<5	<5	<50	<20
OCEAN CO UTL AUTH NPS-2	82-03-03	2.3	13	2.0	--	--	<5	<5	<50	<20
STAFFORD WC FAWN LAKES 1	81-12-02	.3	4.0	<1.0	--	<100	<5	<5	--	<20
OCEAN COUNTY MEDICAL PAR	82-05-10	1.1	11	16	--	<100	<5	<5	<50	<20
STAFFORD TWP SCHOOL 2-80	82-05-06	.3	4.0	2.0	--	<100	<5	<5	<50	<20
OCEAN CO AIRPARK	82-05-10	.2	3.0	1.0	--	<100	<5	<5	<50	<20
L EGG HARB MUA-HOLLY LK	81-12-03	2.6	2.0	7.0	--	<100	<5	<5	<50	<20
BEACH HAVEN BORO WD 7	81-08-24	3.0	3.0	9.2	28	10	<.5	3	3	<10
HARVEY CEDARS BORO WD 4	81-09-03	2.8	3.2	8.2	34	<2	<.5	2	<1	<10
LONG BEACH WC-TERRACE 2	81-08-24	3.1	3.0	9.0	26	30	<.5	1	3	<10
LONG BEACH WC-BRANT 1	81-08-24	3.0	3.1	7.6	27	20	<.5	<1	1	<10
L EGG HARB MUA-MYSTIC 3	81-12-03	.2	2.0	6.0	--	<100	<5	<5	<50	<20
L EGG HARB MUA-MYSTIC 2	81-12-03	3.0	2.0	6.0	--	<100	<5	<5	<50	<20
SHIP BOTTOM BORO WD 4	81-08-24	3.1	3.1	6.9	29	10	<.5	2	1	<10
STAFFORD WC 3	81-12-02	.2	3.0	4.0	--	<100	<5	<5	--	<20
SURF CITY BORO WD 4	81-08-24	2.8	3.2	7.4	31	4	<.5	<1	<1	<10

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENTIFIER	DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	ZINC, DISSOLVED (UG/L AS ZN)	VOLATILE ORGANIC COMPOUNDS[2] TYPE OF SCAN	VOLATILE ORGANIC COMPOUNDS[2] COMPOUNDS DETECTED
				OCEAN					
FAIRWAY VILLAGE	82-04-27	1500	<100	25	<10	--	60	--	--
COMMUNITY REFORM CHURCH	82-05-04	770	<100	<10	<10	--	230	SHORT	NONE
MULLER, HENRY IRR	82-04-21	<30	<100	<10	<10	--	10	SHORT	NONE
READE MFG 1981 (2910979)	82-04-27	1100	<100	88	<10	--	20	--	--
BERKELEY TWP REC FIELD	82-04-27	910	<100	26	<10	--	100	--	--
JCP&L PINEWALD & KES RD	82-03-10	470	<100	<10	<10	--	60	SHORT	NONE
DOVER T SEW AU STUART DR	82-04-19	550	<100	21	<10	--	10	SHORT	NONE
CRYSTALS FOODS INC	82-01-20	490	<100	23	<10	--	40	SHORT	BENZENE = 2.0 UG/L TOLUENE = 2.0 UG/L
LACEY TWP HIGH SCHOOL	82-03-31	240	<100	<10	<10	--	110	--	--
OCEAN LANES BOWL ALLEY	82-03-22	1300	<100	15	<10	--	<5	SHORT	NONE
OCEAN GATE YACHT	82-05-12	1300	<100	84	<10	--	--	SHORT	NONE
US ARMY FT DX BIVOUAC 22	82-05-26	100	<100	<10	<10	--	10	--	--
CRESTWOOD VIL WC 10	82-03-29	130	<100	<10	<10	--	20	SHORT	NONE
DOVER TWP PUB WORKS GARG	82-04-26	420	<100	33	<10	--	60	SHORT	NONE
LACEY TWP MIDDLE SCHOOL	82-03-31	410	<100	<10	<10	--	30	SHORT	NONE
READE MFG MAIN OFC 1960	82-04-27	110	<100	26	<10	--	10	SHORT	NONE
BRICK TWP MUA 5-70	81-11-12	1300	--	94	--	--	--	--	--
HOLIDAY CITY-BERKELEY	82-05-27	<30	<100	<10	<10	--	20	SHORT	NONE
WATERSIDE GARDENS	82-05-24	200	<100	30	<10	--	20	SHORT	NONE
NJDOT MAINT YARD	82-06-22	71	4	7	--	--	60	--	--
GSP STAFFORD FORGE PIC A	82-06-24	130	--	66	--	--	140	--	--
GSP OYSTER C PIC AREA	82-06-24	1900	2	21	--	--	44	--	--
NJ HWY A FORKED R SER 1	82-01-21	130	<100	<10	<10	--	10	SHORT	NONE
MAPLE GLEN MOB H PK 2-75	82-06-29	12000	<1	26	--	--	700	--	--
CRESTWOOD VIL WC 7	82-03-29	<30	<100	<10	<10	--	<5	SHORT	NONE
GSP POLHEMUS C PIC AREA	82-06-24	84	2	10	--	--	--	--	--
OCEAN CO UTL AUTH BS-1	82-05-11	<30	<100	<10	<10	--	--	SHORT	NONE
BERKELEY T CENTRL REG HS	81-12-21	<30	<100	88	<10	--	20	SHORT	NONE
OCEAN CO UTL AUTH TR-1	82-05-24	2000	<100	13	<10	--	10	--	--
NOAHS ARK DAY SCHOOL	82-04-28	40	<100	<10	<10	--	50	SHORT	NONE
NEW EGYPT SPEEDWAY IRR	82-05-20	40	<100	11	<10	--	10	SHORT	NONE
NJ BELL TEL WORK CENTER	82-05-19	70	<100	13	<10	--	380	SHORT	NONE
OCEAN CO UTL AU CWPCF-2	82-02-23	470	<100	10	<10	--	40	SHORT	NONE
OCEAN CO MEM PK CEMETARY	82-05-13	420	<100	13	<10	--	310	SHORT	NONE
DOVER TWP DOG POUND	82-05-19	170	<100	13	<10	--	<5	SHORT	NONE
GREENBRIAR I BRYANT RD	82-05-27	80	<100	70	<10	--	<5	SHORT	NONE
JACKSON NO 1 FIRE CO A	82-04-28	1400	<100	70	<10	--	290	SHORT	NONE
GREENBRIAR I BARKER ST	82-05-27	90	<100	79	<10	--	10	SHORT	NONE
ALLYN MANUFACTURING CO	82-04-28	170	<100	<10	<10	--	10	SHORT	NONE
ISLAND BEACH ST PK TP	82-05-13	1100	<100	13	<10	--	10	SHORT	NONE
MANCHESTER T MUA H OKS 1	81-11-23	<30	<100	<10	<10	--	10	--	--
UNITED STATES SAV BANK	82-05-05	140	<100	<10	<10	--	8	SHORT	NONE
DOVER TWP RIVERWOOD PARK	82-05-19	30	<100	30	<10	--	<5	SHORT	NONE
DOVER TWP SHELTER COVE P	82-05-19	360	<100	<10	<10	--	10	SHORT	NONE
CEDAR GLEN HOMES 4-79	81-12-14	1100	<100	63	<10	--	90	SHORT	NONE
OCEAN CO UTL AUTH SPS-2	82-03-03	160	<100	<10	<10	--	<5	SHORT	NONE
OCEAN CO UTL AUTH NPS-2	82-03-03	600	<100	14	<10	--	30	SHORT	NONE
STAFFORD WC FAWN LAKES 1	81-12-02	70	<100	<10	<10	--	10	--	--
OCEAN COUNTY MEDICAL PAR	82-05-10	480	<100	70	<10	--	--	--	--
STAFFORD TWP SCHOOL 2-80	82-05-06	60	<100	<10	<10	--	--	--	--
OCEAN CO AIRPARK	82-05-10	80	<100	<10	<10	--	--	--	--
L EGG HARB MUA-HOLLY LK	81-12-03	1200	<100	16	<10	--	<5	SHORT	NONE
BEACH HAVEN BORO WD 7	81-08-24	1800	<10	40	--	38	13	--	--
HARVEY CEDARS BORO WD 4	81-09-03	830	<10	38	--	62	10	--	--
LONG BEACH WC-TERRACE 2	81-08-24	2400	<10	40	--	33	22	--	--
LONG BEACH WC-BRANT 1	81-08-24	2400	<10	40	--	34	11	--	--
L EGG HARB MUA-MYSTIC 3	81-12-03	1800	<100	29	<10	--	<5	--	--
L EGG HARB MUA-MYSTIC 2	81-12-03	2500	<100	45	<10	--	10	--	--
SHIP BOTTOM BORO WD 4	81-08-24	1700	<10	43	--	41	17	--	--
STAFFORD WC 3	81-12-02	2000	<100	31	<10	--	10	--	--
SURF CITY BORO WD 4	81-08-24	1700	<10	40	--	44	41	--	--

[2] See explanation at end of table.

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

WELL NUMBER	LOCAL IDENTIFIER	AQUIFER UNIT[1]	DATE OF SAMPLE	TEMPERATURE (°C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	ALKALINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG C DISSOLVED (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
				OCEAN						
29-565	TUCKERTON MUA 1-64	122KRKDL	82-01-07	15.0	67	6.3	12	65	.060	<.010
29-597	TUCKERTON MUA 5-79	122KRKDL	82-01-07	15.0	70	6.5	16	--	.220	<.010
29-115	ISLAND HTS BORO WD 8	124MNSQ	82-04-27	13.5	112	6.7	40	73	<.050	<.010
29-425	USGS-WEBBS MILLS OBS 2	124MNSQ	82-05-20	13.5	167	8.6	66	97	<.050	<.010
29-537	SEASIDE HTS BORO WD 2	124MNSQ	81-08-28	14.5	223	7.8	100	142	.130	<.010
29-541	SEASIDE PARK BORO WD 2	124MNSQ	81-08-28	14.0	205	7.7	92	140	.120	<.010
29-607	BARNEGAT LT BORO WD 4-80	124MNSQ	81-09-03	17.0	340	8.3	166	211	.180	<.010
29-616	OCEAN GATE BORO WD 2	124MNSQ	81-08-25	14.0	163	7.1	71	115	.110	<.010
29-723	NJ STATE GAME FARM 1912	124EOCN	82-04-19	10.5	410	8.2	220	269	.220	<.010
29-739	OCEAN CO COLL REC FIELD	124EOCN	82-05-05	12.5	68	6.6	20	64	<.050	.010
29-139	USGS-COLLIERS MILLS TW 2	125VNCN	82-04-20	12.5	129	8.8	64	85	.180	<.010
29-240	JACKSON TWP MUA 5-72	125VNCN	81-11-16	13.0	140	8.2	58	93	<.100	<.010
29-636	LAND-O-PINES TRLR PK	125VNCN	81-12-17	13.0	140	8.2	76	92	<.100	<.010
29-654	SHADY LK T PARK	125VNCN	82-03-22	12.0	160	8.2	80	101	.480	<.010
29-658	JACKSON BAPTIST CHURCH	125VNCN	82-03-22	12.0	153	8.3	72	84	.520	<.010
29-660	OAK TREE MOBILE HOME PK	125VNCN	81-12-30	15.0	160	8.0	68	106	.050	<.010
29-698	JELLYSTONE PARK	125VNCN	82-04-22	12.0	106	8.3	56	78	<.050	<.010
29-700	BENNETT PLAZA	125VNCN	82-05-18	12.5	164	6.8	--	99	<.050	<.010
29-714	MINCEMOYER NURSERY IRRIG	125VNCN	82-04-19	12.0	146	8.2	64	96	<.050	<.010
29-715	R P PROFILES CORP	125VNCN	82-05-10	13.0	174	8.2	74	109	.050	<.010
29-741	JACKSON 1 FIRE CO (NPR)	125VNCN	82-04-28	13.5	136	8.2	58	87	<.050	<.010
29-744	US ARMY FT DX BRINDLE LK	125VNCN	82-05-26	14.0	167	8.1	--	116	.150	<.010
29-036	BRICK TWP BD ED HS	211MLRW	82-01-05	15.0	215	8.1	100	128	.450	<.010
29-140	USGS-COLLIERS MILLS TW 3	211MLRW	82-04-20	14.0	178	8.5	82	92	.140	<.010
29-225	S WIND MOB H V OLMS 1-69	211MLRW	81-12-17	14.0	175	8.2	82	98	<.100	.020
29-234	GREAT ADVENT ANIMAL CARE	211MLRW	82-05-13	13.0	163	8.1	72	101	.160	<.010
29-630	JACKSON T MIDDLE SCHOOL	211MLRW	81-12-23	13.5	173	8.1	88	114	<.050	<.010
29-643	OAK GROVE MOBILE HOME PK	211MLRW	82-03-17	12.5	158	8.2	76	108	<.050	<.010
29-699	JACKSON T B ED GOETZ SCH	211MLRW	82-05-27	13.5	198	8.2	82	104	<.050	<.010
29-713	JACKSON TWP LIBRARY	211MLRW	82-05-04	13.0	195	8.2	88	109	.340	<.010
29-740	OCEAN CO VOC S JACKSON 2	211MLRW	81-12-17	14.0	180	8.2	98	98	.100	<.010
29-751	JACKSON MUNICIPAL BLDG	211MLRW	82-05-04	15.5	180	8.1	90	107	.190	<.010
29-006	NJWC OC CO DIS BAYHEAD 6	211EGLS	81-09-01	20.0	206	7.4	98	113	.410	<.010
29-138	USGS-COLLIERS MILLS TW1	211EGLS	82-04-26	14.5	167	8.3	84	90	.160	<.010
29-228	JACKSON TWP MUA 3	211EGLS	81-11-16	14.0	174	8.1	86	110	.600	<.010
29-229	JACKSON TWP MUA 1	211EGLS	81-11-17	15.0	155	8.0	74	98	.300	<.010
29-236	JACKSON TWP MUA 2	211EGLS	81-11-16	15.0	150	7.8	74	102	<.100	<.010
29-237	GREAT ADVENT ELEPHNT HSE	211EGLS	82-05-13	14.0	151	7.7	64	101	.850	<.010
29-431	LAKEWOOD TWP MUA 2	211EGLS	81-11-19	17.0	175	8.0	76	105	.100	.010
29-433	LAKEWOOD TWP MUA 3	211EGLS	81-11-19	21.0	138	7.5	52	83	<.100	<.010
29-434	NJWC LAKEWOOD DIV 7	211EGLS	81-12-09	17.0	175	8.3	88	--	.200	<.010
29-449	NJWC LAKEWOOD DIV 9	211EGLS	81-12-09	17.0	184	8.2	98	--	<.100	<.010
29-450	NJWC LAKEWOOD DIV 6	211EGLS	81-12-09	16.0	160	8.2	80	--	<.100	<.010
29-454	LAVALLETTE BORO WD 2	211EGLS	81-09-01	21.0	382	7.9	201	233	.400	<.010
29-519	NEW EGYPT WC 1-1907	211EGLS	82-01-05	13.0	153	7.9	82	105	.400	<.010
29-530	PT PLEASANT BORO WD 6	211EGLS	81-09-03	20.0	186	7.7	92	103	.170	.040
29-045	BRICK TWP MUA 9-73	211MRPA	81-11-12	22.5	180	7.3	42	96	.700	<.010
29-100	NJWC OC CO DIS NORMNDY 3	211MRPA	81-09-01	24.5	170	6.9	77	105	.230	<.010
29-118	LAKEHURST NAS 32-64	211MRPA	82-04-13	23.0	130	6.8	44	70	.170	.010
29-440	NJWC LAKEWOOD DIV 10-72	211MRPA	82-05-17	23.0	100	6.7	8	--	--	--
29-453	LAVALLETTE BORO WD 4	211MRPA	81-09-01	23.0	170	7.5	89	107	.260	<.010
29-490	AM-SMELT AND REF CO 2-72	211MRPA	81-12-14	24.5	108	6.8	46	72	<.100	.010
29-531	PT PLEASANT BORO WD 5	211MRPA	81-09-03	19.5	142	6.8	62	81	.090	<.010
29-576	JACKSON TWP MUA 8	211MRPA	81-11-16	15.0	120	7.2	60	81	<.100	<.010
29-581	JACKSON TWP MUA 10	211MRPA	82-05-13	17.0	68	6.2	24	45	<.050	.010
29-588	LAKEWOOD TWP MUA 7	211MRPA	81-11-19	22.0	102	6.8	38	63	<.100	<.010
29-626	TOMS RIVER WC 30-81	211MRPA	81-08-31	26.0	120	6.8	48	79	.050	<.010

[1] See table 3 for explanation of aquifer unit codes.

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENT-I-FIER	DATE OF SAMPLE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
				OCEAN						
TUCKERTON MUA 1-64	82-01-07	.24	.01	.090	.080	.6	9	2.2	.8	3.3
TUCKERTON MUA 5-79	82-01-07	.24	.02	.440	.440	1.4	0	2.8	.7	2.7
ISLAND HTS BORO WD 8	82-04-27	.21	2.1	.460	.340	.6	7	2.2	.4	21
USGS-WEBBS MILLS OBS 2	82-05-20	<.05	<.01	.200	.200	.4	46	17	1.0	3.8
SEASIDE HTS BORO WD 2	81-08-28	--	.04	--	.260	1.3	16	5.3	.8	43
SEASIDE PARK BORO WD 2	81-08-28	--	.03	--	.260	1.9	22	4.7	2.5	35
BARNEGAT LT BORO WD 4-80	81-09-03	--	.06	--	.040	4.4	31	7.3	3.1	62
OCEAN GATE BORO WD 2	81-08-25	--	.03	--	.170	.6	52	18	1.6	12
NJ STATE GAME FARM 1912	82-04-19	.22	<.01	<.010	<.010	2.0	21	4.2	2.6	95
OCEAN CO COLL REC FIELD	82-05-05	.10	<.01	.740	.740	.7	16	3.1	1.9	6.2
USGS-COLLIERS MILLS TW 2	82-04-20	.18	.03	<.010	<.010	.7	40	13	1.9	2.1
JACKSON TWP MUA 5-72	81-11-16	.20	.04	.120	.120	.7	63	23	1.3	3.0
LAND-O-PINES TRLR PK	81-12-17	<.10	<.01	.150	.150	<.3	56	22	.3	1.5
SHADY LK T PARK	82-03-22	.48	<.01	.040	.040	1.8	81	30	1.5	1.3
JACKSON BAPTIST CHURCH	82-03-22	.52	<.01	.060	.060	.6	67	22	3.0	1.8
OAK TREE MOBILE HOME PK	81-12-30	<.05	.02	.170	.170	.6	87	34	.6	1.6
JELLYSTONE PARK	82-04-22	<.05	.02	.070	.070	1.3	56	21	.8	2.4
BENNETT PLAZA	82-05-18	<.05	<.01	.100	--	.6	58	22	.8	1.5
MINCEMOYER NURSERY IRRIG	82-04-19	.10	<.01	.090	.090	.4	62	22	1.7	2.6
R P PROFILES CORP	82-05-10	.10	.04	.150	.130	.4	--	--	.7	1.4
JACKSON 1 FIRE CO (NPR)	82-04-28	.35	.05	.060	.030	.2	47	17	1.0	3.4
US ARMY FT DX BRINDLE LK	82-05-26	.20	.04	.070	.030	1.5	56	17	3.2	1.9
BRICK TWP BD ED HS	82-01-05	.45	.07	.020	.020	.6	52	12	5.1	14
USGS-COLLIERS MILLS TW 3	82-04-20	.24	.02	.020	<.010	1.0	72	23	3.6	2.1
S WIND MOB H V OLMS 1-69	81-12-17	.10	.06	.030	.030	.5	61	18	3.9	2.4
GREAT ADVENT ANIMAL CARE	82-05-13	.16	<.01	.220	.210	1.4	50	19	.9	1.4
JACKSON T MIDDLE SCHOOL	81-12-23	.22	<.01	.030	.030	.3	78	28	2.1	1.5
OAK GROVE MOBILE HOME PK	82-03-17	.16	.06	.040	<.010	1.0	74	27	1.7	1.8
JACKSON T B ED GOETZ SCH	82-05-27	.15	.01	<.010	<.010	.6	83	32	.9	1.2
JACKSON TWP LIBRARY	82-05-04	.34	<.01	<.010	<.010	.6	87	31	2.3	2.1
OCEAN CO VOC S JACKSON 2	81-12-17	.20	.06	.020	.020	3.0	79	20	7.0	4.4
JACKSON MUNICIPAL BLDG	82-05-04	.25	.02	<.010	<.010	1.1	92	34	2.0	1.5
NJWC OC CO DIS BAYHEAD 6	81-09-01	--	.05	--	.040	<.3	66	16	6.1	11
USGS-COLLIERS MILLS TW1	82-04-26	.20	.06	.100	.080	.4	77	25	3.6	3.0
JACKSON TWP MUA 3	81-11-16	.60	<.01	.070	.070	.5	75	23	4.5	2.4
JACKSON TWP MUA 1	81-11-17	.30	.02	.100	.100	.5	88	31	2.6	2.6
JACKSON TWP MUA 2	81-11-16	.30	<.01	.040	.040	.4	64	26	.0	3.1
GREAT ADVENT ELEPHNT HSE	82-05-13	.85	.01	.440	.440	.4	49	18	1.0	.9
LAKEWOOD TWP MUA 2	81-11-19	.10	.11	.040	.030	.3	56	16	3.9	4.3
LAKEWOOD TWP MUA 3	81-11-19	.10	.02	.010	.010	.5	58	20	2.0	2.8
NJWC LAKEWOOD DIV 7	81-12-09	.20	<.01	.580	.090	2.6	80	23	5.4	2.9
NJWC LAKEWOOD DIV 9	81-12-09	.20	.02	.070	.050	<.3	77	23	5.1	3.6
NJWC LAKEWOOD DIV 6	81-12-09	<.10	<.01	.090	.050	<.3	75	25	3.4	2.5
LAVALLETTE BORO WD 2	81-09-01	--	.03	--	.060	1.3	22	5.2	2.1	80
NEW EGYPT WC 1-1907	82-01-05	.40	.02	.080	.070	.8	77	27	2.3	2.3
PT PLEASANT BORO WD 6	81-09-03	--	.06	--	.040	.7	74	19	6.4	4.6
BRICK TWP MUA 9-73	81-11-12	.70	.05	<.010	<.010	1.2	51	16	2.9	5.0
NJWC OC CO DIS NORMNDY 3	81-09-01	--	<.01	--	.030	1.2	47	13	3.4	11
LAKEHURST NAS 32-64	82-04-13	.17	.02	.020	.020	.3	35	11	1.8	2.1
NJWC LAKEWOOD DIV 10-72	82-05-17	--	--	--	--	--	--	--	--	--
LAVALLETTE BORO WD 4	81-09-01	--	.04	--	.030	.8	29	7.9	2.1	25
AM SMELT AND REF CO 2-72	81-12-14	.10	.01	.070	.070	<.3	37	12	1.6	1.8
PT PLEASANT BORO WD 5	81-09-03	--	.01	--	.010	1.4	51	15	3.2	1.9
JACKSON TWP MUA 8	81-11-16	<.10	<.01	<.010	<.010	<.3	38	14	1.0	9.5
JACKSON TWP MUA 10	82-05-13	<.05	<.01	.070	.060	.4	15	4.6	.9	1.0
LAKEWOOD TWP MUA 7	81-11-19	<.10	<.01	.110	.110	<.3	28	9.2	1.1	2.1
TOMS RIVER WC 30-81	81-08-31	--	.04	--	.020	.3	46	14	2.4	1.9

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENTIFIER	DATE OF SAMPLE	POTASSIUM, DISSOLVED (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	SILICA, DISSOLVED (MG/L AS SIO2)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)
				OCEAN						
TUCKERTON MUA 1-64	82-01-07	2.1	2.0	10	--	<100	<5	<5	<50	<20
TUCKERTON MUA 5-79	82-01-07	1.5	1.0	9.0	--	<100	<5	<5	<50	<20
ISLAND HTS BORO WD 8	82-04-27	3.5	4.0	2.0	--	<100	<5	<5	<50	<20
USGS-WEBBS MILLS OBS 2	82-05-20	.4	1.0	12	--	<100	<5	<5	<50	<20
SEASIDE HTS BORO WD 2	81-08-28	4.3	2.0	8.8	18	<2	<.5	<1	1	<10
SEASIDE PARK BORO WD 2	81-08-28	5.1	1.0	11	20	<2	<.5	3	4	<10
BARNEGAT LT BORO WD 4-80	81-09-03	5.6	1.9	16	12	<2	<.5	4	2	<10
OCEAN GATE BORO WD 2	81-08-25	4.3	2.9	9.4	31	<2	<.5	2	<1	<10
NJ STATE GAME FARM 1912	82-04-19	6.5	<1.0	10	--	<100	<5	<5	<50	<20
OCEAN CO COLL REC FIELD	82-05-05	1.2	3.0	7.0	--	<100	<5	<5	<50	<20
USGS-COLLIERS MILLS TW 2	82-04-20	5.9	1.0	8.0	--	<100	<5	<5	<50	<20
JACKSON TWP MUA 5-72	81-11-16	3.6	3.0	16	--	<100	<5	<5	--	<20
LAND-O-PINES TRLR PK	81-12-17	1.9	3.0	4.0	--	<100	5	<5	<50	<20
SHADY LK T PARK	82-03-22	1.5	2.0	8.0	--	<100	<5	<5	<50	<20
JACKSON BAPTIST CHURCH	82-03-22	5.1	2.0	5.0	--	<100	<5	<5	<50	<20
OAK TREE MOBILE HOME PK	81-12-30	1.1	4.0	10	--	<100	<5	<5	<50	<20
JELLYSTONE PARK	82-04-22	2.1	3.0	5.0	--	<100	<5	<5	<50	<20
BENNETT PLAZA	82-05-18	2.6	2.0	4.0	--	<100	<5	<5	<50	<20
MINCEMOYER NURSERY IRRIG	82-04-19	2.8	3.0	10	--	<100	<5	<5	<50	<20
R P PROFILES CORP	82-05-10	1.5	2.0	6.0	--	<100	<5	<5	<50	<20
JACKSON 1 FIRE CO (NPR)	82-04-28	1.4	2.0	8.0	--	<100	<5	<5	<50	<20
US ARMY FT DX BRINDLE LK	82-05-26	3.5	1.0	3.0	--	<100	5	<5	<50	<20
BRICK TWP BD ED HS	82-01-05	7.5	<1.0	14	--	<100	<5	<5	<50	<20
USGS-COLLIERS MILLS TW 3	82-04-20	5.2	1.0	4.0	--	<100	<5	<5	<50	<20
S WIND MOB H V OLMS 1-69	81-12-17	4.2	2.0	2.0	--	<100	5	<5	<50	<20
GREAT ADVENT ANIMAL CARE	82-05-13	2.7	2.0	4.0	--	<100	<5	<5	<50	<20
JACKSON T MIDDLE SCHOOL	81-12-23	2.5	2.0	3.0	--	<100	<5	<5	<50	<20
OAK GROVE MOBILE HOME PK	82-03-17	3.4	2.0	8.0	--	<100	<5	<5	<50	<20
JACKSON T B ED GOETZ SCH	82-05-27	2.5	2.0	1.0	--	<100	5	<5	<50	<20
JACKSON TWP LIBRARY	82-05-04	3.9	2.0	6.0	--	<100	<5	<5	<50	<20
OCEAN CO VOC S JACKSON 2	81-12-17	9.6	1.0	<1.0	--	<100	<5	<5	<50	<20
JACKSON MUNICIPAL BLDG	82-05-04	2.3	1.0	4.0	--	<100	<5	<5	<50	<20
NJWC OC CO DIS BAYHEAD 6	81-09-01	8.6	.9	8.5	11	<2	<.5	3	<1	<10
USGS-COLLIERS MILLS TW1	82-04-26	3.8	1.0	4.0	--	<100	<5	<5	<50	<20
JACKSON TWP MUA 3	81-11-16	7.5	<1.0	6.0	--	<100	<5	7	--	<20
JACKSON TWP MUA 1	81-11-17	3.5	<1.0	6.0	--	200	<5	<5	--	<20
JACKSON TWP MUA 2	81-11-16	3.5	2.0	6.0	--	<100	<5	<5	--	<20
GREAT ADVENT ELEPHNT HSE	82-05-13	6.2	3.0	5.0	--	<100	<5	<5	<50	<20
LAKEWOOD TWP MUA 2	81-11-19	1.6	3.0	6.0	--	<100	<5	<5	<50	<20
LAKEWOOD TWP MUA 3	81-11-19	3.2	4.0	7.0	--	200	<5	<5	<50	<20
NJWC LAKEWOOD DIV 7	81-12-09	5.2	<1.0	2.0	--	<100	<5	<5	<50	<20
NJWC LAKEWOOD DIV 9	81-12-09	4.0	1.0	4.0	--	<100	<5	<5	<50	<20
NJWC LAKEWOOD DIV 6	81-12-09	3.5	1.0	4.0	--	<100	<5	<5	<50	<20
LAVALLETTE BORO WD 2	81-09-01	7.4	2.0	3.2	11	<2	<.5	2	<1	<10
NEW EGYPT WC 1-1907	82-01-05	3.6	2.5	6.0	--	<100	<5	<5	<50	<20
PT PLEASANT BORO WD 6	81-09-03	7.3	.9	8.2	11	<2	<.5	3	<1	<10
BRICK TWP MUA 9-73	81-11-12	11	1.0	19	--	<100	--	6	<50	<20
NJWC OC CO DIS NORMNDY 3	81-09-01	6.6	.9	8.8	11	30	.5	6	<1	<10
LAKEHURST NAS 32-64	82-04-13	2.2	1.0	12	--	<100	<5	<5	<50	<20
NJWC LAKEWOOD DIV 10-72	82-05-17	--	--	--	--	<100	<5	<5	<50	--
LAVALLETTE BORO WD 4	81-09-01	6.2	1.0	6.2	11	<2	<.5	2	<1	<10
AM SMELT AND REF CO 2-72	81-12-14	2.3	<1.0	10	--	<100	<5	<5	<50	<20
PT PLEASANT BORO WD 5	81-09-03	4.7	1.1	12	11	70	<.5	<1	<1	<10
JACKSON TWP MUA 8	81-11-16	2.2	4.0	10	--	<100	<5	<5	--	<20
JACKSON TWP MUA 10	82-05-13	1.1	2.0	5.0	--	<100	<5	<5	<50	<20
LAKEWOOD TWP MUA 7	81-11-19	3.8	<1.0	8.0	--	170	<5	<5	<50	<20
TOMS RIVER WC 30-81	81-08-31	5.1	1.1	11	12	10	<.5	2	<1	<10

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

LOCAL IDENTIFIER	DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	ZINC, DISSOLVED (UG/L AS ZN)	VOLATILE ORGANIC COMPOUNDS[2] TYPE OF SCAN	VOLATILE ORGANIC COMPOUNDS[2] COMPOUNDS DETECTED
				OCEAN					
TUCKERTON MUA 1-64	82-01-07	2300	<100	45	<10	--	<5	SHORT	NONE
TUCKERTON MUA 5-79	82-01-07	--	<100	39	<10	--	9	SHORT	NONE
ISLAND HTS BORO WD 8	82-04-27	1600	<100	30	<10	--	8	--	--
USGS-WEBBS MILLS OBS 2	82-05-20	110	<100	46	<10	--	<5	SHORT	NONE
SEASIDE HTS BORO WD 2	81-08-28	22	10	3	--	43	4	--	--
SEASIDE PARK BORO WD 2	81-08-28	280	<10	3	--	52	<3	--	--
BARNEGAT LT BORO WD 4-80	81-09-03	11	<10	<1	--	100	6	--	--
OCEAN GATE BORO WD 2	81-08-25	930	<10	20	--	120	3	--	--
NJ STATE GAME FARM 1912	82-04-19	170	<100	10	<10	--	10	--	--
OCEAN CO COLL REC FIELD	82-05-05	1200	<100	19	<10	--	6	SHORT	NONE
USGS-COLLIERS MILLS TW 2	82-04-20	<30	<100	<10	<10	--	<5	SHORT	NONE
JACKSON TWP MUA 5-72	81-11-16	<30	<100	13	<10	--	20	--	--
LAND-O-PINES TRLR PK	81-12-17	40	<100	23	<10	--	6	--	--
SHADY LK T PARK	82-03-22	130	<100	12	<10	--	<5	SHORT	NONE
JACKSON BAPTIST CHURCH	82-03-22	80	<100	<10	<10	--	<5	SHORT	NONE
OAK TREE MOBILE HOME PK	81-12-30	<30	<100	58	<10	--	40	SHORT	NONE
JELLYSTONE PARK	82-04-22	60	<100	30	<10	--	10	--	--
BENNETT PLAZA	82-05-18	30	<100	13	<10	--	<5	SHORT	NONE
MINCEMOYER NURSERY IRRIG	82-04-19	110	<100	<10	<10	--	20	SHORT	NONE
R P PROFILES CORP	82-05-10	280	<100	30	<10	--	--	SHORT	NONE
JACKSON 1 FIRE CO (NPR)	82-04-28	80	<100	73	<10	--	<5	--	--
US ARMY FT DX BRINDLE LK	82-05-26	250	<100	28	<10	--	10	--	--
BRICK TWP BD ED HS	82-01-05	50	<100	10	<10	--	<5	SHORT	NONE
USGS-COLLIERS MILLS TW 3	82-04-20	2400	<100	<10	<10	--	<5	SHORT	XYLENES = 1.4 UG/L
S WIND MOB H V OLMS 1-69	81-12-17	<30	<100	<10	<10	--	<5	--	--
GREAT ADVENT ANIMAL CARE	82-05-13	280	<100	12	<10	--	10	--	--
JACKSON T MIDDLE SCHOOL	81-12-23	170	<100	14	<10	--	<5	SHORT	NONE
OAK GROVE MOBILE HOME PK	82-03-17	120	<100	14	<10	--	10	SHORT	NONE
JACKSON T B ED GOETZ SCH	82-05-27	140	<100	<10	<10	--	<5	SHORT	XYLENES = 12.5 UG/L
JACKSON TWP LIBRARY	82-05-04	340	<100	14	<10	--	<5	SHORT	NONE
OCEAN CO VOC S JACKSON 2	81-12-17	40	<100	<10	<10	--	40	--	--
JACKSON MUNICIPAL BLDG	82-05-04	310	<100	12	<10	--	<5	SHORT	NONE
NJWC OC CO DIS BAYHEAD 6	81-09-01	81	<10	40	--	440	<3	--	--
USGS-COLLIERS MILLS TW1	82-04-26	230	<100	26	<10	--	10	SHORT	NONE
JACKSON TWP MUA 3	81-11-16	200	<100	10	<10	--	140	--	--
JACKSON TWP MUA 1	81-11-17	240	<100	34	<10	--	<5	--	--
JACKSON TWP MUA 2	81-11-16	<30	<100	13	<10	--	10	--	--
GREAT ADVENT ELEPHNT HSE	82-05-13	700	<100	26	<10	--	20	--	--
LAKEWOOD TWP MUA 2	81-11-19	30	<100	<10	<10	--	<5	--	--
LAKEWOOD TWP MUA 3	81-11-19	<30	<100	<10	<10	--	<5	--	--
NJWC LAKEWOOD DIV 7	81-12-09	160	<100	34	<10	--	<5	--	--
NJWC LAKEWOOD DIV 9	81-12-09	90	<100	31	<10	--	20	--	--
NJWC LAKEWOOD DIV 6	81-12-09	270	<100	33	<10	--	10	--	--
LAVALLETTE BORO WD 2	81-09-01	56	<10	4	--	160	<3	--	--
NEW EGYPT WC 1-1907	82-01-05	260	<100	30	<10	--	<5	SHORT	NONE
PT PLEASANT BORO WD 6	81-09-03	48	<10	51	--	480	3	--	--
BRICK TWP MUA 9-73	81-11-12	600	<100	95	<10	--	10	--	--
NJWC OC CO DIS NORMNDY 3	81-09-01	890	<10	20	--	500	3	--	--
LAKEHURST NAS 32-64	82-04-13	5500	<100	160	<10	--	<5	--	--
NJWC LAKEWOOD DIV 10-72	82-05-17	--	<100	--	<10	--	20	SHORT	NONE
LAVALLETTE BORO WD 4	81-09-01	650	<10	10	--	280	<3	--	--
AM SMELT AND REF CO 2-72	81-12-14	2800	<100	120	<10	--	6	--	--
PT PLEASANT BORO WD 5	81-09-03	3000	<10	53	--	390	14	--	--
JACKSON TWP MUA 8	81-11-16	710	<100	53	<10	--	<5	--	--
JACKSON TWP MUA 10	82-05-13	4900	<100	74	<10	--	10	--	--
LAKEWOOD TWP MUA 7	81-11-19	4900	<100	130	<10	--	<5	--	--
TOMS RIVER WC 30-81	81-08-31	810	<10	63	--	700	<3	--	--

[2] See explanation at end of table.

TABLE 4.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM WELLS--CONTINUED.

EXPLANATION

Type of Volatile Organic compound (VOC) scan

LONG SCAN — USGS Laboratory analysis for 10 selected VOCs:

- Benzene
- 1,1-Dichloroethylene
- 1,2-trans-Dichloroethylene
- Tetrachloroethylene
- Toluene
- 1,1,1-Trichloroethane
- Trichloroethylene
- Chloroform
- Carbon tetrachloride
- Methylene chloride

SHORT SCAN — County Health Laboratory analysis for 4 selected VOCs:

- Benzene
- Ethylbenzene
- Toluene
- Xylenes

TABLE 5.--WATER-QUALITY ANALYSES OF WATER SAMPLES FROM STREAMS.

SITE NUMBER	STATION NUMBER	STATION NAME	COUNTY	DATE OF SAMPLING	TIME	STREAM-FLOW, INSTAN-TANEOUS (FT^3/S)
SW-1	01408119	GRAVELLY RUN NEAR GREENVILLE NJ	MONMOUTH	81-11-04	1020	.15
SW-2	01408128	SB METEDECONK R TRIB NO 3 AT JACKSONS MILLS NJ	OCEAN	81-11-05	1100	.04
SW-3	01408177	TUNES B AT EMERALD DR NEAR SILVERTON NJ	OCEAN	81-11-04	1430	.24
SW-4	01408178	TUNES B TRIB NEAR SILVERTON NJ	OCEAN	81-11-04	1310	.01
SW-5	01408179	TUNES B NEAR SILVERTON NJ	OCEAN	81-11-04	1530	1.6
SW-6	01464408	CROSSWICKS C TRIB NO 2 TRIB AT NEW EGYPT NJ	OCEAN	81-11-05	0930	.25
SW-7	400628074163000	SB METEDECONK R TRIB NO 4 NEAR WHITESVILLE NJ	OCEAN	81-11-05	1330	.34

SITE NUMBER	TEMPER-ATURE (°C)	OXYGEN, DIS-SOLVED (MG/L)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
SW-1	10.5	8.1	111	5.8	5	71	<.100	<.010	.10	2.7	<.010
SW-2	10.0	3.0	94	6.2	14	68	.500	.030	.60	.15	.050
SW-3	14.0	6.5	42	5.5	2	27	--	--	--	.34	--
SW-4	13.0	3.9	153	5.5	12	84	1.80	.150	1.8	.15	<.010
SW-5	14.0	7.6	61	5.9	6	38	--	--	--	.70	--
SW-6	10.0	9.3	240	5.2	4	162	.200	<.010	.20	<.01	<.010
SW-7	12.5	7.7	56	5.8	4	36	<.100	<.010	.40	.24	<.010

SITE NUMBER	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO4)	CADMIUM DIS-SOLVED (UG/L AS CD)	COPPER, DIS-SOLVED (UG/L AS CU)
SW-1	<.010	3.6	33	8.3	3.1	5.4	1.5	9.0	16	<5	<20
SW-2	.020	5.1	32	9.1	2.3	1.8	2.1	5.0	12	<5	<20
SW-3	--	--	--	--	--	--	--	7.0	<1.0	--	--
SW-4	<.010	4.4	23	6.5	1.6	9.3	1.9	14	26	<5	<20
SW-5	--	--	--	--	--	--	--	9.0	7.0	--	--
SW-6	<.010	1.4	102	34	4.0	4.0	2.1	13	76	<5	<20
SW-7	<.010	1.5	0	2.8	.7	3.6	.6	--	--	<5	<20

SITE NUMBER	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	SILVER, DIS-SOLVED (UG/L AS AG)
SW-1	150	100	<100	87	34	<10
SW-2	1800	710	<100	100	100	<10
SW-3	--	--	--	--	--	--
SW-4	5000	4900	<100	38	38	<10
SW-5	--	--	--	--	--	--
SW-6	3700	2800	<100	87	87	<10
SW-7	590	350	<100	34	34	<10