



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL
DIVISION OF AIR AND WASTE MANAGEMENT
715 GRANTHAM LANE
NEW CASTLE, DELAWARE 19720-4801

WASTE MANAGEMENT SECTION
SUPERFUND BRANCH

TELEPHONE: (302) 323-4540
FAX: (302) 323-4561

December 18, 1992

Mr. Mike Giuranna (3HW73)
U.S. EPA Region III
841 Chestnut Building
Philadelphia, PA 19107

SUBJECT: Preliminary Assessment for the Seaford Arbutus Well

Dear Mr. Giuranna:

Enclosed for your review and comment is the draft Preliminary Assessment Report for the Seaford Arbutus Well.

Sincerely,

Karl Kalbacher
Environmental Program Manager I
Superfund Branch

KFK:dw
KFK2436.wp

Enclosure

pc: Zsolt Haverland

AB100001
Delaware's good nature depends on you!

PRELIMINARY ASSESSMENT
WATER SUPPLY WELL CONTAMINATION, CITY OF SEAFORD
SEAFORD, DELAWARE
DE-268
EPA ID: DED 984075523

DECEMBER 1992

DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

Prepared By:

Dilip R. Hansalia
Environmental Engineer

Reviewed By:

Karl Kalbachor
Environmental Program Manager
PA/SI Group

KFK2422.wp

AR100002

Preliminary Assessment Report
Water Supply Well Contamination, City of Seaford
November 1992

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November 1992

Date: November 1992

Prepared By: Dilip R. Hansalia
Environmental Engineer
Delaware Department of Natural Resources and Environmental
Control

Site: Water Supply Well Contamination, City of Seaford

EPA ID No.: DED 984075523

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1. INTRODUCTION

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the Delaware Department of Natural Resources and Environmental Control (DE DNREC) conducted a Preliminary Assessment (PA) at the Arbutus well, a water supply well for the City of Seaford, Sussex County, Delaware. The Arbutus well was shut down in September, 1992 because of elevated levels of tetrachloroethylene (PCE) above the Federal Drinking Water Regulation of 5 parts per billion (ppb).

The purpose of the investigation was to collect information concerning conditions at the Arbutus well site sufficient to assess the threat posed to human health and the environment and to determine the need for additional investigation under CERCLA/SARA or other action. The scope of the investigation included review of available file information, a comprehensive target survey and site reconnaissance.

2. SITE DESCRIPTION, OPERATIONAL HISTORY, AND WASTE CHARACTERISTICS

2.1 Location

The Arbutus well, one of the four water supply wells for the City of Seaford, Sussex County, Delaware is located in a residential area in the middle of the City of Seaford. The City of Seaford Arbutus well lies in the latitude of 38°39'08" and longitude of 75°37'31" (Figures 1 and 2).

Sussex County has a continental type climate with well defined seasons. The mean annual temperature at Dover, Delaware, the nearest meteorological monitoring station to the site, is 55.9°F. The annual precipitation was calculated to be around 35 inches.¹

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2.2 Site Description

The City of Seaford is approximately 35 miles southwest of the City of Dover and is located in Sussex County, Delaware. The major highway connecting Dover to the City of Seaford is Route 13 south.

The site is reached from Route 13 south to Stein Highway heading west in the City of Seaford.

The exact location of the Arbutus well is on Ivy Drive located just north of Stein Highway within the city limits. The well is located at the dead end area of Ivy Drive (Figure 3).

The well is located in the hub of a residential area of the city and is about 1500 feet south of an industrial park which houses six industrial facilities.

Between the well field and the industrial park are open fields. Agricultural fields are also situated to the west of the open fields and the industrial park. The Conrail railroad line transects north-south, approximately 3/4 of a mile to the west of the Arbutus well field.

The population of the City of Seaford is approximately 5400 and about 98% of the population is served by the public water supply.² There are four production wells under the jurisdiction of Public Works Department of the city. These wells provide the water supply for the city. The Arbutus well, presently not used, is one of the four production wells for the City of Seaford.

The City of Seaford is located in a rural setting where a majority of the population is engaged in the agricultural profession. The major crops cultivated in the agricultural land surrounding the city are soya beans, corn, wheat and rye. The Columbia aquifer supplies the irrigational water to the farm fields. The Columbia serves as the unconfined aquifer in the area.

The Arbutus well has been in operation since the mid 1960's and had been relocated to the present location in the mid 1980's (the old location was inside a building and that well was capped). The production capacity of the well is about 1200-1500 gpm and was a major source of supply for the drinking water to the city. The depth of the Arbutus well is approximately 120 feet.³

Of the remaining three production wells, Hall Street well was abandoned from use in 1987 when Benzene and other volatile organic compounds, namely Dichloroethylene (DCE), were detected in that well. The Hall Street is surrounded by two gas stations and an auto repair/dealer shop. Therefore, the suspected sources of the contamination are from leaking underground storage tanks in the close vicinity. However, the presence of DCE in this well head contradicts with this source assessment.⁴

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Records from the State Division of Public Health indicate that the Arbutus well has been tested for volatile organic compounds since at least 1988. On December 27, 1989 1,1-Dichloroethane was detected in the well at 12.6 ppb. On March 8, 1990 PCE was detected at 2.2 ppb, and on May 8, 1990 PCE was detected at 1.2 ppb (see Appendix H).

During the summer of 1992, a resident living about one quarter mile south of the site complained about an odor in their water to the Public Works Department of the city.

The Public Works Department responded to the complaint by collecting water samples from the resident and his neighbors water tap. The Department of Health also sampled the Arbutus well water and after reviewing the analytical results it was found that PCE was present in the range of 12-13 ppb (parts per billion). The Safe Drinking Water Act has set acceptable levels of PCE in the drinking water at 5 ppb. PCE is a known carcinogen.

Therefore, based on the analytical results, the City of Seaford was required by the State of Delaware, Division of Public Health to shut off the Arbutus well from production on September 22, 1992.

2.3 Operational History and Waste Characteristics

The Arbutus well field has been operational since the mid-1960's. During this time, the well has served as a water supply for the City of Seaford. The well has been tested regularly for contaminants by the State of Delaware, Division of Public Health for approximately 15 years. Until September, 1992 the water quality of the well did adhere to drinking water quality standards.

In the mid-1980's the Seaford Industrial Park was established approximately 1500 feet north of the Arbutus well field. The facilities which occupy the industrial park include (also see Table 1):

Southern Metal Processing
S.C. Johnson and Son, Inc.
Orient Chemical Corporation
James A. Cassidy
Carolina Freight Carriers Corporation

The following is a brief description of the manufacturing processes for each of the facilities.³

Southern Metal Processing

Southern Metal Processing Company serves one sole customer, DuPont Seaford, as a cleaner of metal filter media. The filters are used to reduce the diameter of nylon fibers in various stages. Through use, the filters become clogged and coated with hardened nylon. Each filter is

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cleaned once a day by Southern Metal Processing Company by heating, submersion in a salt bath, and subsequent cooling. The salt bath solution undergoes pre-treatment prior to disposal through the City of Seaford POTW. De-sludging of the salt bath solution generates a nitrate sludge which was shipped off-site until 1990. Currently, treatment of the nitrate sludge includes mixing with water, agitation, addition of hydrosulfite, addition of hydrated lime, settling and finally drumming the settled material for delivery to the DuPont Seaford retention pond.

S.C. Johnson and Son, Inc.

S.C. Johnson and Son, Inc. operates an emulsion polymer facility. Emulsion polymers are produced by polymerizing styrene and various acrylic monomers in an aqueous solution. The subsequent polymer solution is then cooled and pumped to above ground storage tanks. Cold blends are also mixed for various cleaner products used as industrial truck cleaners (trade name: Believe). All waste streams are filtered, using a 700 mesh to collect solids, and stored in a 20,000 gallon above ground storage tank prior to being sent to the City of Seaford POTW. Solids, solidified polymers, are generated at a rate of 50 pounds per week and sent to the landfill. In an effort to reduce the waste stream, S.C. Johnson will be gathering solids and sending to Laidlaw or Ross Environmental for incineration.

Orient Chemical Corporation

Orient Chemical Corporation produces the dyes "Nigrosine" that are used for coloring black plastics, ball point pen inks, and toners for copying machines. The basic process for manufacturing "Nigrosine" is a batch system that uses aniline, nitrobenzene, and caustic soda as raw materials with hydrochloric acid and ferric chloride added as catalysts. The black dye, "Nigrosine," is produced as a powder that must be disposed of at a RCRA permitted facility as a waste. The limited amount of hazardous waste, less than 5 gallons per year, is stored properly and will be disposed of by R and D Environmental Resources, Inc. of Baltimore, MD.

James A. Cassidy, Inc.

James A. Cassidy, Inc. operates as a wood working shop producing doors and atriums for the public. The limited amount of hazardous waste, less than 15 lbs. per year, in the form of contaminated rags and towels, are accumulated in a 55 gallon drum until capacity is achieved at which time the drum will be sent as hazardous waste for disposal. Rags and towels are contaminated with lacquer thinner and mineral spirits used for minor clean-ups.

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Carolina Freight Carriers Corporation

Carolina Freight Carriers Corporation operates as a trucking transfer warehouse. Goods are delivered to this location prior to ultimate dispersal in the local area. No hazardous waste is generated at this site.

The City of Seaford with the loss of two production wells anticipates a shortage in the available potable water for city customers during the summer of 1993. At the present time the city council has allocated funds to install test wells in the area northeast of the site.

The test wells will be installed in late 1992, early 1993 and based on the results of the test wells, the city may retain a contractor to install a new production well in this area.

The city also has plans to evaluate the option of installing a treatment system possibly an air stripper on the Arbutus well in the near future; thus, making use of the production capacity of the well.

3. GROUNDWATER PATHWAY

3.1 Hydrogeologic Setting

The Arbutus well site is located in the Atlantic Coastal Plain Physiographic Province, a wedge of unconsolidated and semiconsolidated sedimentary rocks that thicken and dip at about 15 feet per mile to the southeast. Maximum total thickness is about 4,200 feet in northern Sussex County and about 5,500 feet in the southeastern part of western Sussex County. Most of the region is a plain that slopes gently downward toward the Delaware Bay. Local differences in elevation are only a few feet at most. In the study area, elevations range between 10 and 40 feet above sea level.

Underlying the site and covering most of Delaware as a veneer is the Pleistocene age Columbia Group, which has been subdivided in southern Sussex County into the Columbia, Omar, and Beaverdam Formations and the Staytonville Unit. The Columbia Group sediments reflect marine, shore-line, and minor fluvial deposits (Figure 4). These sediments generally consist of yellow to reddish-brown and light gray, medium to very coarse, moderately sorted sand and gravel and occasional cobbles. Thickness of the group is highly variable, ranging between 20 and 180 feet, and averages about 100 feet in the study area. The base of the Columbia Group at the Arbutus well is at approximately -75 feet below sea level (Figure 5).

The sediments of the Miocene age Chesapeake Group, which underlies the Columbia Group and the entire study area, represent transgressive-regressive sequences of sea level change. The Chesapeake Group consists predominantly of gray and bluish-gray silt containing beds of gray, fine- to medium-grained sand and some shell beds. The group contains four major aquifers, the Cheswold (lower),

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Frederica, Manokin, and Pocomoke (upper), and some minor aquifers (see Figure 6). Thickness is between 600 to 1,100 feet in Sussex County.

Two of the aquifers, the Cheswold and Frederica, are present in the study area at depths of 490 and 330 feet below sea level, respectively. The Cheswold and Frederica aquifers are gray, medium to coarse silty sand and shells and some gravel. Thickness of the Cheswold (see Figure 7) is about 10 to 15 feet and the thickness of the Frederica (see Figure 8) is about 5 to 10 feet. The Manokin aquifer subcrops about four miles southeast of the site and is a gray, silty, medium to coarse sand that frequently contains some gravel.⁶

Unconformably underlying the Chesapeake Group at approximately 785 feet below sea level is the Eocene age Piney Point Formation, which consists of glauconitic sands and silts (Figure 9). Underlying the Piney Point Formation are the Cretaceous age Unit A, Monmouth glauconitic sands, silts and clays. The interbedded gray sands and variegated clays of the Early Cretaceous age Potomac Formation underlie the Magothy Formation and unconformably overlie the lower Paleozoic crystalline basement at a depth of approximately 950 feet below sea level.⁶

Groundwater movement and storage in the unconsolidated sediment of the Coastal Plains Province are a function of primary porosity. Primary porosity is the void space created between grains during deposition. The coarse sediments, such as sands and gravel, are better aquifers due to larger void space between the grains, while the very fine-grained silts and clays often transmit little or no groundwater. If extensive enough, the silts and clays can act as confining layers to the underlying aquifers restricting vertical groundwater movement.⁶

In general, the water table in the area reflects local topography. Groundwater movement is downward and laterally toward lower altitudes, eventually returning to the land surface through springs or wells. Local confining layers sometimes disrupt the natural downward movement and can create artesian conditions. Recharge is through infiltration of precipitation at the formation outcrops. Depth to groundwater at the site is less than 20 feet. The groundwater flow pattern is to the southeast toward the Nanticoke River under new well pumping conditions.⁶

All of the groundwater produced in western Sussex County is obtained from the water-table aquifer of the Columbia Group and subcropping Manokin and Pocomoke sands, and the artesian part of the Manokin aquifer. The residential and municipal wells in the study area draw from the Columbia Group. The non-artesian water-table aquifer demonstrates good to excellent water-bearing properties, while the artesian aquifers show fair to very poor water yielding properties.⁶

The saturated thickness of the Columbia Group in the study area averages 90 to 100 feet. Specific capacities range from 4.4 to 49.0 gallons per minute (gpm)

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per foot and average 21.7 gpm per foot. An average coefficient of transmissibility of 100,000 gallons per day per foot and average coefficient of storage of 0.15 are determined for the Columbia.⁶

The Manokin aquifer, which subcrops just south of the study area, is not extensively developed as a groundwater source in western Sussex County, but, close to the subcrop and with proper construction, well yields may exceed 1,000 gpm. Specific capacities range from 10 to 49 and average 23.4 gpm per foot. Coefficient of transmissivity is 60,000 gallons per day per foot, and the coefficients of storage in the subcrop and artesian part of the Manokin aquifer are 0.15 and 0.0005, respectively.⁶

The Arbutus well is a steel cased well with a shallow casing diameter of 16 inches and a deep casing diameter of 12 inches. The well is screened from 74-114 feet below ground surface. According to the DNREC well completion report, this interval is characterized as being a medium/course tan sand. The well completion report does not indicate the presence of a clay unit within the first 115 feet of the well boring.³

The DNREC, Division of Water Resources, permits the withdraw of water for commercial and public uses. The City of Seaford has 5 production wells permitted, however, the Spruce Street well has not been used for the past 7 years. The Arbutus and Dulaney Street wells are the major pumping centers for the City of Seaford.³

3.2 Groundwater Targets

About ninety-eight percent of the population within a four mile radius of the site is served by public water supplied by the Public Works Department of the City of Seaford. The production wells for the Public Works Department are all screened in the unconfined Columbia aquifer in the area.³

There are four production wells in the jurisdiction of the City of Seaford Public Works Department (see Figure 3). Out of the four wells, currently two wells namely the Arbutus well and the Hall Street well are not in use. There are some residents in the city as well as in the surrounding areas who are on private domestic wells. The total population affected by groundwater in the target area is approximately 12682 which was derived from 1990 census data.²

According to John Hedrick, Director of Public Works, City of Seaford, the Arbutus well pumps groundwater at a rate of 1500-1600 gallons per minute (gpm). The well is pumped daily between 6 and 14 hours with a maximum pumping duration of 18 hours per day. While the well is pumping the average depth to water from the ground surface is approximately 50-60 feet. Once the well pump is turned off, the water level rises within 5 minutes to an approximate depth of 20 feet below ground surface. The average water table level under non-pumping conditions is estimated to be between 15 and 20 feet below ground surface.

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3.3 Groundwater Conclusions

Based upon the laboratory analysis of groundwater samples from the Arbutus well, it is apparent that a release of PCE from the surface through the subsurface soil to the groundwater has occurred. The location and extent (i.e. quantity) of PCE released has not been determined. DNREC is actively pursuing investigation of possible source areas where PCE may have been released.

4. SURFACE WATER PATHWAY

4.1 Hydrologic Setting

About 2000 feet south of the PCE contaminated Arbutus well is the Nanticoke River which flows northwest into the Delaware Bay. To the east of the location of the well is the Williams Pond and a small creek called Deep Creek. The Duck Creek merges into the Nanticoke River approximately 3500 feet from the well.

The Nanticoke River may be influenced by the tides from the Chesapeake Bay, so any potential contamination from the site could be transported upstream into its tributaries. The likelihood of surface water contamination is not considered high. The contamination of concern is at a relatively low concentration in the groundwater at the Arbutus well. It is expected that these contaminant levels would diminish through attenuation and dilution prior to release to surface waters.

4.2 Surface Water Targets

The closest surface water pathway to the site is Nanticoke River which is south of the site. The Nanticoke River flows southwest into the Chesapeake Bay.

The Division of Fish and Wildlife of DNREC was contacted to evaluate the fisheries production on the Nanticoke River. According to Mr. Craig Shiry, Fisheries Biologist of the Division of Fish and Wildlife of DNREC, there are several species of fish in the 15 miles surface water target distance of the site.⁷

Some of the notable species of the fish and their estimated production are noted in the reference section of this report under the telephone logs.

The estimates generated for this paper are for the Delaware portion of the Nanticoke River and do not include loading in the Maryland portion of the Chesapeake Bay.

To name a few of the notable fish on the Nanticoke River are catfish, black crappie, chain pickerel, largemouth bass, sun fish, white perch and yellow perch.

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4.3 Sensitive Environments and Endangered Species

The Division of Fish and Wildlife was contacted to evaluate the information on sensitive environments and endangered species in the Nanticoke River and within a 15 mile radius of the site. According to Ms. Lisa Gelvin-Innauer, Wildlife Biologist, there are several sensitive environments and endangered species in the 15 mile target radius distance of the site.⁸

Some of the notable species of bird are bald eagles which are listed as the Federal Endangered Species. Barking tree frog and Cape's gray tree frog are the two species of frog listed under the State of Delaware Endangered species list.

A list of other species known to inhabit this area and other detailed information are noted in the reference section of this report under the telephone logs.

4.4 Surface Water Conclusions

The contaminated Arbutus well detected low concentrations (12-13 ppb) of Perchloroethylene (PCE) before it was shut down by the City of Seaford.

The Nanticoke River is the closest surface water intake around the location of the Arbutus well and is approximately 2000 feet south of the well. At the present time there is no evidence to indicate that a release into the Nanticoke River has occurred.

Based on the available information DNREC concludes that the surface waters of the Nanticoke River are not being threatened by this contamination from the Arbutus well.

5. SOIL EXPOSURE AND AIR PATHWAYS

5.1. Physical Conditions

The site is located according to the U.S. Department of Agriculture Soil Conservation Service soil survey of Sussex County, Delaware in the general formation of Evesboro loamy sand (EVA) (0-2 percent slopes) and Rumford loamy sand (RuA) (0-2 percent slopes) (see Figure 10).

The Evesboro and Rumford formations can be briefly described as follows:

Evesboro loamy sand, loamy substratum, 0 to 2 percent slopes (EVA)....This soil has the profile described as representative of the series. It is the most extensive soil in the county. It is normally encountered on broad uplands that are dissected by a few streams.

Included with this soil in mapping were small areas where the substratum contains more clay than that in the profile described; areas where the finer textured material is within a depth of only 30 inches; other small

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areas where the substratum is sandy to a depth of 6 feet; and other areas of a soil that is paler in color, has some gray or brownish-gray colors below a depth of 30 inches, and is somewhat wet. The wet inclusions are commonly in very small depressions.

This Evesboro soil is somewhat droughty and low in fertility, but less so than Evesboro soils that do not have a loamy substratum. Consequently, it is better suited to most crops and is more productive. Erosion by water is not a hazard. If the surface is loose, dry, and not protected by vegetation, blowing sand can damage tender crops and create a driving hazard. Soil blowing can be checked by use of adequate windbreaks. Loss of soil by wind, however, is mostly negligible.

Rumford loamy sand, 0 to 2 percent slopes (RuA).--This soil has the profile described as representative of the series. It is nearly level and occupies broad uplands and some slight depressions.

Included with this soil in mapping were small areas where the subsoil is somewhat more or less sandy than the one in the profile described; and in some slight depressions, small areas of a soil that is seasonally somewhat wet and has grayish colors within a depth of about 30 inches.

This soil is somewhat droughty and is low in natural fertility. Supplemental sprinkler irrigation is commonly available for high-acre-value crops. Soil blowing is a slight hazard and damages young plants during some seasons. Windbreaks are locally desirable. There is little runoff and very little hazard of erosion.⁹

Since the area is an open field area, local vegetation does not appear to be stressed.

The air pathways do not appear to be a problem because the site is in a rural environment which is a non-attainment area in the State of Delaware.

5.2 Soil and Air Targets

Soil exposure pathway could be limited to residents, workers in the industrial park and occasional intruders.

Air pathway targets within the four mile radius target area total 12682 as discussed in Section 3.2 Groundwater Targets.

5.3 Soil Exposure and Air Pathway Conclusion

Based on the currently available information, it appears that air pathways may not be a concern but soil exposure can be a possible pathway depending on the amount of suspected contaminant from the possible source.

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6. SUMMARY AND CONCLUSIONS

The City of Seaford decided on September 22, 1992 to shutdown the production on the Arbutus well because the well water showed the presence of 12-13 ppb of PCE (Perchloroethylene), a known carcinogen, exceeding 5 ppb, the Safe Drinking Water Standard, criteria for PCE.

This has raised the public health concerns because there is a population of 16,148 living in the four mile radius and the majority (98%) of the population of the City of Seaford is on public water supply. The contaminated Arbutus well is a major source of water supply.

At the present time DE DNREC DAWM Hazardous Waste Branch has no information or records indicating any kind of disposal, discharge activities in the past being conducted in the area.

Based on the current information and the nature of the contaminant, it is the recommendation of the PA/SI group of DE DNREC to initiate a Site Investigation (SI) to establish the source of PCE discharge in the area.

TABLE

AR100015

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TABLES

<u>Table No.</u>	<u>Description</u>
1	Seaford Industrial Park 10/23/92

AR100016

TABLE 1.
SEAFORD INDUSTRIAL PARK
10/23/92

FACILITY	LAT/LONG.	GENERATOR OF HAZARDOUS WASTE	DEB NUMBER	HAZARDOUS WASTE GENERATED	HAZARDOUS MATERIALS SARA TITLE III & INSPECTION INFO.	NPDES/ PRETREATMENT
1. Carolina Freight	38 39.34' 075 37.49'	No Inspected 10/21/92	—	—	—	—
2. James A. Cassidy Co. 1988	38 39.41' 075 37.40'	Yes, CE-SQG Inspected 10/21/92	—	- Used lacquer thinners - Used mineral spirits	- Lacquer thinners - Mineral spirits	—
3. Orient Chemical Corp. 1990	38 39.69' 075 37.59'	Yes, CE-SQG Inspected 10/21/92	—	- Typical lab solvent wastes - < 5 gallons/year	- nitro benzene - anilin - ferric chloride - hydrochloric acid - caustic soda (NaOH)	- pretreatment to POTW
4. Southern Metal Processing Co. 1985	38 39.43' 075 37.53	Yes, SQG Inspected 2/89 Inspected 10/21/92	DEB981937584	- D002, Sodium nitrate/ chromium shadings - pretreatment in 1990 no longer shipped as hazardous	- sulfuric acid - sodium hydro-sulfate - hydrated lime - phosphoric acid	- pretreatment to POTW
5. S.C. Johnson and Son, Inc. 1986	38 39.50' 075 37.37'	No Inspected 10/21/92	DEB000007065 - One 50 gallon spill ethyl acrylate (contained)	—	Refer to SARA Title III Report	- NPDES discharge (non-contact)

ARI00017

(Red)

FIGURES

AR100018

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LIST OF FIGURES

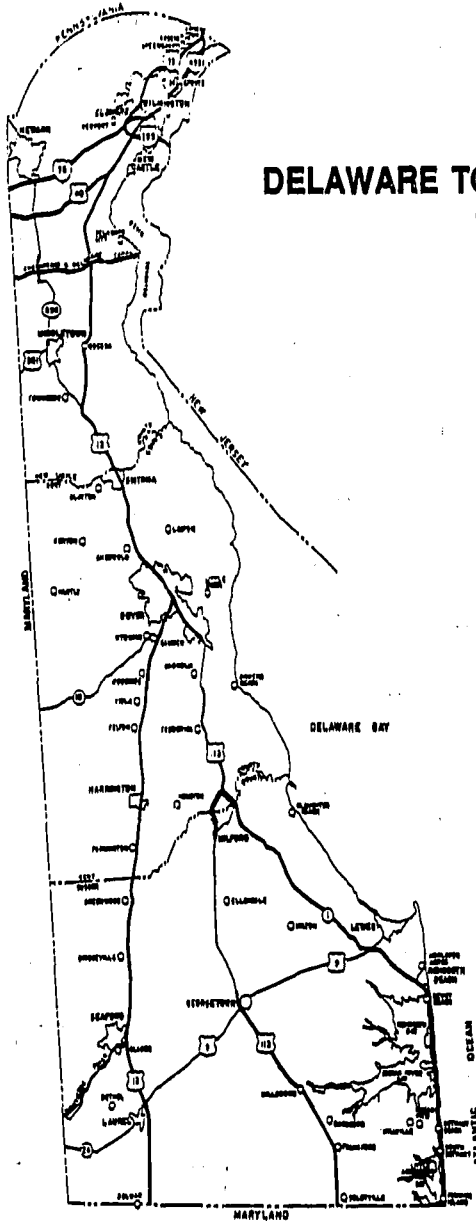
<u>Figure Number</u>	<u>Description</u>
1	Map - Delaware Towns and Cities 1992
2	Map - Sussex County
3	Map - Location of the Production Wells in City of Seaford
4	Map - Map of Pleistocene Environments in Western Sussex County
5	Map - Structural Map of the Base of the Columbia Group
6	Map - Geologic Cross Section of Western Sussex County
7	Map - Structural Map of the Top of the Cheswold Aquifer
8	Map - Structural Map of the Top of the Fredrica Aquifer
9	Map - Structural Map of the Top of the Piney Point Formation
10	Map - Soil Survey of Sussex County and Seaford Area

ARI00019

Figure 1

Delaware - Quality of Life

DELAWARE TOWNS AND CITIES 1992



SOURCE: DELAWARE DEPARTMENT OF TRANSPORTATION. "OFFICIAL MAP, DELAWARE 1992"

Delaware Development Office

X-5

March 1992

AR 100020

SUSSEX COUNTY

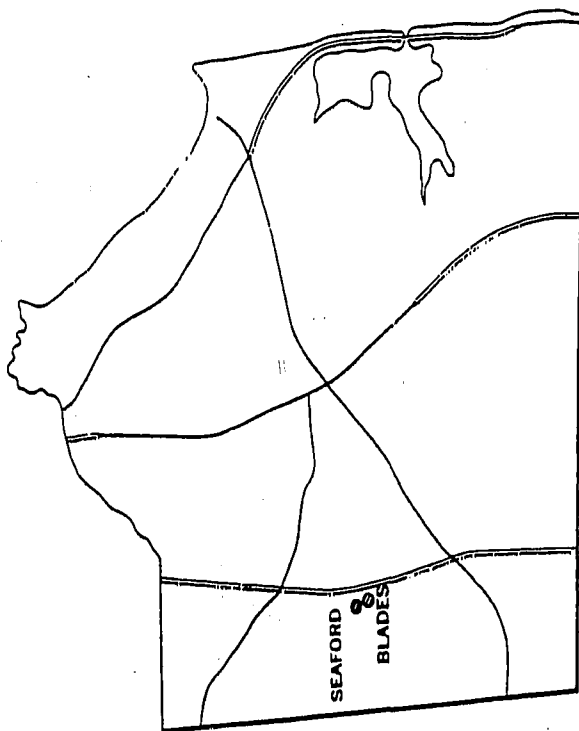
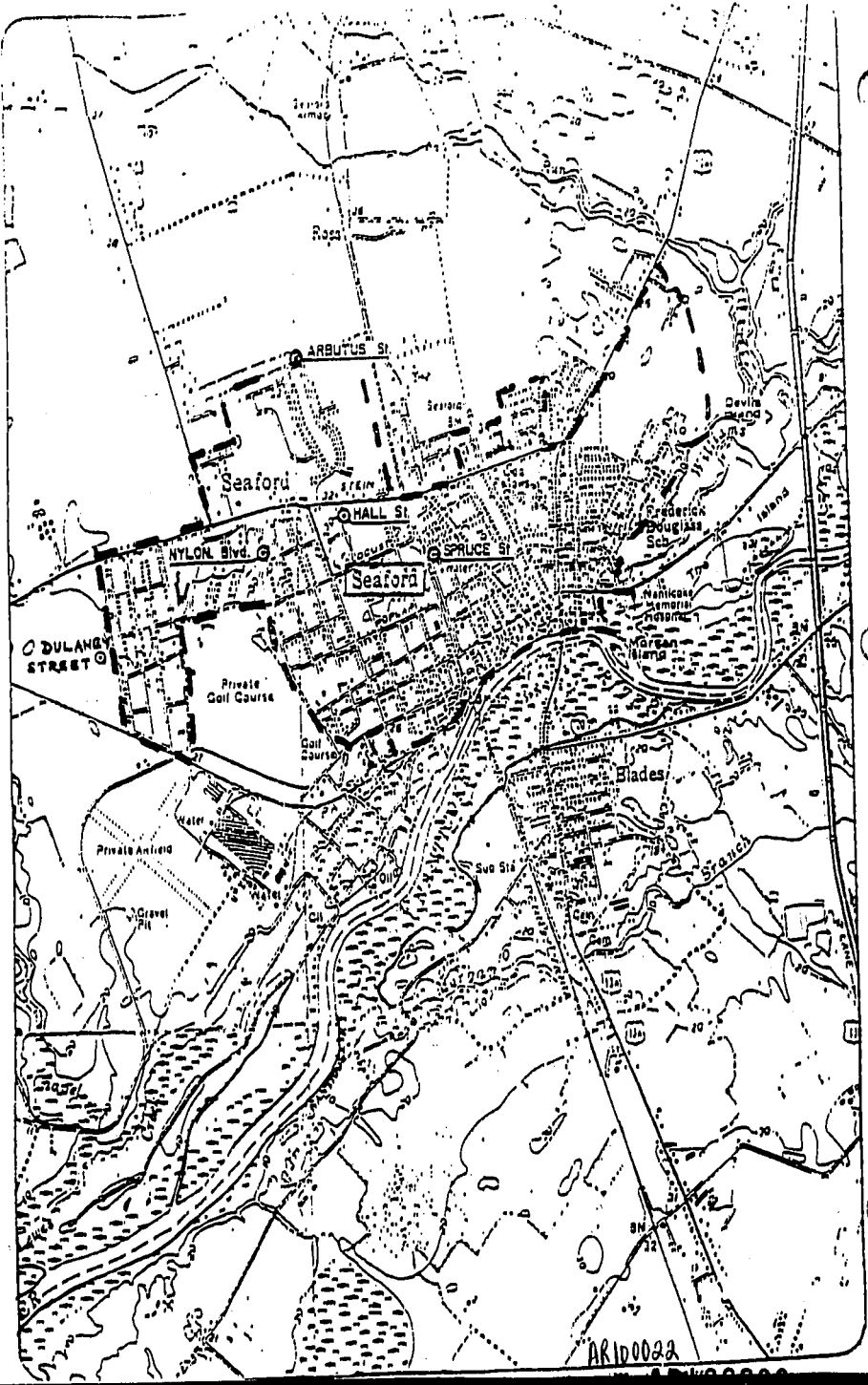
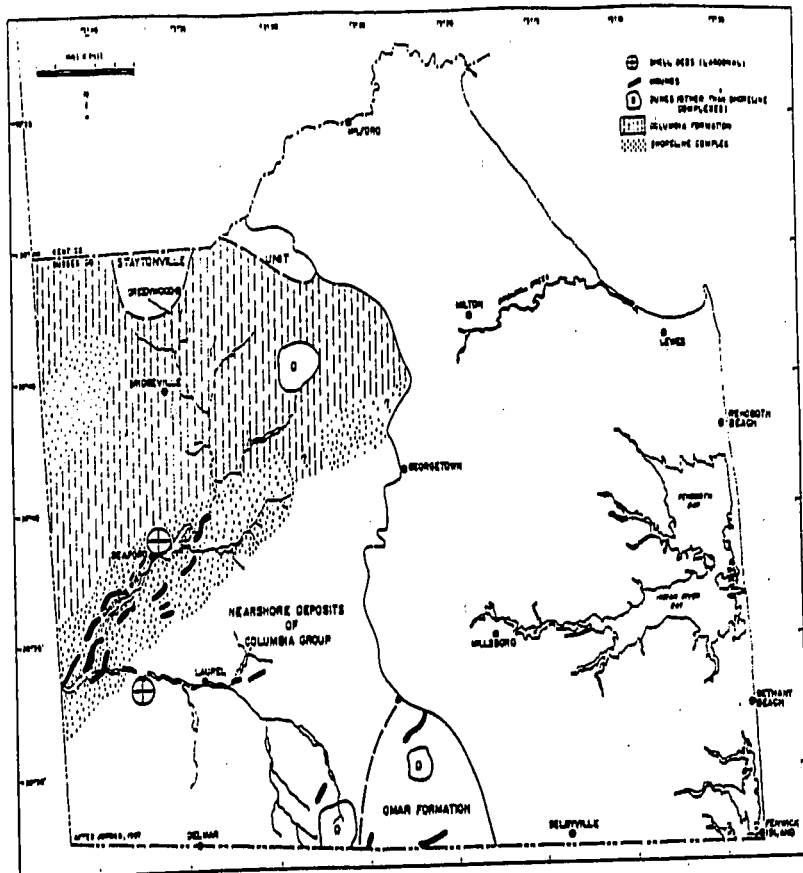


Figure 2

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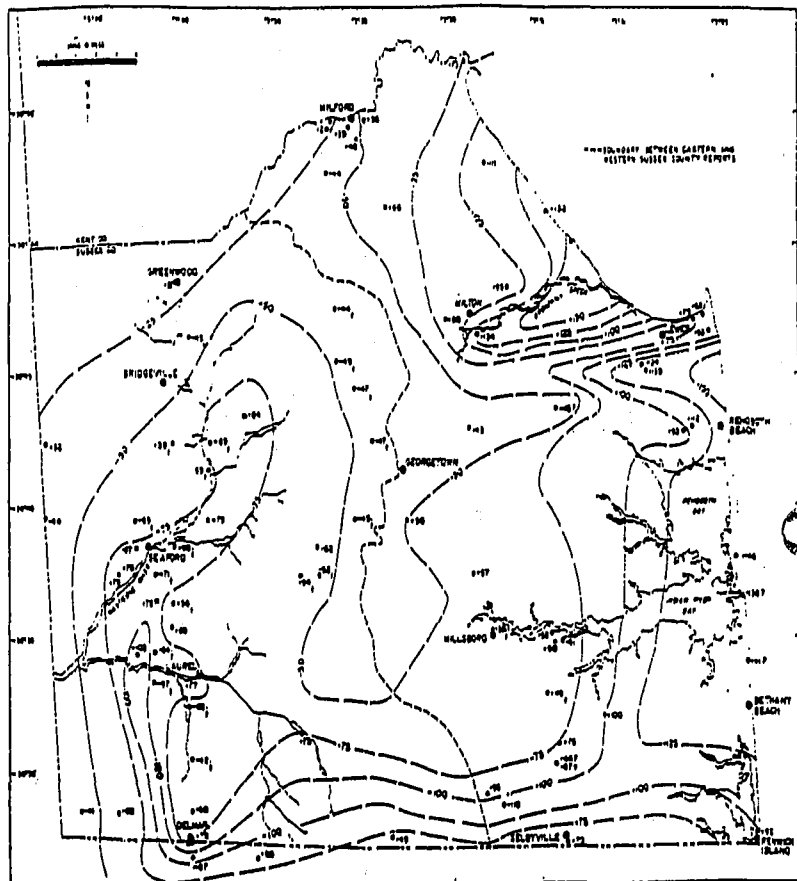


FIGURE 5. STRUCTURAL MAP OF THE BASE OF THE COLUMBIA GROUP

AR100024

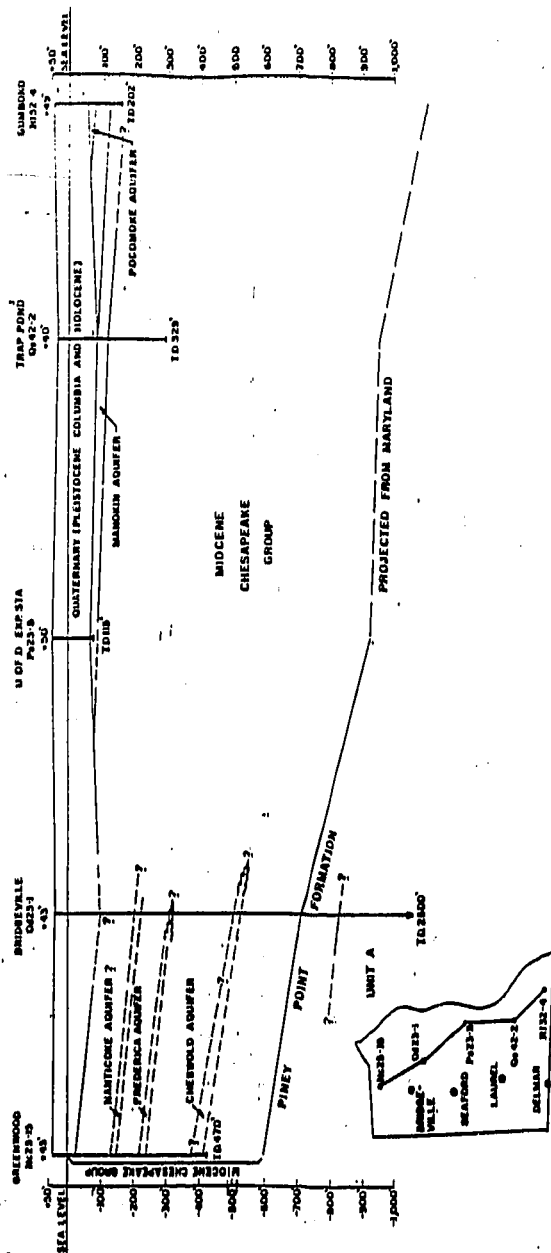


FIGURE 6. GEOLOGIC CROSS-SECTION OF WESTERN SUSSEX COUNTY.

AR100025

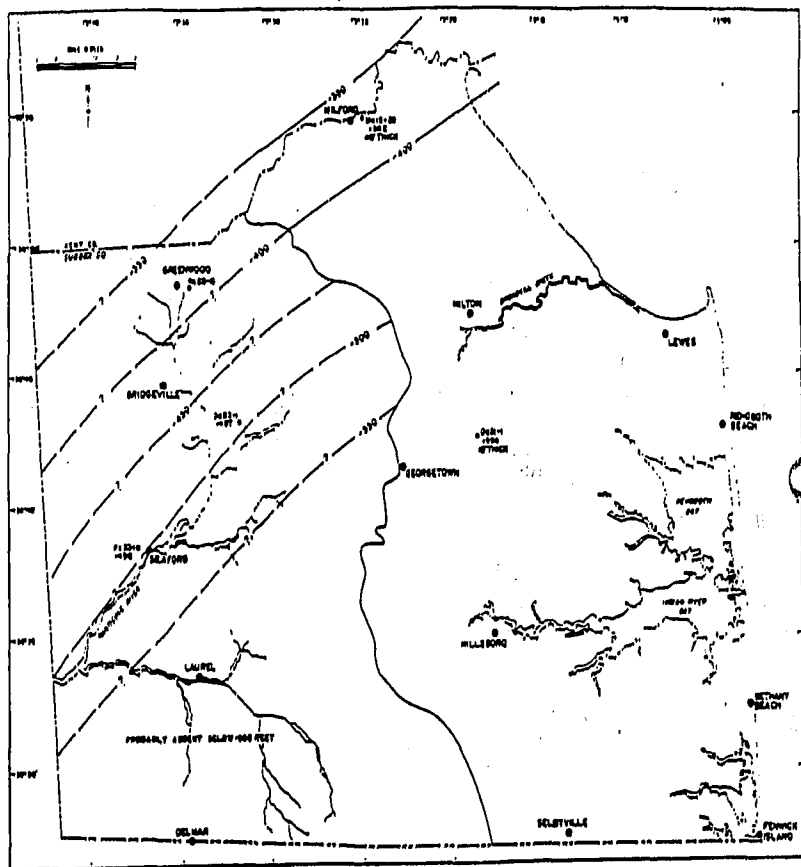
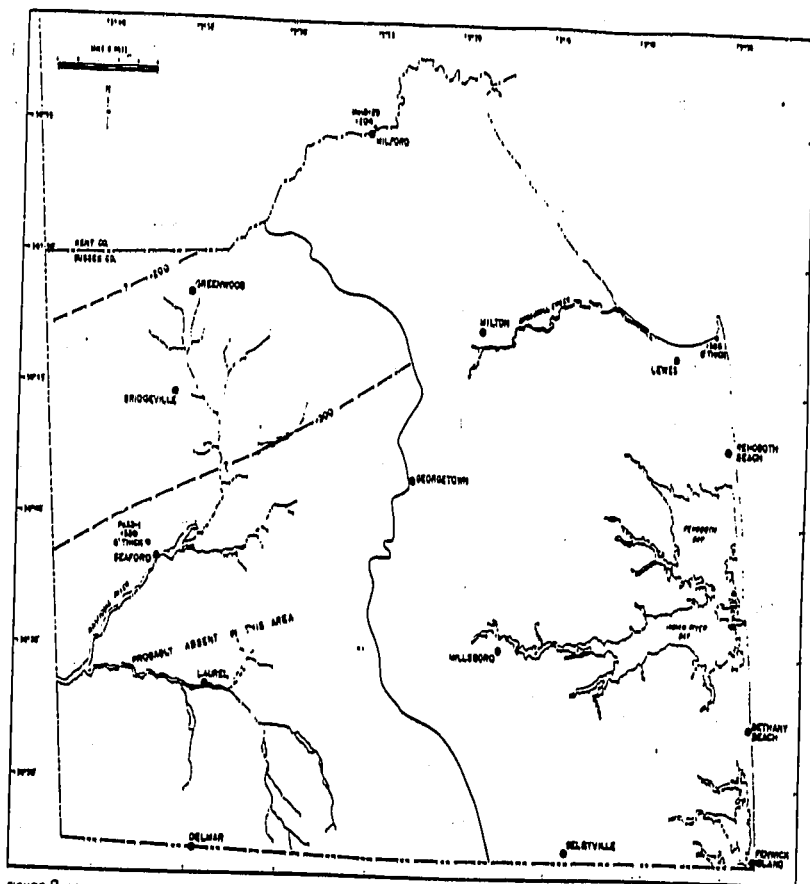


FIGURE 7. STRUCTURAL MAP OF THE TOP OF THE CHESWOLD AQUIFER (SEA LEVEL DATUM).

AR 100026



AR100027

40

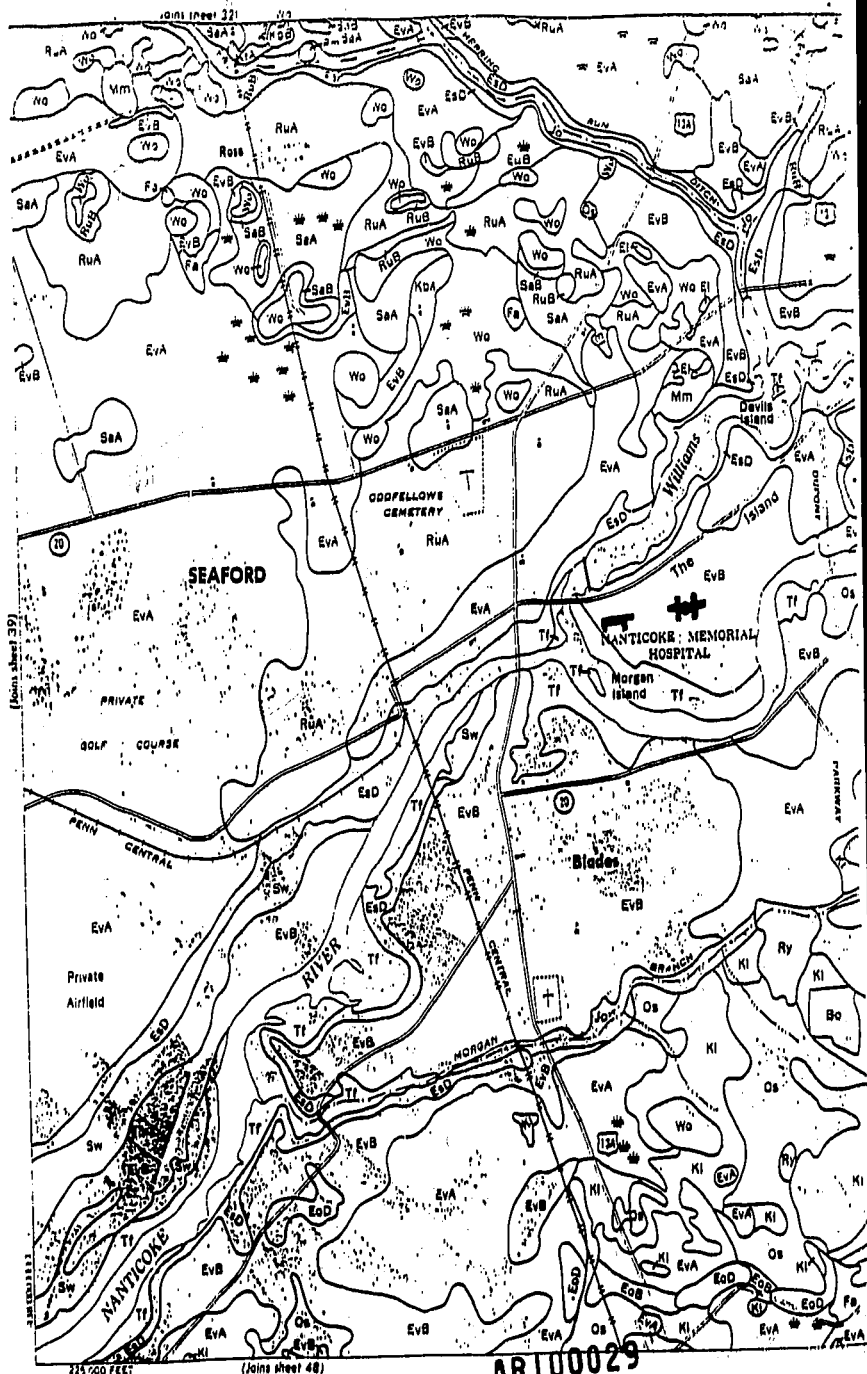
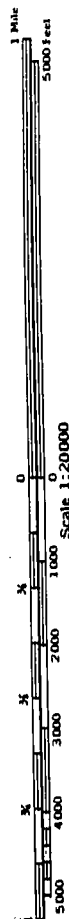


Figure 10. Soil Survey of Sussex County and Seaford Area

ART00029

APPENDICES

AR100030

Preliminary Assessment Report
Water Supply Well Contamination, City of Seaford
November 1992

APPENDICES

- APPENDIX A Water Use Report for Individual Supply Facility
- APPENDIX B Telephone Logs
- APPENDIX C Delaware Water Use Data System Information
- APPENDIX D Census Report for the Four Mile Radius Around the Site
- APPENDIX E Health Advisory Report
- APPENDIX F Photo Log
- APPENDIX G Pre Score for PA
- APPENDIX H Analytical Results for Production Wells in Seaford
- APPENDIX I Preliminary Assessment Form
- APPENDIX J References

AR100031

APPENDIX A
WATER USE REPORT FOR INDIVIDUAL SUPPLY FACILITY

100032

DNRRC

P. O. Box 1401
Dover, DE 19903
(302) 739-4793

Please type or print clearly!!

1. OWNER OF SYSTEM City of Sanford
 2. RESPONDENT John H. H. H.
 3. LOCATION OF FACILITY Sanford Ave
 4. TYPE OF USE: ☒ Public ☐ Ind. ☐ Comm.
() Recov. () Other-(specify) _____
 5. WELL PERMIT NO. 56263
 6. STREAM _____
 7. INTAKE PERMIT NO. _____
 8. LOCAL I.D. 1A
- STATUS: ☒ Main ☐ Back-up ☐ Emerg. ☐ Not used ☐ Abandoned
9. HAS ALL FLOW LISTED BELOW METERED? ☐ Yes ☐ No-If no, indicate the period and reason flow was not metered, and describe computational method for determining estimated flow. _____

[-----WELLS ONLY-----]					
10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)
1991 JAN 1/31	31	✓ 14,091,200	1,500	57'	4½ 19½
FEB 2/28	28	✓ 9,019,700	1,550	55'	7 17
MAR 3/31	31	✓ 20,169,600	1,450	56'	9 15
APR 4/30	30	✓ 23,888,100	1,550	56'	8 16
MAY 5/31	31	✓ 33,966,900	1,550	57'	14 10
JUN 6/30	30	✓ 32,008,000	1,500	58'	16 8
JUL 7/31	31	✓ 19,459,500	1,550	59'	17 7
AUG 8/31	31	✓ 20,689,800	1,500	57'	8 16
SEP 9/30	30	✓ 18,781,300	1,450	58'	7-3/4 15½
OCT 10/31	31	✓ 12,351,900	1,525	58'	6 18
NOV 11/30	30	✓ 12,496,900	1,500	58'	6 18
DEC 12/31	31	✓ 12,136,200	1,500	58'	7 17

16. TOTAL ANNUAL PUMPAGE 229,059,100

17. SIGNATURE John L. H. H. DATE 1-27-92

DO NOT WRITE BELOW THIS LINE - DNRRC USE ONLY

AP No 90-00062m
MxBy 2.448
MPR 1700
MPWL N/A

MxNo 339 No Done
MxMxBy 1.09
MPR 1550
MPWL 54'

91WUE

AR100033

DNREC

P. O. Box 1401
Dover, DE 19903
(302) 739-4793

FOR INDIVIDUAL SUPPLY FACILITY

1991

Please type or print clearly!!

1. OWNER OF SYSTEM City of Seaford
2. RESPONDENT John Hedrick
3. LOCATION OF FACILITY Hall St.
4. TYPE OF USE: (x)Public ()Ind. ()Comm.
()Recov. ()Other-(specify) _____
5. WELL PERMIT NO. 10322
6. STREAM _____
7. INTAKE PERMIT NO. _____
8. LOCAL I.D. 2
- STATUS: ()Main ()Back-up ()Emerg. ()Not used ()Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? ()Yes ()No-If no, indicate the period and reason flow was not metered, and describe computational method for determining estimated flow. _____

[-----WELLS ONLY-----]							
10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (day's)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)		
'91 JAN 1/31	31	5,804,300	700	38'	8	16	
FEB 2/28	28	4,054,200	700	37'	8	16	
MAR 3/31	31	4,033,500	700	30'	8	16	
APR 4/30	30	0	0	0	0	0	
MAY 5/31	31	2,282,700	700	37'	8	16	
JUN 6/30	30	5,095,900	700	37'	8	16	
JUL 7/31	31	6,776,400	700	38'	8	16	
AUG 8/31	31	3,706,900	700	38'	8	16	
SEP 9/30	30	3,736,200	700	38'	8	16	
OCT 10/31	31	4,525,500	700	38'	8	16	
NOV 11/30	30	2,214,100	700	38'	8	16	
DEC 12/31	31	376,400	700	38'	8	16	

16. TOTAL ANNUAL PUMPAGE 42,606,100

17. SIGNATURE John L. Hedrick DATE 1-27-92

----- DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY -----

AP No 96-00062m
MxBy 1.00
MPR 700
MPWL NA

MxNo 6.776 No 9.1
MxMxBy 1.219
MPR 700
MPWL 7.2

91mwr

ARI00034

DNRREC
P. O. Box 1401
Dover, DE 19903
(302) 739-4793

Please type or print clearly!!!

1. OWNER OF SYSTEM City of Seaford 5. WELL PERMIT NO. 10323
2. RESPONDENT John L. Radrick 6. STREAM _____
3. LOCATION OF FACILITY Water Blvd. 7. INTAKE PERMIT NO. 3
4. TYPE OF USE: (x)Public ()Ind. ()Comm. 8. LOCAL I.D. ✓
()Recov. ()Other-(specify) _____
STATUS: (x)Main ()Back-up ()Emerg. ()Not used ()Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? ()Yes ()No-If no, indicate the period
and reason flow was not metered, and describe computational method for
determining estimated flow. _____

-----WELLS ONLY-----						
10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)	
1991 JAN 1/31	31	✓ 14,000	760	18'	8	16
FEB 2/28	28	✓ 811,000	760	18'	8	16
MAR 3/31	31	✓ 3,558,000	760	26'	8	16
APR 4/30	30	✓ 1,736,000	760	26'	8	16
MAY 5/31	31	✓ 8,046,000	760	25'	8	16
JUN 6/30	30	✓ 8,044,000	760	27'	8	16
JUL 7/31	31	✓ 790,000	760	26'	8	16
AUG 8/31	31	✓ 4,696,000	760	26'	8	16
SEP 9/30	30	✓ 4,022,000	760	28'	8	16
OCT 10/31	31	✓ 3,294,000	760	28'	8	16
NOV 11/30	30	✓ 3,451,000	760	28'	8	16
DEC 12/31	31	✓ 0	0	0	0	0

16. TOTAL ANNUAL PUMPAGE 34,462,000

17. SIGNATURE John L. Radrick

DATE 1-27-92

----- DO NOT WRITE BELOW THIS LINE - DNRREC USE ONLY -----

AP No 90-00062m
MxNy 115
MPR 802
MPWL NA

MxMo 6.046 No Man
MnMxNy 1195
MPR 760
MPWL 217

91wuf

AR100035

P. O. Box 1401
Dover, DE 19903
(302) 739-4793

JAN 29 1992

Please type or print clearly!!!

1. OWNER OF SYSTEM City of Seaford 5. WELL PERMIT NO. 10338
2. RESPONDENT John Hadrick 6. STREAM _____
3. LOCATION OF FACILITY Spruce St. 7. INTAKE PERMIT NO. _____
4. TYPE OF USE: () Public () Ind. () Comm. 8. LOCAL I.D. 4
() Recov. () Other-(specify) _____
STATUS: (X) Main () Back-up () Emerg. () Not used () Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? () Yes () No-If no, indicate the period
and reason flow was not metered, and describe computational method for
determining estimated flow. _____

Has not run in seven years. Has been capped off.

10. DATE OF		11. PERIOD	12. TOTAL	13. RATE	14. PUMPING	15. PUMPING CYCLE	
LAST READING		(days)	PUMPAGE	(gpm)	LEVEL (ft.	ON	SHUT-OFF
FOR MONTH OF:			(gals.)		below sfc.)	(hrs.)	(hrs.)
JAN	_____	_____	_____	_____	_____	_____	_____
FEB	_____	_____	_____	_____	_____	_____	_____
MAR	_____	_____	_____	_____	_____	_____	_____
APR	_____	_____	_____	_____	_____	_____	_____
MAY	_____	_____	_____	_____	_____	_____	_____
JUN	_____	_____	_____	_____	_____	_____	_____
JUL	_____	_____	_____	_____	_____	_____	_____
AUG	_____	_____	_____	_____	_____	_____	_____
SEP	_____	_____	_____	_____	_____	_____	_____
OCT	_____	_____	_____	_____	_____	_____	_____
NOV	_____	_____	_____	_____	_____	_____	_____
DEC	_____	_____	_____	_____	_____	_____	_____

16. TOTAL ANNUAL PUMPAGE _____

17. SIGNATURE John D. Hadrick

DATE 1-27-92

DO NOT WRITE BELOW THIS LINE - DNRDC USE ONLY

AP No
MxDy
MPR
MPWL

Not allocated

MxNo
MnMxDy
MPR
MPWL

No

DNREC
P. O. Box 1401
Dover, DE 19903
(302) 739-4793

FOR INDIVIDUAL SUPPLY FACILITY

199

Please type or print clearly!!

JAN 23 1992

1. OWNER OF SYSTEM City of Seaford 5. WELL PERMIT NO. 74465
2. RESPONDENT John L. Hedrick 6. STREAM
3. LOCATION OF FACILITY Dulaney St. 7. INTAKE PERMIT NO.
4. TYPE OF USE: () Public () Ind. () Comm. 8. LOCAL I.D. 5
() Recov. () Other-(specify)
STATUS: (X) Main () Back-up () Emerg. () Not used () Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? () Yes () No-If no, indicate the period
and reason flow was not metered, and describe computational method for
determining estimated flow.

[-----WELLS ONLY-----]						
10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON (hrs.)	SHUT-OFF (hrs.)
1991 JAN <u>1/31</u>	<u>31</u>	<u>8,329,800</u>	<u>950</u>	<u>46'</u>	<u>7</u>	<u>17</u>
FEB <u>2/28</u>	<u>28</u>	<u>10,556,400</u>	<u>950</u>	<u>46'</u>	<u>6</u>	<u>18</u>
MAR <u>3/31</u>	<u>31</u>	<u>11,684,400</u>	<u>950</u>	<u>46'</u>	<u>2</u>	<u>22</u>
APR <u>4/30</u>	<u>30</u>	<u>3,841,100</u>	<u>950</u>	<u>46'</u>	<u>4</u>	<u>20</u>
MAY <u>5/31</u>	<u>31</u>	<u>4,609,400</u>	<u>950</u>	<u>46'</u>	<u>5</u>	<u>19</u>
JUN <u>6/30</u>	<u>30</u>	<u>9,122,500</u>	<u>950</u>	<u>47'</u>	<u>9</u>	<u>15</u>
JUL <u>7/31</u>	<u>31</u>	<u>18,044,000</u>	<u>950</u>	<u>48'</u>	<u>13</u>	<u>11</u>
AUG <u>8/31</u>	<u>31</u>	<u>12,359,600</u>	<u>950</u>	<u>48'</u>	<u>12</u>	<u>12</u>
SEP <u>9/30</u>	<u>30</u>	<u>11,124,000</u>	<u>950</u>	<u>48'</u>	<u>11</u>	<u>13</u>
OCT <u>10/31</u>	<u>31</u>	<u>12,471,400</u>	<u>950</u>	<u>48'</u>	<u>10</u>	<u>14</u>
NOV <u>11/30</u>	<u>30</u>	<u>11,528,400</u>	<u>950</u>	<u>47'</u>	<u>10</u>	<u>14</u>
DEC <u>12/31</u>	<u>31</u>	<u>15,246,700</u>	<u>950</u>	<u>47'</u>	<u>10</u>	<u>14</u>

16. TOTAL ANNUAL PUMPAGE 118,917,700

17. SIGNATURE John L. Hedrick

DATE 1-27-92

DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY

AP No 90-00067m
MxDy 1.58
MPR 1100
MPWL N/A

MxMo 18.0 No July
MnMxDy 581
MPR 950
MPWL 48'

91WUR

AR100037

DNREC
P.O. Box 1401
Dover, DE 19903
(302) 739-4793

Please type or print clearly!!

1. OWNER OF SYSTEM SCOFORD
2. ADDRESS _____ ZIP CODE _____
3. RESPONDENT _____
4. TITLE _____
5. PHONE _____ WORK HOURS - FROM _____ TO _____
6. FACILITY(S): Wells 1A, 2, 3, 4, 5

↓ capped off - no pumpage for seven yrs

	7. TOTAL MONTHLY SELF-SUPPLIED (gallons)	8. TOTAL MONTHLY PURCHASED (P) SOLD (S) (gal.)	9. SUPPLIED FROM/TO	10. TOTAL MONTHLY BILLED-FOR (gallons)
JAN	23,238			
FEB	24,440			
MAR	39,444			
APR	29,465			
MAY	46,903			
JUN	52,269			
JUL	45,269			
AUG	41,450			
SEP	37,663			
OCT	32,641			
NOV	29,689			
DEC	27,758			
	425,044			
11. ANNUAL SYSTEM TOTALS				

12. (PUBLIC SUPPLIERS ONLY)
PERCENTAGE OF METERED CONNECTIONS _____ IF NOT 100%, THEN BY WHEN _____

13. SIGNATURE LJ-WSB DATE _____

FOR LOGGING PURPOSES
DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY

AP No 90-0006 Rm
Mo 2-15-92
MnDy 4.0 mdy
Yr 750 mdy
UAWLS _____

mod 3-4-92
REC 8-12-91 24P 2021
D - _____ CP
NU: 8 I C R O

MaMo 52.26 Mo 1.742
MnMoDy 1.742
Yr 42504
↓
avg = 1.16mgd

91888

CLa

10100028

Water Supply Branch
OHREC
P. O. Box 1401
Dover, DE 19903
(302) 729-4793

FOR INDIVIDUAL SUPPLY FACILITY

1990

Please type or print clearly!!

1. OWNER OF SYSTEM City of Sandwich
2. RESPONDENT John H. Wedgates
3. LOCATION OF FACILITY Arbutus Avenue
4. TYPE OF USE: (X) Public () Ind. () Comm.
() Recov. () Other-(specify) _____
5. WELL PERMIT NO. 51245
6. STREAM _____
7. INTAKE PERMIT NO. _____
8. LOCAL I.D. 1A
9. STATUS: (X) Main () Back-up () Emerg. () Not used () Abandoned
10. WAS ALL FLOW LISTED BELOW METERED? () Yes () No-If no, indicate the period and reason flow was not metered, and describe computational method for determining estimated flow. _____

ARBUTUS

[-----WELLS ONLY-----]					
10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)
90 JAN 1/31	31	✓ 21,292,900	1585	55'	2 3/4h. 20 1/4h.
FEB 2/28	28	✓ 18,091,500	11610	56'	9h. 15h.
MAR 3/31	31	✓ 16,214,400	11640	55'	2 3/4h. 21 3/4h.
APR 4/30	30	✓ 19,501,600	10445	55'	10 3/4h. 13 1/4h.
MAY 5/31	31	✓ 28,921,100	1590	55'	9 3/4h. 14 1/4h.
JUN 6/30	30	✓ 23,003,400	1330	58'	12 3/4h. 10 1/4h.
JUL 7/31	31	✓ 19,109,500	11630	56'	6 1/2h. 17 1/2h.
AUG 8/31	31	✓ 24,235,200	1590	55'	6 1/2h. 17 1/2h.
SEP 9/30	30	✓ 21,554,400	1520	55'	5 1/2h. 19 1/2h.
OCT 10/31	31	✓ 25,739,400	1512	55'	7 1/4h. 16 1/4h.
NOV 11/30	30	✓ 18,759,000	1490	56'	5 1/4h. 19 3/4h.
DEC 12/31	31	✓ 10,545,500	11620	55'	5h. 19h.

16. TOTAL ANNUAL PUMPAGE 259,699,100

17. SIGNATURE _____ DATE _____

DO NOT WRITE BELOW THIS LINE - OHREC USE ONLY

AP No 90-0006 7BI
MxHy 2.448
MPR 1700
MPWL —

MxMe 33.00 No _____
MxMxHy 1.10
MPR 1543
MPWL 58'

ARI00039

Water Supply Branch
DNREC
P. O. Box 1401
Dover, DE 19903
(302) 739-4793

DNREC USE REPORT
FOR INDIVIDUAL SUPPLY FACILITY

1 9 9 0

Please type or print clearly

1. OWNER OF SYSTEM City of Seaford 5. WELL PERMIT NO. 10733
2. RESPONDENT John A. Hackett 6. STREAM
3. LOCATION OF FACILITY Hall Street 7. INTAKE PERMIT NO.
4. TYPE OF USE: (X)Public ()Ind. ()Comm. 8. LOCAL I.D. 2
()Recov. ()Other--(specify)
STATUS: (X)Main ()Back-up ()Emerg. ()Not used ()Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? (X)Yes ()No-If no, indicate the period
and reason flow was not metered, and describe computational method for
determining estimated flow.

(2) Hall Street

[-----WELLS ONLY-----]						
10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfg.)	15. PUMPING CYCLE ON (hrs.)	SHUT-OFF (hrs.)
90 JAN 1/31	31 ✓	0	0	0	0	0
FEB 2/22	28 ✓	229900	700	41'	9	N/A
MAR 3/31	31 ✓	4,143,300	700	42'	9	N/A
APR 4/30	30 ✓	4,080,500	700	45'	9	N/A
MAY 5/31	31 ✓	2,219,400	700	37'	9	N/A
JUN 6/30	30 ✓	2,916,100	700	36 1/2'	9	N/A
JUL 7/31	31 ✓	4,295,400	700	37'	9	N/A
AUG 8/31	31 ✓	4,222,300	700	36'	9	N/A
SEP 9/30	30 ✓	4,508,100	700	36'	9	N/A
OCT 10/31	31 ✓	4,931,800	700	37'	9	N/A
NOV 11/30	30 ✓	4,055,100	700	37'	9	N/A
DEC 12/31	31 ✓	5,522,300	700	37'	9	N/A

16. TOTAL ANNUAL PUMPAGE 59,534,900

17. SIGNATURE _____ DATE _____

DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY

AP No 90-0226
MxBy 1,333
NPR 733
NPWL

MxNo 12.86 No
MxMxBy 0.43
NPR 733
NPWL 45'

AR100040

Water Supply Branch
DNREC
P. O. Box 1401
Dover, DE 19903
(302) 738-4793

FOR INDIVIDUAL SUPPLY FACILITY

1 8 8 0

Please type or print clearly!!

1. OWNER OF SYSTEM City of Dover
2. RESPONDENT John L. Weaver
3. LOCATION OF FACILITY Dover, Del.
4. TYPE OF USE: (X)Public ()Ind. ()Comm. ()Recov. ()Other-(specify) _____
5. WELL PERMIT NO. 10422
6. STREAM _____
7. INTAKE PERMIT NO. _____
8. LOCAL I.D. 3
9. STATUS: (X)Main ()Back-up ()Emerg. ()Not used ()Abandoned
10. WAS ALL FLOW LISTED BELOW METERED? (X)Yes ()No-If no, indicate the period and reason flow was not metered, and describe computational method for determining estimated flow. _____

[---WELLS ONLY---]

10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON (hrs.)	SHUT-OFF (hrs.)
JAN 1/31	31	✓ 1,059,000	71.0	14'	8	16
FEB 2/28	28	0	0	0	0	0
MAR 3/31	31	0	0	0	0	0
APR 4/30	30	✓ 2,464,000	76.0	15'	8	16
MAY 5/31	31	0	0	0	0	0
JUN 6/30	30	✓ 4,862,000	76.0	15'	8	16
JUL 7/31	31	✓ 9,331,000	76.0	15'	9	15
AUG 8/31	31	✓ 5,743,000	76.0	15'	10	14
SEP 9/30	30	✓ 4,805,000	76.0	15'	8	16
OCT 10/31	31	✓ 7,760,000	76.0	15'	8	16
NOV 11/30	30	0	0	0	0	0
DEC 12/31	31	✓ 2,705,000	76.0	15'	8	16
16. TOTAL ANNUAL PUMPAGE		27,344,000				
17. SIGNATURE _____		DATE _____				

DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY

AP No 70-0006 TBL
MxBy 1.124
NPR 300
MPWL -

MxMo 9.33 No _____
MxMxBy 0.311
NPR 760
MPWL 15'

AR100041

WATER USE REPORT FOR INDIVIDUAL SUPPLY FACILITY

1 9 9 0

Water Supply Branch
DNREC
P. O. Box 1401
Dover, DE 19903
(302) 739-4793

Please type or print clearly!!

1. OWNER OF SYSTEM City of Seaford
2. RESPONDENT John L. Hedrick
3. LOCATION OF FACILITY Spurce Street
4. TYPE OF USE: () Public () Ind. () Comm. () Recov. () Other-(specify) _____
5. WELL PERMIT NO. 10230
6. STREAM _____
7. INTAKE PERMIT NO. _____
8. LOCAL I.D. _____
- STATUS: (X) Main () Back-up () Emerg. () Not used () Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? () Yes () No-If no, indicate the period and reason flow was not metered, and describe computational method for determining estimated flow. _____

Was not used in the past 12 months

(4) SPURCE

(-----WELLS ONLY-----)

10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfg.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)
JAN					
FEB					
MAR					
APR					
MAY					
JUN					
JUL					
AUG					
SEP					
OCT					
NOV					
DEC					

16. TOTAL ANNUAL PUMPAGE _____

17. SIGNATURE _____ DATE _____

----- DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY -----

AP No _____
NxDy _____
MPR _____
MPWL _____

WNo _____ No _____
WnxDy _____
WPR _____
WPWL _____

AR100042

Water Supply Branch
DNREC
P. O. Box 1401
Dover, DE 19903
(302) 739-4793

FOR INDIVIDUAL SUPPLY FACILITY

1 0 0 0

Please type or print clearly!!

1. OWNER OF SYSTEM City of Seaford 5. WELL PERMIT NO. 74415
2. RESPONDENT Sam L. Bennett 6. STREAM _____
3. LOCATION OF FACILITY Dunaway Street 7. INTAKE PERMIT NO. _____
4. TYPE OF USE: (X)Public ()Ind. ()Comm. 8. LOCAL I.D. 5
()Recov. ()Other-(specify) _____
STATUS: (X)Main ()Back-up ()Emerg. ()Not used ()Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? (X)Yes ()No-If no, indicate the period
and reason flow was not metered, and describe computational method for
determining estimated flow. _____

(5) Dunaway

(-----WELLS ONLY-----)

10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)
90-JAN 1/31	31	✓ 8,291,100	1,000	55 1/2'	7 1/2 16 1/2
FEB 2/29	29	✓ 7,750,400	1,000	46'	6 18
MAR 3/31	31	✓ 11,116,200	1,000	46'	5 1/2 18 1/2
APR 4/30	30	✓ 4,220,800	1,000	46'	5 19
MAY 5/31	31	✓ 0	0	0	0 0
JUN 6/30	30	✓ 3,141,400	1,000	46'	9 16
JUL 7/31	31	✓ 2,320,900	1,000	46'	4 20
AUG 8/31	31	✓ 2,667,900	1,000	46 1/2'	3 1/2 20 1/2
SEP 9/30	30	✓ 4,400,200	1,000	46'	6 18
OCT 10/31	31	✓ 6,139,100	1,000	46'	5 1/2 18 1/2
NOV 11/30	30	✓ 7,513,100	1,000	46'	6 18
DEC 12/31	31	✓ 1,478,500	1,000	46'	5 19

16. TOTAL ANNUAL PUMPAGE 1,05,149,200

17. SIGNATURE _____ DATE _____

DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY

AP No 90-7006
MxOy 1.594
NPR 1120
MPWL -

MxNo 11.11 No _____
MxMxOy 2.37
NPR 1300
MPWL 55.5

AR100043

Water Supply Branch
DNREC
P.O. Box 1401
Caver, DE 19903
(302) 706-4733

1989
Water Year
Oct. 31/Dec. 31

Please type or print clearly!!

1. OWNER OF SYSTEM City of New York
2. ADDRESS _____ ZIP CODE _____
3. RESPONDENT _____
4. TITLE _____
5. PHONE _____ WORK HOURS - FROM _____ TO _____
FOR _____
6. SOURCE(S): _____

(---PUBLIC SUPPLIERS ONLY---)

	7. TOTAL MONTHLY SELF-SUPPLIED (gallons)	8. TOTAL MONTHLY PURCHASED (P) SOLD (S) (gal.)	9. SUPPLIED FROM/TO	10. TOTAL MONTHLY BILLED-FOR (gallons)
29 OCT	33,225			
NOV	35,817			
DEC	36,560			
31 JAN	33,767			
FEB	28,130			
MAR	30,273			
APR	31,242			
MAY	35,743			
JUN	42,167			
JUL	41,237			
AUG	39,522			
SEP	38,713			
OCT	30,802			
NOV	29,098			
DEC	31,077			

11. SYSTEM ANNUAL TOTALS

12. (PUBLIC SUPPLIERS ONLY)

PERCENTAGE OF METERED CONNECTIONS _____ IF NOT 100%, THEN BY WHEN _____

13. SIGNATURE _____

DATE _____

DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY

MMMo 42167 Mo _____
MMmMo 1401 Mo _____

AP No _____
Mo _____
MoOy _____

AR100044

24 _____
2 - _____ CP
211 2 1 0 2 2

Water Supply Branch
DNREC
P. O. Box 1401
Dover, DE 19903
(302) 736-4793

FOR INDIVIDUAL SUPPLY FACILITY

1989
89

FEB - 1 1990

Please type or print clearly

1. OWNER OF SYSTEM CITY OF SEAFORD 5. WELL PERMIT NO. 56265
2. RESPONDENT _____ 6. STREAM _____
3. LOCATION OF FACILITY ARBUTUS AVENUE 7. INTAKE PERMIT NO. _____
4. TYPE OF USE: (X)Public ()Ind. ()Comm. ()Recov. ()Other-(specify) _____
STATUS: (X)Main ()Back-up ()Emerg. ()Not used ()Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? (X)Yes ()No-If no, indicate the period and reason flow was not metered, and describe computational method for determining estimated flow. _____

ARBUTUS 1989

[-----WELLS ONLY-----]						
10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)	
'89 JAN 1/31 ✓	31	33,766,200	1580	61	1 1/2	N/A
FEB 2/28 ✓	28	25,017,900	1600	59 1/2	2	N/A
MAR 3/31 ✓	31	28,185,200	1600	58	2	N/A
APR 4/30 ✓	30	25,821,800	1600	20	N/A	4
MAY 5/31 ✓	31	30,080,100	1650	58	1 1/2	N/A
JUN 6/30 ✓	30	31,475,100	1560	17 1/2	N/A	6
JUL 7/31 ✓	31	32,238,700	1600	18 1/2	N/A	4
AUG 8/31 ✓	31	31,349,300	1620	56	1 1/2	N/A
SEP 9/30 ✓	30	32,880,900	1640	59	1	N/A
OCT 10/31 ✓	31	26,664,900	1600	60-3/4	4	N/A
NOV 11/30 ✓	30	26,393,300	1560	61	4	N/A
DEC 12/31 ✓	31	20,191,300	1600	55	1	N/A

16. TOTAL ANNUAL PUMPAGE 344,064,700

17. SIGNATURE [Signature]

DATE 1-30-90

----- DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY -----

AP No _____
MxDy _____
MPR _____
MPWL _____

MxMo _____ Mo _____
MnMxDy _____
MPR _____
MPWL _____

ARI00045

1988

Please type or print clearly!!

1. OWNER OF SYSTEM CITY OF SEAFORD 5. WELL PERMIT NO. 56265
2. RESPONDENT JOHN I. HEDRICK 6. STREAM _____
3. LOCATION OF FACILITY ARBUTUS AVENUE 7. INTAKE PERMIT NO. _____
4. TYPE OF USE: (X)Public () Ind. () Comm. (S) LOCAL I.D. 14
() Recov. () Other-(specify) _____
STATUS: (X)Main () Back-up () Emerg. () Not used () Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? (X) Yes () No-if no, indicate the period
and reason flow was not metered, and describe computational method for
determining estimated flow. _____

1A ARBUTUS

[-----WELLS ONLY-----]

	9. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON (hrs.)	SHUT-OFF (hrs.)
	JAN						
	FEB						
	MAR						
	APR						
	MAY						
	JUN						
	JUL						
	AUG						
	SEP						
1988	OCT 10/31	31 ✓	33225700	1600	60	3	N/A
1988	NOV 11/30	30 ✓	33503800	1550	61	4	N/A
1988	DEC 12/31	31 ✓	34246800	1600	24	N/A	2

16. TOTAL ANNUAL PUMPAGE

17. SIGNATURE

DATE 1-30-90

DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY

AP No _____
MxOy _____
MPR _____
MPWL _____

NxMo	_____	Mo	_____
MnMxDy	_____		_____
MPA	_____		_____
MPWL	_____		_____

AR100046

Water Supply Branch
DNREC

P. O. Box 1401
Dover, DE 19903
(302)735-4793

WATER USE REPORT
FOR INDIVIDUAL SUPPLY FACILITY

1990

FEB - 1 1990

Please type or print clearly

1. OWNER OF SYSTEM CITY OF SEAFORD 5. WELL PERMIT NO. 10323
2. RESPONDENT JOHN L. HEDRICK 6. STREAM 1
3. LOCATION OF FACILITY NYLON BLVD. 7. INTAKE PERMIT NO. 1
4. TYPE OF USE: (X)Public ()Ind. ()Comm. 8. LOCAL I.D. 1 3
()Recov. ()Other-(specify) _____
STATUS: (X)Main ()Back-up ()Emerg. ()Not used ()Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? (X)Yes ()No-if no, indicate the period
and reason flow was not metered, and describe computational method for
determining estimated flow. _____

NYLON

[-----WELLS ONLY-----]

10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)
JAN <u>1/31</u>	<u>31</u> ✓	<u>1,000</u>	<u>573</u>	<u>10</u>	<u>N/A</u>
FEB <u>2/28</u>	<u>38</u> ✓	<u>3,113,000</u>	<u>550</u>	<u>24</u>	<u>2 N/A</u>
MAR <u>3/31</u>	<u>31</u> ✓	<u>2,088,000</u>	<u>540</u>	<u>24</u>	<u>4 N/A</u>
APR <u>4/30</u>	<u>30</u> ✓	<u>5,421,000</u>	<u>550</u>	<u>22</u>	<u>8 N/A</u>
MAY <u>5/31</u>	<u>31</u> ✓	<u>5,663,000</u>	<u>570</u>	<u>20</u>	<u>8 N/A</u>
JUN <u>6/30</u>	<u>30</u> ✓	<u>10,692,000</u>	<u>555</u>	<u>16</u>	<u>8 N/A</u>
JUL <u>7/31</u>	<u>31</u> ✓	<u>8,999,000</u>	<u>550</u>	<u>17</u>	<u>8 N/A</u>
AUG <u>8/31</u>	<u>31</u> ✓	<u>7,173,000</u>	<u>575</u>	<u>21</u>	<u>8 N/A</u>
SEP <u>9/30</u>	<u>30</u> ✓	<u>5,833,000</u>	<u>560</u>	<u>20</u>	<u>8 N/A</u>
OCT <u>10/31</u>	<u>31</u> ✓	<u>6,139,000</u>	<u>575</u>	<u>22</u>	<u>8 N/A</u>
NOV <u>11/30</u>	<u>30</u> ✓	<u>2,418,000</u>	<u>570</u>	<u>31</u>	<u>N/A 24</u>
DEC _____	_____	<u>NONE</u>	_____	_____	_____

16. TOTAL ANNUAL PUMPAGE 57,540,000

17. SIGNATURE John L. Hedrick

DATE 1-30-90

----- DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY -----

AP No _____
MxMy _____
MPR _____
MPWL _____

MxMo _____ Mo _____
MnMxMy _____
MPR _____
MPWL _____

AR100047

Water Supply Branch
DNREC
P. O. Box 1401
Dover, DE 19903
(302)736-4793

WATER SUPPLY REPORT
FOR INDIVIDUAL SUPPLY FACILITY

1990
89

Please type or print clearly!!

1. OWNER OF SYSTEM CITY OF SEAFORD
2. RESPONDENT JOHN L. HEDRICK
3. LOCATION OF FACILITY NYLON BLVD.
4. TYPE OF USE: (x)Public ()Ind. ()Comm. ()Recov. ()Other-(specify) _____
5. WELL PERMIT NO. 10323
6. STREAM _____
7. INTAKE PERMIT NO? _____
8. LOCAL I.D. 2
- STATUS: (x)Main ()Back-up ()Emerg. ()Not used ()Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? (x)Yes ()No-If no, indicate the period and reason flow was not metered, and describe computational method for determining estimated flow. _____

(3) NYLON

(-----WELLS ONLY-----)

10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)
JAN					
FEB					
MAR					
APR					
MAY					
JUN					
JUL					
AUG					
SEP					
1988 OCT	NOT RUNNING			10	
1988 NOV	11/30 ✓ 30	2,314,000	550	20	1 N/A
1988 DEC	12/31 ✓ 31	2,314,000	540	18	8 N/A

16. TOTAL ANNUAL PUMPAGE 4,628,000

17. SIGNATURE John L. Hedrick

DATE

1-30-90

----- DO NOT WRITE BELOW THIS LINE - DNREC USE ONLY -----

AP No _____
MxDy _____
MPR _____
MPWL _____

MxMo _____ Mo _____
MnMxDy _____
MPR _____
MPWL _____

AR100048

DMREC

P. O. Box 1401
Dover, DE 19903
(202)736-4793

Please type or print clearly!!

1. OWNER OF SYSTEM CITY OF SEAFORD
2. RESPONDENT JOHN L. HEDRICK
3. LOCATION OF FACILITY DULANEY
4. TYPE OF USE: (X)Public ()Ind. ()Comm. ()LOCAL I.D. 5
()Recov. ()Other-(specify) _____
5. WELL PERMIT NO. 74465
6. STREAM _____
7. INTAKE PERMIT NO. _____
8. STATUS: (X)Main ()Back-up ()Emerg. ()Not used ()Abandoned
9. WAS ALL FLOW LISTED BELOW METERED? (X)Yes ()No-If no, indicate the period and reason flow was not metered, and describe computational method for determining estimated flow. _____

(5) DULANEY

[-----WELLS ONLY-----]

10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)
JAN					
FEB					
MAR					
APR					
MAY					
JUN					
JUL					
AUG					
SEP					
89 OCT	NONE				
89 NOV	11/30 ✓ 4	288,200	1,100	25' 15"	N/A 24
89 DEC	12/31 ✓ 31	10,886,500	1,100	55' 45"	2 N/A

WATER SUPPLY BOARD
10-15-16-17-18-19
FEB - 1 1990

newly installed - no prior usage

16. TOTAL ANNUAL PUMPAGE 11,174,700

17. SIGNATURE John L. Hedrick DATE 1-30-90

DO NOT WRITE BELOW THIS LINE - DMREC USE ONLY

AP No _____
MxNy _____
MPR _____
MPWL _____

MxMo _____ No _____
MnMxNy _____
MPR _____
MPWL _____

AR100049

Water Supply Branch
DNREC
P. O. Box 1401
Dover, DE 19903
(302)736-4793

SYSTEM SUMMARY REPORT
Please type or print clearly

1988
Water Year
(Oct. 87/Sep. 88)

1. OWNER OF SYSTEM CITY OF SEAFORD SEAFORD DE
2. ADDRESS 24 Pine Street EXTENDED ZIP CODE 19973
3. RESPONDENT John D. Hunt
4. TITLE Supt. of Public Works
5. PHONE 302-628-2307 WORK HOURS - FROM 8:00 AM TO 5:00 PM
OF THE Supt. Public Works
6. SOURCE(S): Community

*****PUBLIC SUPPLIERS ONLY*****			
7. TOTAL MONTHLY SELF-SUPPLIED (gallons)	8. TOTAL MONTHLY PURCHASED (P) SOLD (S) (gal.)	9. SUPPLIED FROM/TO	10. TOTAL MONTHLY BILLED-FOR (gallons) <u>2nd QUARTERLY</u>
OCT <u>32,596,300</u>	<u>NONE</u>	<u>N/A</u>	<u>34,637,000 2nd QUARTER</u>
NOV <u>32,348,300</u>	<u>NONE</u>	<u>N/A</u>	<u>"</u>
DEC <u>32,124,800</u>	<u>NONE</u>	<u>N/A</u>	<u>"</u>
JAN <u>36,716,400</u>	<u>NONE</u>	<u>N/A</u>	<u>"</u>
FEB <u>38,812,000</u>	<u>NONE</u>	<u>N/A</u>	<u>"</u>
MAR <u>34,761,900</u>	<u>NONE</u>	<u>N/A</u>	<u>"</u>
APR <u>34,399,000</u>	<u>NONE</u>	<u>N/A</u>	<u>"</u>
MAY <u>30,099,400</u>	<u>NONE</u>	<u>N/A</u>	<u>"</u>
JUN <u>42,696,200</u>	<u>NONE</u>	<u>N/A</u>	<u>"</u>
JUL <u>39,087,100</u>	<u>NONE</u>	<u>N/A</u>	<u>"</u>
AUG <u>22,181,300</u>	<u>NONE</u>	<u>N/A</u>	<u>"</u>
SEP <u>36,032,200</u>	<u>NONE</u>	<u>N/A</u>	<u>"</u>
<u>457,341,900</u>			<u>138,636,000</u>
11. SYSTEM TOTAL ANNUAL			

12. (PUBLIC SUPPLIERS ONLY)
PERCENTAGE OF METERED CONNECTIONS 20 % IF NOT 100%, THEN BY WHEN _____
13. SIGNATURE John D. Hunt DATE JANUARY 29, 1989

DO NOT WRITE BELOW LINE - DNREC USE ONLY

AP No _____
Mo _____
MeanDay _____
Yr _____

Mo _____
MeanDay _____
Yr _____

AR 100050
E22
D-
WU F I C A G C CP

Water Supply Branch
DNREC
P. O. Box 1401
Dover, DE 19903
(302)736-4793

WATER-USE REPORT
FOR INDIVIDUAL SUPPLY SOURCE
Please type or print clearly

1988
Water Year
(Oct. 87/Sep. 88)

1. OWNER OF SYSTEM CITY OF SEAFOORD 5. WELL PERMIT NO. 56265
2. RESPONDENT JOHN D. HOLT 6. STREAM COLUMBIA
3. LOCATION OF SOURCE COLUMBIA 7. INTAKE PERMIT NO. _____
4. TYPE OF USE: Public ☒ Ind. ☐ Comm. ☐ 8. LOCAL I.D. AGRICULTURAL PUMP #1A
Agric. ☐ GC ☐ Main ☐ Back-up ☐ Emerg. ☐ Not used ☐ Abandoned ☐
9. WAS ALL FLOW LISTED BELOW METERED? Yes ☒ No ☐ If no, indicate the period
and reason flow was not metered, and describe computational method for
determining estimated flow. ONLY COMMERCIAL OR METERED AND EACH
PUMP STATION HAS ITS OWN METER

10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.) ON DEMAND
OCT <u>30</u>	<u>30</u>	<u>26,497,300</u>	<u>1500</u>	<u>61 FT</u>	<u>AUTOMATIC</u>
NOV <u>31</u>	<u>31</u>	<u>26,497,300</u>	<u>1500</u>	<u>61 FT</u>	<u>52 lbs. Closes ON</u>
DEC <u>31</u>	<u>31</u>	<u>26,171,800</u>	<u>1500</u>	<u>61 FT</u>	<u>52 lbs. Cuts OFF</u>
JAN <u>31</u>	<u>31</u>	<u>30,707,400</u>	<u>1500</u>	<u>61 FT</u>	<u>" "</u>
FEB <u>29</u>	<u>29</u>	<u>27,576,000</u>	<u>1500</u>	<u>61 FT</u>	<u>" "</u>
MAR <u>31</u>	<u>31</u>	<u>30,145,900</u>	<u>1500</u>	<u>61 FT</u>	<u>" "</u>
APR <u>31</u>	<u>31</u>	<u>34,399,000</u>	<u>1500</u>	<u>61 FT</u>	<u>" "</u>
MAY <u>31</u>	<u>31</u>	<u>23,303,400</u>	<u>1500</u>	<u>61 FT</u>	<u>" "</u>
JUN <u>30</u>	<u>30</u>	<u>41,229,200</u>	<u>1500</u>	<u>61 FT</u>	<u>" "</u>
JUL <u>31</u>	<u>31</u>	<u>37,115,000</u>	<u>1500</u>	<u>62</u>	<u>" "</u>
AUG <u>31</u>	<u>31</u>	<u>30,748,100</u>	<u>1500</u>	<u>62</u>	<u>" "</u>
SEP <u>30</u>	<u>30</u>	<u>33,484,200</u>	<u>1500</u>	<u>59 FT</u>	<u>" "</u>
16. TOTAL ANNUAL PUMPAGE		<u>338,562,600</u>			
17. SIGNATURE <u>John D. Holt</u>			DATE <u>January 29, 1989</u>		

DO NOT WRITE BELOW LINE - DNREC USE ONLY

MaxMo _____ No _____
MeanMaxDay _____
MFR _____
MFWL _____

AP No _____
MaxDay _____
MFR _____
MFWL _____

AR100051

Water Supply Branch
DNREC
P. O. Box 1401
Dover, DE 19903
(302)736-4793

WATER-USE REPORT
FOR INDIVIDUAL SUPPLY SOURCE
Please type or print clearly

1988
Water Year
(Oct. 87/Sep. 88)

1. OWNER OF SYSTEM CITY OF SEAFORD 5. WELL PERMIT NO. 10322
2. RESPONDENT John D. Holt 6. STREAM Columbia
3. LOCATION OF SOURCE Columbia 7. INTAKE PERMIT NO. _____
4. TYPE OF USE: Public ☒ Ind. ☐ Comm. ☐ 8. LOCAL I.D. None IT # 2
Agric. ☐ GC ☐ Main ☐ Back-up ☐ Emerg. ☐ Not used ☐ Abandoned ☐
9. WAS ALL FLOW LISTED BELOW METERED? Yes ☒ No ☐ If no, indicate the period
and reason flow was not metered, and describe computational method for
determining estimated flow. METER ON COMMERCIAL ONLY
METER ON WELL

10. DATE OF LAST READING FOR MONTH OF	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)	WELLS ONLY
						HAND CONTROL
OCT						
NOV						
DEC						
JAN						
FEB						
MAR						
APR						
MAY						
JUN						
JUL	<u>28</u>	<u>28</u>	<u>1,008,920</u>	<u>630</u>	<u>38 FT</u>	<u>8:00AM 9:10PM</u>
AUG	<u>31</u>	<u>31</u>	<u>473,643</u>	<u>630</u>	<u>38 FT</u>	<u>8:00AM 9:00PM</u>
SEP			<u>Not Run</u>			
16. TOTAL ANNUAL PUMPAGE		<u>1,482,563</u>				
17. SIGNATURE		<u>John D. Holt</u>	DATE <u>Jan. 29, 1989</u>			

DO NOT WRITE BELOW LINE - DNREC USE ONLY

MaxMo _____ No _____ AF No _____ RFF _____
MeanMaxDay _____
MFR _____
MPWL _____
MFR _____
MPWL _____
AR100052

Water Supply Branch
DNREC
P. O. Box 1401
Dover, DE 19903
(302)736-4793

WATER-USE REPORT
FOR INDIVIDUAL SUPPLY SOURCE
Please type or print clearly

1988
Water Year
(Oct. 87/Sep. 88)

1. OWNER OF SYSTEM CITY OF SEAFORD 5. WELL PERMIT NO. 10323
2. RESPONDENT John D. Hart 6. STREAM Cockburn
3. LOCATION OF SOURCE Seaford 7. INTAKE PERMIT NO. _____
4. TYPE OF USE: Public ☒ Ind. ☐ Comm. ☐ 8. LOCAL I.D. Nylon Pump #3
Agric. ☐ GC ☐ Main ☐ Back-up ☐ Emerg. ☐ Not used ☐ Abandoned ☐
9. WAS ALL FLOW LISTED BELOW METERED? Yes ☒ No ☐ If no, indicate the period
and reason flow was not metered, and describe computational method for
determining estimated flow. ONLY COMMERCIAL ON METERS - EACH MONTH

[-----WELLS ONLY-----]

10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)
OCT <u>31</u> ✓	<u>31</u>	<u>6,099,000</u>	<u>540</u>	<u>20 FT</u>	<u>2 1/2 hrs - 2 1/2 hrs</u> <u>Automatic</u> <u>1070 Run Hand Control</u>
NOV <u>30</u> ✓	<u>30</u>	<u>5,851,000</u>	<u>540</u>	<u>20 FT</u>	<u>2 1/2 hrs 5:00 PM</u>
DEC <u>31</u> ✓	<u>31</u>	<u>5,950,000</u>	<u>540</u>	<u>20 FT</u>	" "
JAN <u>31</u> ✓	<u>31</u>	<u>5,919,000</u>	<u>540</u>	<u>20 FT</u>	" "
FEB <u>28</u> ✓	<u>28</u>	<u>4,237,000</u>	<u>540</u>	<u>20 FT</u>	" "
MAR <u>22</u> ✓	<u>22</u>	<u>4,616,000</u>	<u>540</u>	<u>20 FT</u>	" "
APR <u>N/A</u>	<u>29</u>	<u>Not Run</u>	<u>540</u>	<u>Not Run</u>	" "
MAY <u>31</u> ✓	<u>27</u>	<u>6,796,000</u>	<u>540</u>	<u>20 FT</u>	" "
JUN <u>30</u> ✓	<u>30</u>	<u>4,467,000</u>	<u>540</u>	<u>20 FT</u>	" "
JUL <u>27</u> ✓	<u>27</u>	<u>4,972,000</u>	<u>540</u>	<u>20 FT</u>	" "
AUG <u>16</u> ✓	<u>16</u>	<u>4,233,200</u>	<u>540</u>	<u>20 FT</u>	" "
SEP <u>12</u> ✓	<u>12</u>	<u>2,540,000</u>	<u>540</u>	<u>20 FT</u>	" "
16. TOTAL ANNUAL PUMPAGE		<u>98,779,300</u>			
17. SIGNATURE <u>John D. Hart</u>		DATE <u>Jun. 29, 1989</u>			

DO NOT WRITE BELOW LINE - DNREC USE ONLY

MaxMo _____ Mo _____
MeanMaxDay _____
MFR _____
MPWL _____

AP No _____
MaxDay _____
MFR _____
MPWL _____

ARI00053

Water Supply Branch
DNREC
P. O. Box 1401
Dover, DE 19903
(302)736-4793

WATER-USE REPORT
FOR INDIVIDUAL SUPPLY SOURCE
Please type or print clearly

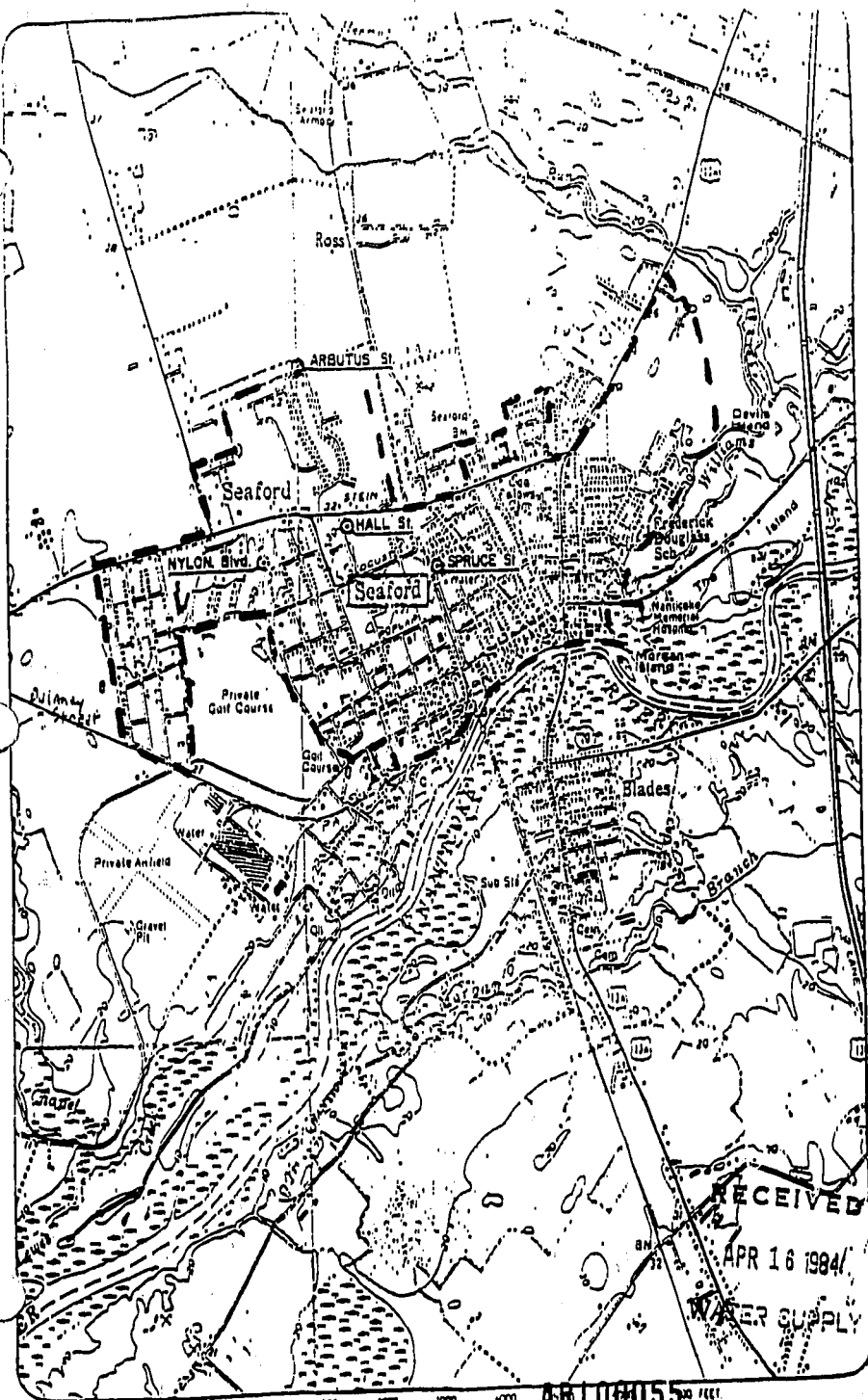
1988
Water Year
(Oct. 87/Sep. 88)

1. OWNER OF SYSTEM City of Seaford 5. WELL PERMIT NO. 10338
2. RESPONDENT Paul D. Hunt 6. STREAM Seaford
3. LOCATION OF SOURCE Columbia 7. INTAKE PERMIT NO. _____
4. TYPE OF USE: Public ☒ Ind. ☐ Comm. ☐ 8. LOCAL I.D. Seaford St. Pump #4
Agric. ☐ GC ☐ Main ☐ Back-up ☐ Emerg. ☐ Not used ☐ Abandoned ☐
9. WAS ALL FLOW LISTED BELOW METERED? Yes ☒ No ☐ If no, indicate the period
and reason flow was not metered, and describe computational method for
determining estimated flow. _____

10. DATE OF LAST READING FOR MONTH OF:	11. PERIOD (days)	12. TOTAL PUMPAGE (gals.)	13. RATE (gpm)	14. PUMPING LEVEL (ft. below sfc.)	15. PUMPING CYCLE ON SHUT-OFF (hrs.) (hrs.)
OCT					
NOV					
DEC					
JAN					
FEB					
MAR					
APR					
MAY					
JUN					
JUL					
AUG					
SEP					
16. TOTAL ANNUAL PUMPAGE _____					
17. SIGNATURE _____			DATE _____		

DO NOT WRITE BELOW LINE - DNREC USE ONLY

MaxMo _____ No _____ AF No _____
MeanMaxDay _____ MaxDay ARTUD054
MFR _____ MFR _____
MWL _____ MWL _____



RECEIVED
APR 16 1984
WATER SUPPLY

AR10055

MAIL TO:
WATER SUPPLY BRANCH
DIVISION OF ENVIRONMENTAL CONTROL
P.O. BOX 1401
DOVER, DELAWARE 19301

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL

WELL COMPLETION REPORT MUST
BE RETURNED 21 DAYS AFTER
CONSTRUCTION DATE

PLEASE PRINT

ARSDU 3 W/11 WELL COMPLETION REPORT

PERMIT NO. 56265 LOCAL ID _____

OWNER City of Seaford

CONSTRUCTION DATE 4/16/84

PURPOSE. ☐ TEST ☒ PERMANENT

USE. ☐ DOMESTIC ☐ AGRICULTURAL
☐ COMMERCIAL ☐ INDUSTRIAL
☐ IRRIGATION ☒ PUBLIC
☐ MONITOR ☐ DEWATERING
☐ HEAT PUMP RECHARGE ☐ HEAT PUMP SUPPLY
☐ OTHER (Specify) _____

IS THIS A REPLACEMENT WELL? YES ☒ NO ☐

ABANDONMENT DATE FOR OLD WELL _____

ABANDONMENT METHOD Steel Capped

DRILLING METHOD

☐ AUGERED ☐ BORED ☐ CABLE TOOL
☐ DRIVEN ☐ JETTED ☐ AIR ROTARY
☐ MUD ROTARY ☒ REVERSE ☐ WASHED
☐ OTHER (Specify) _____

TOTAL DEPTH DRILLED 114'

CASING SEQUENCE

	1st	2nd	3rd	4th
CASING TOP	70'			
CASING BOTTOM	74'			
CASING DIAMETER	16"			
CASING MATERIAL	STEEL			

SCREEN SEQUENCE

	1st	2nd	3rd	4th
SCREEN TOP	74'			
SCREEN BOTTOM	114'			
SCREEN DIAMETER	12"			
SCREEN MATERIAL	STEEL			

WRITTEN APPROVAL FOR SCREENING/
GRAVEL PACKING MORE THAN ONE AQUI-
FER MUST BE OBTAINED FROM DNREC.

GROUT TYPE: CEMENT ☒ BENTONITE CLAY ☐

OTHER: _____
FROM 0 TO 35 FEET
NON-GROUT BACKFILL OF WELL ANNULUS
TYPE _____ FROM _____ TO _____ FEET

GRAVEL PACK: TYPE MORIE #2-3
FROM 35 TO 114 FEET

STATIC WATER LEVEL: DATE 4/16/84

0 FT. (Below, above) GROUND SURFACE

PUMPING WATER LEVEL: _____ FT. BELOW GRADE

AFTER 24 HOURS AT 1016 GPM.

WELL HEAD COMPLETION:

TYPE: FITLESS ADAPTOR ☐
OTHER ☒ Discharge Head
24 INCHES ABOVE GRADE.

TYPE OF PERMANENT PUMP INSTALLED:

PUMP MANUFACTURE Un Known - VTP

RATED CAPACITY (GPM) 175

PUMP INTAKE SETTING 50 FT. BELOW GRADE.

THE COMPLETED WELL IS?

	YES	NO
A. AT LEAST 5' FROM ANY OVERHANG	☒	☐
B. AT LEAST 50' FROM ANY SEPTIC TANK	☒	☐
C. AT LEAST 10' FROM TOWN SEWER LINE	☒	☐
D. AT LEAST 100' FROM THE NEAREST EDGE OF ANY TILE FIELD	☒	☐

THE NEAREST NEIGHBORS (CIRCLE ONE)

SEPTIC ☒ TILE FIELD ☐ CESSPOOL ☐ PRIVY ☐
IS 50 FT. FROM COMPLETED WELL CENTRAL SEPTIC
IS COMPLETED WELL LOCATED AS SHOWN ON APPLICATION FORM? ☒ ☐
IF NO, DESCRIBE LOCATION CHANGE OR OTHER COMMENTS.

DRILLERS LOG DESCRIPTION	TOP OF STRATA	BOTTOM OF STRATA
Tn and cly	0	3
Fn/crse tn and	3	14
Med/crse tn and	14	34
Med/crse tn and & rck	34	38
Med/crse tn and	38	71
Orange cly	71	72
Med/crse tn and	72	115
Iron ore	115	116
Orange cly	116	118
Blue cly	118	124

SUPPLEMENTAL DRILLERS LOG ATTACHED YES ☐ NO ☒

PAGE 1 OF _____ PAGES

COMPANY NAME Delmarva Drilling Co.

SIGNATURE OF DRILLER IN CHARGE: B. Carr DATE 5/9/84

ARPD00056

APPENDIX B
TELEPHONE LOGS

AR100057

TELEPHONE INTERVIEW
WITH
DOLORES SLATCHER
11/17/92
10:15 a.m.

- Ms. Slatcher was contacted for telephone interview.
- Arbutus well and Hall Street well together form little more than half the capacity of the city's water needs.
- According to the latest census data, the population of the City of Seaford is 5389.
- About 98% of the population is on city water supply.
- Less than 100 people area on private residential well.
- Majority of these people are living about 1/4-1/2 mile east of the Arbutus well across railway crossing.
- Initially there was a complaint of bad odor in drinking water registered by residents living south of the well.
- Department of Health was contacted and they immediately sampled the water of the residents and their neighbors.
- Analytical results showed presence of PCE at 12-13 ppb exceeding EPA's Safe Drinking Water Standards of 5 ppb (parts per billion).
- Therefore, on September 22, 1992 the City of Seaford decided to shut off the production of the Arbutus well.
- She described City of Seaford as a rural community. The major source of local economy are the school district, hospital, DuPont, agriculture, retail and fast foods.
- Major agricultural crops cultivated in the area are soya beans, corn, wheat and rye.
- According to her knowledge they do not know if there are any dry cleaners within the close area of the contaminated well (the dry cleaners do use Perchloroethylene in their business).
- Underground storage tanks in the area around the Hall Street well south of the Arbutus well might have caused the contamination in the Hall Street well.
- Based on the results of the test well the city has plans to install a new well in the vicinity of the test well location.
- The city is evaluating the feasibility of installing a treatment unit on the Arbutus well and they have plans to utilize that well in the future.

AR100058

TELEPHONE INTERVIEW

WITH

JOHN HEDRICK

11/17/92

10:40 a.m.

- John Hedrick, Superintendent of Public Works, City of Seaford as recommended by Dolores Slatcher, was contacted.
- According to him, Arbutus well was installed in mid 1960's and the old well housed in a building was capped and a new (i.e. the current well) well was installed in mid 1980's.
- The Arbutus well is about 120 feet deep.
- He remembers receiving a complaint from a resident about quarter of a mile south of the well.
- He smelled alcohol odor in the water.
- Division of Health was immediately contacted (Chuck Davis).
- Division of Health sampled water from all four production wells.
- Arbutus well detected 12-13 ppb of PCE.
- Therefore, they decided to shut off the Arbutus well.
- The Hall Street well was shut off in 1987.
- The two gas stations and a car dealership could have been the source of contamination in the Arbutus well.
- He thinks the source for the contamination in the Arbutus well may be in the industrial park.
- Southern Metal Processing Company about 1500 feet north of the Arbutus well was engaged in cleaning parts for DuPont Company. (The common parts cleaning or cleaner used in the industry is PCE.)
- The industrial park needs about 600-1000 gpm of water.
- Public Works Department hopes to produce at least 300-400 gpm in the new proposed well (based on the results of the test well).
- John said, he has recommended the City of Seaford to evaluate installing a treatment system for the Arbutus well such that its production of 1200-1500 gpm can be better utilized.
- According to John the drawdown on the Arbutus well is 65 feet. Drawdown on the Hall Street well is 55 feet.

AR100059

TELEPHONE LOG

From Carly Shroy To Carly Kockelberg Date 11.20.92 Time

Company DAIRIES & Fish Wildlife, Fisheries Resources

Phone Number Follow-up

Message: providing information requested by D. Harnish
re: Fisheries production on Naminick River.

<u>Fishery #</u>	<u>est. production (to nearest 100#'s)</u>
<u># 1</u>	<u>2,100</u>
<u># 2</u>	<u>4,100</u>
<u># 3</u>	<u>29,000</u>
<u># 4</u>	<u>6,200</u>
<u># 5</u>	<u>1,800</u>

- species included in this estimate re: Amer. shad, Amer. eel, river herring, catfish species (3), black crappie, chain pickerel, largemouth bass, striped bass, sunfish, white perch & yellow perch.
- NOTE - the estimates do not include landings in the MD portion of the Naminick River.
- this is perhaps 2 X the amount of the DE landings?

CPK

AR100060



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF FISH AND WILDLIFE
89 KINGS HIGHWAY
P.O. BOX 1401
DOVER, DELAWARE 19903

OFFICE OF THE
DIRECTOR

FAX COVER SHEET

TO: Dilip HANSA/19FAX NO.: 323-4561DATE: 11/30/92NO. OF PAGES: 2
(Including cover sheet)

SPECIAL INSTRUCTIONS:

RE: Arbutus well area near Seaford
Request delay. Hope this is sufficient

FROM: LISA GELVIN-THURMANCOMPANY: DE Div. Fish & WildlifePHONE #: 302-739-4782FAX #: (302) 739-6157

AR100061

INFORMATION FOR DELAWARE STATE LIST OF T&E
Arbuckle Well (incl. surrounding watersheds)

(25)

BIRDS

Haliaeetus leucocephalus

bald eagle
 ALSO F&D ENDANGERED

S1 F

(20)

SNAKES

Agkistrodon contortrix

northern copperhead

S1 F

Cemophora coccinea

northern scarlet snake

S1 F

Elaphe guttata

corn snake

S1 F

Nerodia erythrogaster

redbelly water snake

S1 PO

Storeria occipitomaculata

northern redbelly snake

S1 PR

Lampropeltis getula

eastern kingsnake

S2 F

Opheodrys aestivus

rough green snake

S2 PR

LIZARDS/SKINKS

Eumeces laticeps

broadhead skink

S1 PO

Scincella lateralis

ground skink

S1 F

FROGS

(50)

Hyla chrysocelis

Cope's gray treefrog

E, S1 F

(50)

H. gratiosa

barking treefrog

E, S1 PO

Rana virgatipes

carpenter frog

S1 F

SALAMANDERS/NEUTS

Ambystoma maculatum

spotted salamander

S1 PR

A. tigrinum

eastern tiger salamander

S1 PO

Hemidactylium

four-toed salamander

S1 PO

scutatum

F- found in or near general area

PR -Probably found in or near general area

PO - Possibly found in or near general area

E- officially listed as Endangered on Delaware State list of T&E Wildlife

S1-<5 occurrences in State*

S2- 6-20 occurrences within State*

*- Rankings of the DE Natural Heritage Program. Do not have equivalency status with official status, but are strongly considered during the listing process. S1 and S2 species would be considered strong candidates for listing if not already listed.

OTHER

Insufficient data on nongame mammals, fish or invertebrates.

SUGGESTED

TERRESTRIAL SENSITIVE ENVIRONMENTS VALUES ARE CIRCLED
 & GIVEN WHERE "KNOWN"

" ALSO NANTICORE W.A. IN VICINITY (25)

AR100062

APPENDIX C
DELAWARE WATER USE DATA SYSTEM INFORMATION

AR100063

DOCUMENT REVIEW REQUEST

A. As a citizen of the State of Delaware, I request permission to review the following documents as permitted by the Delaware Sunshine Law of Delaware Code 1301 et seq.

(PLEASE PRINT)

DATE

11/2/92

QUESTIONS - CALL:

(800) 728-1888

NAME

Will Hordelia

ADDRESS

DNREC - SUPERFUND BRANCH
715 GRANTHAM LANE

RETURN TO:

DNREC - WATER SUPPLY

P. O. BOX 146

DOVER, DELAWARE 19903

ATTN: JACKIE YOUNG

RECEIVED
NOV 2 1992

WATER SUPPLY

STREET

NEW CASTLE

DE

19720

CITY

STATE

ZIP

302-323-4540

TELEPHONE NUMBER

Will Hordelia for DN

SIGNATURE OF REQUESTOR

B. The above documents will be available for your review at (time) (date). (No cost is incurred for reviewing documents, however, there will be a charge of \$25.00 per copy requested. For reviewing documents on computer, there will be a charge for employee time (\$10.15/hr. Rate) total computer run charges.

C. I have reviewed all requested documents except (indicate none or title)

(requestor or person picking up documents)

D. Reason for rejection. (Indicate source and section of law)

E. Total charges _____ for _____ copies.

Total charges: Computer _____ Employee Time \$2.32/15min. X _____
Total _____

Receipt No. _____

(DNREC Customer)

AR100064

Jackie Young

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL
DIVISION OF WATER RESOURCES

GROUNDWATER MANAGEMENT
SECTION

(302) 739-3445

WATER SUPPLY BRANCH

CHECK LIST FOR INFORMATION REQUEST FROM D.W.U.D.S.

- | | |
|--|--|
| ☒ PERMIT # (DNREC:ID) | ☐ OWNER ID (CUCOWNERID) |
| ☒ OWNERS NAME (AGENCY_NAME) <i>del</i> | ☐ ADDRESS (ADDRESS_LINE 1, CITY, STATE) |
| ☐ CONSTRUCTION DATE - DATE_DRILLED) | ☐ DRILLER LICENSE # (DRILLID) |
| ☐ PERMIT STATUS (STATUS) | ☒ WELL TYPE (WATER_USE) <i>SELECT</i>
<div style="margin-left: 150px;"> ☐ A+R
 ☐ D
 ☐ P
 <i>only</i> </div> |
| ☐ REPLACEMENT REASON (REP_REASON) | ☐ SEPTIC PERMIT # (SEPTIC) |
| ☒ AQUIFER (HYD_UNIT) | ☐ FORMATION (GEO_UNIT) |
| ☐ COUNTY | ☒ MOOGRID (MOG_GRID) |
| ☐ DRAINAGE BASIN (BASIN) | ☒ LOCAL ID (LOCALID) |
| ☐ DRILL METHOD (DRILL_METH) | ☒ TOTAL DEPTH (HOLE_DEPTH) <i>ORDER BY</i> <i>SORT</i>
<div style="margin-left: 150px;"> <i>ascending depth</i> </div> |
| ☐ CASING DIAMETER (DIAMETER) | ☐ CASING MATERIAL (MATERIAL) |
| ☐ SCREENED INTERVAL (TOP, BOTTOM) | ☐ GROUT (GROUT_TOP, GROUT_BOTTOM) |
| ☐ GRAVEL PACK (GRAVEL_TOP, GRAVEL_BOTTOM) | ☐ WELL CAPACITY GPM (APP_CAP) |
| ☐ MAXIMUM DAILY USE (APP_MAX) | ☐ DRILLER'S LOG* (DRLOG_PRES) |
| ☐ STATIC WATER LEVEL (WATLEV_PRES) | ☒ OTHER <i>ascending order of</i>
<div style="margin-left: 100px;"> <i>Mod. grid numbers</i>
 <i>Count function</i> </div> |

NOTE: INFORMATION IN () ARE FOR OFFICE USE ONLY
* DOES NOT LIST ACTUAL LOG - ONLY NUMBER OF ENTRIES MADE

AR100065

REC'D AGENT NAME	MOD BRD MOD N MODALIC	AGE SEPT
077267 EMRY PHILLIPARY	08600640	A CHICKS 20
082251 GEORGE E LITTLETON		A CR 78 75
082252 GEORGE E LITTLETON		A CR 78 75
087711 FRANK WILLS		A CR 78 45
087717 EMRY PHILLIPS		A C-104 40
087718 FRANK WILLS		A CR 78 40
088720 GEORGE E LITTLETON		A CR 78 40
072000 ROY HORN		A CHICKN 50
085214 RICHARD N WATSON		A fare 60
072277 BOB LAFRAD		A CR490A 60
092028 RON MULLISSE		A HILL N DALE 65
092645 FRED HERTRICH		A RD 490A, LTS1314 70
086302 GRET NICHOLS		A CR 78 60
090960 FRED HERTRICH		A CR 490A 83
090961 FRED HERTRICH		A CR 490A 83
085426 H A H STABLES		A Stable 100
080901 JOHN THEOPHILES		A CR 490 100

080779 ALICE MAY MASON	08501120	A CR 561 60
090779 ALICE MAY MASON		A CR 561 60

087758 GEORGE E LITTLETON	09200800	A Chickn 40
087759 J BRENT NICHOLS		A Chickn 40
074142 DOUGLAS MORGAN		A CR 78 45
060351 STEVEN D HENRY		A Chickn 50
087248 RICHARD DAVIS		A RT 78 50
086908 LAUREL SADDLE CLUB		A 54
090848 FRED MARTIN O'NEAL		A CR 485 55
071510 STEVE GLENN		A CR 485 60
070227 FRED MARTIN O'NEAL		A CR 487 60

087747 KENNETH J ARNEY	09201080	A Chickn 50
071225 KENNETH J ARNEY		A CHICKN 50

077268 RALPH GIVENS	09400840	A CHICKN 40
072865 JAMES C FARMER		A CHICKN 65
076956 MARTIN JACKLES		A ALT 13 45

091864 CLEARBROOK FARM	09401080	A RT 18 53
074141 KENNETH J ARNEY		A RT 18 50
074145 KENNETH J ARNEY		A RT 18 60

082512 DENIS HEARNE	09600800	A CR 493 120
---------------------	----------	--------------

07 records selected.

SEL' speed off

AR100066

AGENCY NAME

WFO, IN W MOD, GRID, HOLE, DEPT, LOCAL ID

136449	ALLEN'S HATCHERY, INC.	R 07001000	55 2
140213	MELVIN TRUITT	R	100 CR 551
136956	ALLEN'S HATCHERY, INC.	R	103 3

010577	DONALD E. TRUITT	R 07200860	55 1aTRU1
010578	DONALD E. TRUITT	R	55 1B TRU
037681	DONALD E. TRUITT	R	55 1TRUIT
077646	JOHN THOMAS LANKFORD	R	71 #1
002136	WILLIAM O'DAY	R	78 #1
010583	WILLIAM O'DAY	R	80 1a
010579	DONALD E. TRUITT	R	90 W2a
010580	DONALD E. TRUITT	R	90 W2b
039581	DONALD E. TRUITT	R	90 #2
059590	ROBERT F MOORE	R	95 WELL#1
059591	ROBERT F MOORE	R	95 WELL#2
059592	ROBERT F MOORE	R	95 WELL#3
010446	RELIANCE FARMS	R	100 3
010445	RELIANCE FARMS	R	111 2
035310	RELIANCE FARMS	R	111 1
039581	CARLTON W. JONES JR.	R	121 2

010567	MELVIN TRUITT	R 07200980	100 CR 551
--------	---------------	------------	------------

010567	WILLIAM O'DAY	R 07400860	0 #5
030427	WILLIAM O'DAY	R	85 #4
002517	WILLIAM O'DAY	R	90
037753	WILLIAM O'DAY	R	90 #2HOME
010564	WILLIAM O'DAY	R	90 2a
010565	WILLIAM O'DAY	R	90 2b

010581	RAY A. TULL	R 07400900	80 #2
052951	RALPH O'DAY	R	80 SITEB2
087262	GRACE TULL	R	80 CR 549
053952	RALPH O'DAY	R	80 SITEB1
087552	GRACE TULL	R	80 CR 549
087551	GRACE TULL	R	80 CR 549
052954	JAMES O'DAY, R. JACKSON	R	80 SITEC2
052953	JAMES O'DAY, R. JACKSON	R	80 SITEC1
038460	RAY A. TULL	R	90 #1
088018	WILLIAM O'DAY	R	90 CR 78
088019	WILLIAM O'DAY	R	90 CR 78
077821	CARLTON W. JONES JR.	R	110 CR 78
039989	RAY A. TULL	R	115 #3
010581	CARLTON W. JONES JR.	R	115 80 AC

064413	WILLIN FARMS	R 07400940	0 CR 549
064414	WILLIN FARMS	R	0 CR 549
063083	RALPH GRAVES	R	53 REPHW
056208	WILLIAM C. BRAMBLE	R	80 RT 20
056209	WILLIAM C. BRAMBLE	R	80 RT 20
064418	WILLIN FARMS	R	94 PIVOT4

AR100067

SNP212 AGENCY NAME

HYD LN W MOD GRIC HOLE DEPTH LOCAL ID

035287	WILLIN FARMS	R 07400940	95 #2
064906	IRVIN E HANDY	R	98 Relanc
064907	IRVIN E HANDY	R	98 Relanc
002246	RELIANCE FARMS	R	100 4
081693	DONALD G. JOHNSON & SON, INC.	R	108 CR 552
081573	DONALD G. JOHNSON & SON, INC.	R	108 CR 552
010447	RELIANCE FARMS	R	110 5
064415	WILLIN FARMS	R	110 CR 549

060400	CLIFFORD J MEREIDER	R 07501060	70 CR 30
010605	CLIFFORD J MEREIDER	R	80 CR 30
061126	CLIFFORD J MEREIDER	R	100 R18X30

58 records selected.

SQL> spool off

AR100068

AGENCY NAME HOLE_N HOLE_DEPTH LOCALID

060695 ALLEN'S HATCHERY, INC. A 07001000 0 CR 549
 060694 ALLEN'S HATCHERY, INC. A 365 CR 549

077807 WILLIAM J INLAY A 07200880 45 CR 78
 070163 ROBERT W MARINE A 60 CR 78
 065254 WILLIAM O'DAY A 97 78+80
 065253 WILLIAM O'DAY A 102 78+80

090664 ROBERT W. MARINE A 07400900 40 CR 549
 072048 KEITH E JACKSON A 45 CR 78
 069698 CARLTON W. JONES JR. A 65 CR 78
 065255 WILLIAM O'DAY A 100 78+80
 065256 WILLIAM O'DAY A 100 78+80

077686 CARLTON W. JONES JR. A 07400940 50 CR 549
 070612 RONALD WILLIAMSON A 40 R 20
 070613 RONALD WILLIAMSON A 60 CR 549
 078008 CHARLES GOOD A 60 CR 552
 079431 WILLIN FARMS A 90 CHICKN

087855 CHARLES WHITE A 07601040 70 CR 553-A

073188 DENNARD B A 07601060 75

065676 ALLEN'S HATCHERY, INC. A 07800840 97 Chickn

19 records selected.

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ARI00069

AGENCY	AGENCY NAME	MTD_LN	MOD_SER	MOLE_DEPTH	LOCALITY
066275	JOHN HAMMONS	D	07001000	45	CR 351
076065	MELVIN TRUITT	D		50	CR 551
079348	JAMES GREEN	D		60	
090138	LARRY L. JUNEK	D		90	CR 551
066332	ROBERT F MOORE	D	07200880	0	REPWEL
064755	JESSE MORRIS DODD	D		42	REPWEL
064417	ELIZABETH TRUITT	D		45	REPWEL
073805	RAYMOND COCK	D		45	CR 550
065862	HAROLD C COLEMAN	D		50	REPWEL
066272	ROBERT W MARINE	D		50	REPWEL
066741	CARLTON W. JONES JR.	D		60	CR 78
089444	CALLAWAY, FARNELL & MOORE	D		62	CR 550
071330	JAMES R TURNER	D		65	CR 78
061425	ARTHUR L WILKERSON	D		72	REPWEL
077317	EDWARD H PHILLIPS	D	07200980	45	CR 548
076610	JOHN J MORAN	D		50	CR 549
083674	DONALD CARMINE	D		60	CR 548
058464	ROBERTS BROS INC	D		63	LOT 3
079411	NORMAN BROWN	D		65	CR 548
079288	PHILLIP WILLIAMSON	D		70	CR 548
074265	ROY W EDWARDS	D		90	CR 47
088648	ART MARVEL	D		92	CR 553
067127	PHILIP MOORE	D	07400860	45	REPWEL
070333	ALICE ALLEN	D		45	CR 77
075858	ALBERT ODAY	D		45	CR 80
062410	JOHN HITCH	D		50	REPWEL
066726	THOMAS LOMAX	D		55	56736A
075495	THEODORE TURNER	D		60	CR 78
079025	ALBERT WHILLONBY	D		60	
077151	HAZEL WILSON	D		60	CR 78
062219	WARREN WILLIAMS	D	07400900	40	CR 549
090913	RALPH O'DAY	D		40	LOT 2/CR 549
089561	LYNN WRIGHT	D		50	CR 78
070832	JAMES R TURNER	D		60	RD 70
091431	JOAN K. O'DAY/CHARLES KARMS	D		79	CR 549
073641	RALPH J & MARGARET ODAY	D		90	CR 549
079153	STEVEN R WEST & COOPER THOMAS BUILD	D		60	
059221	EDWARD SHRIEVES	D	07400940	40	REPWEL
063065	NORA BANNING	D		40	CR 552
089441	RAYMOND E JOSEPH	D		40	CR 552
069608	JAMES P LOCKE	D		45	RD 548
072754	MARY HANDY	D		45	LOT 9
067003	WILLIAM C. DRAMBLE	D		50	20-541
062957	MARY HANDY	D		50	RT 20
061325	LAWRENCE DRUMMOND	D		50	CR 552
072237	ALLEN THOMAS	D		50	RT 30

AR100070

1	AGENCY NAME	MOB_010	MOB_010	MOB_010	MOB_010
067050	JOHN E. GRIFFITH	D	07400940	55	CR 20
066094	DONALD L. HANSEN JR	D		50	Langs
066647	MORA SHANNING	D		50	RD 552
077560	RANDALL HANDY INC - PAULINE HANDY	D		50	CR 552
079111	CHARLES GOOD	D		50	CR 552
077961	MARY E. COLLBURN	D		50	CR 549
067992	COLEMAN WHEATLY	D		53	CR 552
059360	OPAL ADKINS	D		65	REPMEL
077150	WILLIN FARMS	D		65	RT 20
062076	ROBERT ALLEN	D		70	CR 552
063800	WILLIN FARMS	D		75	REPMEL
063092	GRACE TULL	D		95	RT 20
066341	GRACE TULL	D		95	RT 20
072341	WILL SMITH	D		319	CR 552
064287	WAYNE M. MURPHY	D	07401020	40	CR557A
078307	JOHN GUNDY	D	07600780	30	CR 79
058597	D. HUGH FERTELL	D		65	REPMEL
067751	PAUL R. PORTER	D		65	REPMEL
070000	MARTIN COSSGROVE	D		300	CR 79
070000	DELAWARE STATE DEPT. OF HIGHWAYS	D		380	CR 79/MAIN, RIVR
068912	LEWIS L. WARD	D	07601040	0	CR 553
071172	JOHN W. O'BRIER	D		36	CR 554
069551	WILMER L. SMITH	D		42	RD 553
063252	JAMES P. LOCKE	D		50	CR553A
091447	VAUGHN RUSSELL	D		50	CR 553A
034713		D		50	CR 554
087149	LEWIS L. WARD	D		50	CR 553
062221	ROBERT L. WEBB	D		60	CR 554
062227	LESLIE E. JOHNSON	D		60	CR553A
090538	BETTY R. HENSON	D		105	CR 553A
061345	JOHN GOFF JR	D	07601060	50	CR 20
057651	THOMAS E. JENNETTE	D		57	CR557A
066369	COLTHER PASSWATERS	D		50	CR 554
077683	TON PASSWATERS	D		60	RT 18
064402	CHARLES C. CALLAWAY	D		60	
069133	CAROLYN SMITH	D		90	RT 30
051813	WALTER A. LLOYD	D	07800840	55	
051813	BARRY L. TUBBS	D		75	
051813	WALTER A. LLOYD	D		84	
070000	WAYNE GRANT	D		85	CR 79
070296	CHARLES E. MYERS	D		87	CR 538
070507	CAROLYN MURPHY	D		95	CR 538
078013	JAMES SMUTTER JR	D		100	

79 records selected.

AR100071

AGENCY NAME	HYD_LIN	MOD	BRID	CLS_DEPTH	LOCAL ID
00140 RONALD WILLIAMSON	A	07800920		52	CHICKN
00282 KENNY COLEBOURNE	A			75	CR 549
00554 KENNY COLEBOURNE	A			80	CR 549
04420 LARRY MORRIS	A	07800750		50	CR 557
86107 RANDALL HANBY	A	07801040		45	CR 557
81545 CLIFFORD J MESEIDER	A			50	SHED
07221 ALLEN'S HATCHERY, INC.	A			80	Atlant
87618 ALLEN'S HATCHERY/MILLIGAN FARMS	A			95	CR 50
07509 ALLEN'S HATCHERY, INC.	A			270	Chickn
071157 ALLEN'S HATCHERY, INC.	A			285	CR 557
082870 ALLEN'S HATCHERY/MILLIGAN FARMS	A	08000840		100	CR 78
080649 ALLEN'S HATCHERY, INC.	A	08001060		0	CR 554
074289 WAYNE CARTER	A			45	CHICKN
066629 WAYNE CALTER	A			50	Shop
090647 ALLEN'S HATCHERY, INC.	chg A			375	LLOYD
087562 RONALD MESSICK	A	08001080		40	RT 18
091069 LEROY ALLEN MESSICK	A			48	CR 560
060002 ROLAND J MASSEY	A	08200840		30	SEPMEL
091394 RICHARD SIMONS	A			32	LOT 12/CR 490
075096 JIM STURGIS	A			60	CR 490
079803 CHARLES R BELL	A			70	
086525 SCOTT DAVIDSON	A			80	CR 4904
092036 RICHARD KOCHER	A	08200880		60	RD 542
064334 LLOYD BEARD	A	08201000		35	CR 555
065420 ALLEN'S HATCHERY, INC.	A			71	Hillfa
065421 ALLEN'S HATCHERY, INC.	A			72	Hillfa
070258 ALLEN'S HATCHERY, INC.	A			300	CR553A

27 records selected.

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ARI00072

INPCTID	AGENCY_NAME	HYD_LIN #	MOD_GRID	HOLE_DEPTH	LOCALID
010461	RALPH O'DAY	C1	R 07300880	84	PDME 1
066020	WILLIAM O'DAY		R	90	CR 78
066021	WILLIAM O'DAY		R	90	CR 78
062450	LEGACY FARMS, INC		R 07800920	80	BITEA1
062450	LEGACY FARMS, INC		R	80	BITEA2
067573	JAMES O'DAY, R. JACKSON		R	120	54**80
071532	LESLIE E JOHNSON		R 07800980	95	CR 553
072248	LESLIE E JOHNSON		R	97	CR 553
039450	ALLEN'S HATCHERY, INC.		R 07801040	80	4
077269	DENNARD B		R	95	
047220	ALLEN'S HATCHERY, INC.		R	110	5
054575	CARLTON W. JONES JR.		R 08000960	85	20/553
054574	CARLTON W. JONES JR.		R	98	20/553
064182	WILLIAM PRICKS		R	100	CR 547
044383	WILLIAM PRICKS		R	100	CR 547
072129	WILLIAM RICKS		R	100	CR 556
039037	DONALD G. JOHNSON & SON, INC.		R	101	1
048330	WILLIAM RICKS		R	115	
085892	BILL RICKS		R	120	CR 547
010000	CURTIS W DORMAN		R 08001060	50	CR 30
010000	ALLEN FAMILY FARMS		R	110	RT 30
036137	DALE FIGGS		R 08201000	120	#1
046811	ALLEN'S HATCHERY, INC.		R	120	RT 357

27 records selected.

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AR100073

INSTRUC AGENCY NAME HYD LN # MOD GRID HOLE DEPTH LOCAL ID

062159	JOHN SPANN	D	07800880	38 REPMEL
068054	RICHARD & MICHAEL MAHETTA	D		42 CR 50
075090	JAMES O'DAY	D		50 CR 538
080004	HAZEL WILSON	D		57 RT 79
067008	MARTIN L. PASSWATERS	D		50 REPMEL
081200	RICHARD & MICHAEL MAHETTA	D		50 CR 50
063054	LEITH A & KAREN L. HOKINS	D		50 CR 50
081295	RICHARD & MICHAEL MAHETTA	D		50 CR 50
073444	GEORGE H & ELEANOR TILL	D		60 CR 50
059710	MICHAEL MAHETTA	D		61 CR 78
066504	CRAIG CONLEY	D		63 CR 78
067258	LEMCYNE SCHIZOEDER	D		65 RD 78
062995	JOHN SPANN	D		72 REPMEL
090019	KRISTOPHER R. SWAIN	D		75 RT 78

067753	DOUGLAS W & TRACEY LEE LUNDELAD	D	07800920	0 549+20
061491	SCOTT COLBORNE	D		45 REPMEL
067068	KENNY COLECCURE	D		50 REPMEL
069129	THOMAS R GOOD JR	D		50 549+20

064784	GLENN L. HASTINGS	D	07800980	45 REPMEL
075280	HOWARD E BAKER	D		45 CR 552
078507	SHIRLEY B RYERIC	D		50
084389	WILLIAM F HAINES	D		50 RT 20
081211	JAMES H WILKERSON	D		60
088924	EVERETT A HARROLD	D		60 CR 553
079206	MICHAEL J DICKERSON	D		60 RT 20
07365	RUDDOLPH E WILSON	D		60 CR 552
075292	RUDDOLPH E WILSON	D		60 CR 552
060501	WILLIAM H ASH JR	D		60 CR 553

066682	WAYNE A TURNER	D	07801040	0 CR 554
057092	ROBERTA HENSLEY	D		42
067330	EARL JACKSON SR	D		45 REPMEL
070827	PAUL L. BRADHAM	D		45 CR 557
061939	WALTER W OSBORNE	D		48 CR 559
057096	CHARLES HENSLEY	D		50
061502	NANCY HARROLD	D		52 CR 557
061657	LARRY E. WILLEY	D		55 CR 557
070358	EUGENE FRANCESCHI	D		55 CR 559
066493	STEVE COOPER	D		55 REPMEL
062910	MELVIN L. HINDT	D		60 CR 557
066399	THOMAS A HANLEY	D		60 CR 557
035147	RANDALL HANLEY	D		60
061234	SAMUEL H STANT	D		70 CR 30
081253	RAYMOND FOZER	D		76 CR 557
058743	NEIL ESTERSON	D		90
065862	PAUL BRADHAM	D		340 CR 557
099220	C.J. MERRIDGER	D		390 CR 554

071209	JOHN A BULLCOCK	D	08000840	65 CR 538
058695	DAVID A TULL	D		66
067739	J WILLIAM ROYAL	D		67 CR 536

AR100074

INRESID AGENCY NAME

HYD_N W MOD_GRID ACLE_DEPTH LOCAL ID

072250 ROXANNE ROYAL D 08000840 55 CR 536

072251 ELMER CRENSHAW D 08000940 78 REFWEL

072252 GARY P LEACH D 45 CR 552

072253 SALVATORE CARIMANTE D 45 CR 556

072254 ALEREY T DILLARD D 50 REFWEL

072255 ROBERTA FRIEDEL D 50

072256 GARY P LEACH D 50 CR 553

072257 PHYLLIS PARKER D 60 GRIFFE

072258 JOSEPH PARKER SR D 60 RT 20

072259 HERBERT FRIEDEL SR D 60 RT 547

072260 GRIFFIN E COMLEY D 62 CR 556

072261 DONALD G. JOHNSON & SON, INC. D 62 CR 556

072262 DONALD M KING D 78 CR 553

072263 JAMES V. MCSTER D 72

072264 BILL RICKS D 120 CR 547

069229 BRUCE BURTELLE D 08001060 45 30+554

069230 KIRK MESSICK D 45 RD 554

069231 BENJAMIN BURRIS D 50 RT 30

072254 DIANE MITCHELL D 70 CR 30

059263 ALLEN'S HATCHERY, INC. D 110 REFWEL

068003 RONALD L. JOHNSON D 08001080 0 554+30

068745 HOWARD ABBOTT D 40 REFWEL

068746 MARVELL WALKER D 40 CR 30

068747 LEROY PITTMAN D 40 REFWEL

068748 LEROY PITTMAN D 42 REFWEL

074137 BETTY PITTMAN D 45 CR 18

062255 SHARON ROACH D 50 RD 30

062256 TYRONE WEST D 50 CR 70

078925 DAVID E BEARD DAVID S BEARD D 50

063965 JOHN W CAMP D 63 18+30

057591 OWEN C. PURNELL JR. D 65 REFWEL

058249 LEROY DENNIS D 30 CR 18

068613 ELIZABETH MATONE D 62 RT 30

061848 DANIEL BECKER D 08200840 75 REFWEL

069045 RHEA M. LONGSTREET D 40 LOT 29

058687 DAVID FLIHARTY D 45 REFWEL

063959 RALPH LORQ D 50 REFWEL

070225 FRANK S HORN JR D 50 CR 536

076846 THEODORE R HICKEY D 55 CR 536

069823 LEE LITTLETON D 55 LOT 8

069958 DELMAR FEED MILLS D 58 LOT 5/CR 536

060396 JOHN L CONNER D 60 REFWEL

071516 RICHARD REDHILL D 50 CR 536

063336 WOODFIN E SHULER D 60 CR 536

067676 ALTON S. LANKFORD D 60 LOT 22/45 536

068207 JUNIOR E ARMIGER D 60 CR 490 RIVER DR

068208 CLYDE WALKER D 63 REFWEL

068209 LARRY CROWDER D 65

090412 ROBERT CLARKE D 66 CR 490

AR100075

AGENCY NAME	HYD LN	W	MOD	GR10	MOLE	DEPTH	LOCAL10
7751 MARION WILEY	D	08200840				70	
3423 MELDON HARPER	D					70 LOT 14	
3119 FREDDIE B THOMAS JR	D					75 CR 576	
7568 LEROY M. ALLEN	D					75 CR 576	
3753 ROBERT M. & MARCIA LISLE	D					80 CR 576	
4011 RICHARD SIMONS	D					80 LOT 12 CR 491A	
3119 EDWARD L WARREN SR	D					90 CR 576	
4756 THEO HICKEY	D					92 CR 576	
31620 DOLG WILLIAMS	D					100 LOT107	

41039 DANIEL C DEMAREST	D	08200880				0 CR 541	
42082 WILLIAM T DAVIS	D					0 CR 80	
70490 REGINALD GILLESPIE	D					35 CR 541	
4386 RONALD MITCHELL	D					40 CR 541	
40331 CRAIG TRUITT	D					42 CR 541	
41035 RONALD A GILLESPIE	D					45 CR 536	
57443 WILLIAM CARSON	D					48	
57827 CLIFFORD HOPKINS	D					48	
58999 CARLTON MASSEY	D					50 REPWEL	
46758 ALFRED T BOWDEN JR	D					50 CR 536	
35656 MELVIN MILLIGAN	D					50 CR 541	
47960 VIOLA V WILLIAMS	D					50 541+80	
43758 DONALD DIEHL	D					55 CR 541	
60173 GLORIA J BOLLEN	D					60 RD 541	
90178 BARBARA M MCCRACKEN	D					60 CR 536	
84811 FRANK L WILSON	D					60 CR 536	
78012 JOAN RICHARDS	D					60 CR 541	
61139 CLIFFORD M HOWARTH	D					60 CR 541	
466364 RONALD T MOORE	D					60 CR 541	
466961 DAVID L HASTINGS	D					65 80+541	
481336 CONNIE LUNAGUIST	D					65 CR 542	
85359 RICHARD BAKER	D					70 CR 536	
490560 GEORGE H. TULL	D					70 RT 80	
479117 WILLIAM H JACKSON	D					75 CR 541	

467619 TIMOTHY J COOPER	D	08201000				0 CR 557	
467701 JOANNE DAVIS	D					42 REPWEL	
469582 DONETTE ENGLISH	D					45 RD 557	
467107 JAMES P LOCKE	D					50 CR553A	
479470 KEVIN & KIM SCHIEFERSTEIN	D					50	
463354 HARVEY S DENNY	D					60 CR553A	
475577 SHIRLEY B BOWDEN	D					60 CR 547	
479305 JOHN FISHER	D					60	
472339 LARRY MORRIS	D					60 RT 553	
467155 CLAYTON L & RUTH TOWNSEND	D					88 CR 547	

141 records selected.

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AR100076

WRETO AGENCY NAME

HYD LN W MOD BRID -OLE DEPTH LOCAL ID

17558 DEVELOPMENT CO. OF AMERICA
15226 Penco SERVICE CENTER

P 08000990

175 CR 550
290 RT 00

OP COUNTRY

P 08000940

30 CR 576

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AR100077

INVESTID	AGENCY_NAME	TYPE	UN N	MOO_SPID	MOLE_DEPTH	LOC.10
072713	J A MOORE AND SON	P	08400900		62 FT 20	
072592	CITY OF SEAFORD	P	08600920		108 TAW	
074465	CITY OF SEAFORD	P			115	
040024	TOWN OF BLADES	P	08500840		92 PWW1	
040025	TOWN OF BLADES	P			96 PWW2	
040023	TOWN OF BLADES	P			100 TWW1	
063099	SEAFORD C.M.A. CHURCH	P	08800980		65 Church	
090653	ALLENS HATCHERY/MILLIGAN FARMS	P	09001060		56 CR 544	
083930	ALLENS HATCHERY/MILLIGAN FARMS	P			65 CR 544/CR 561	
079307	DELAWARE ARMY NATIONAL GUARD	P			73 CR 546	

10 records selected.

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AR100078

APR 11	AGENCY NAME	MO, IN W MO, 3612	CLF, 3612	LOCAL 12
177544	ELEN M MOORE	D	08400900	48 LOT 7
188188	FANNY IMLAY	D		50 RD 80
178860	ELEN M MOORE	D		50 LOT 7
177111	ROSEY A PARKER JR	D		50 2F 576
177111	ROBERT MCCLAVEY	C		50 CR 542
177111	ROBERT CANNON	C		50 CR 542
177120	HOWARD JOSEPH	D		50 CR 50
177752	STEVEN L DUFFY	D		50 LOT 10
188295	DONALD MITCHELL	D		50 CR 542
177314	DELMAR FEED MILLS	D		70 CR 536
188211	MYRTLE L. BECKTEL	D		73 REPMEL
188287	JAMES MICHAEL KEARNEY	D		80 LOT 7
188702	HERB LITCHFORD JR	D		93 REPMEL
177244	JOHN NIXON	D	08400980	40 CR 555
182125	THOMAS R YOUNG	D		50 CR 547
084068	NORMAN GRIFFITH	D	08800900	50 LOT 6/CR 536
188188	DELMAR FEED MILLS	D		60 LOT 7/CR 536
177401	KENNETH W FUSKEY	D		60 CR 536
177401	JOE A HARROLD	D		68 CR 556
181431	EARLENE HENDRICKSON	D		75 REPMEL
174906	JEFFERY TODD	D		35 CR 556
188712	ROGER BREEDING	D		70
086912	KENNETH DUKES	D	08800960	50 556+20
177111	CECIL TULL	D		50 CR 547
177111	JEFF ELLIOTT	D		60 REPMEL
177169	HOWARD STULL	D		60 CR 547
187459	H A STEELE	D		50 RT 50
177270	WILLIAM RICKS	D		50 RT 50
181452	SIDNEY AYLES	D		75 CR 50
188647	KENNETH MERRYMAN	D		110 LOT 151
170624	JERRY & SANDY HARRIS	D		110 LOT 21/CR 556
080186	ROBERT BAER	D	08601060	40 CR 560
085722	WAYNE DUKES	D		50 CR 554
078493	LILLIE M ELLIOTT	D		60 LOT 7
187624	FLOYD THOMPSON	D	08601080	75 REPMEL
180751	GEORGE GUABLES	D		40 CR 554
078889	B FRANK ABEDTT	D		45 RT 18
186485	RAY STACKWICK	D		45 RD 18
051037	JACK ESMEN	D		46
181872	DENNARD R HILL	D		50 CR 554
171479	LEROY ALLEN MESSICK	D		50 CR 560
187421	JAMES G. STEVENSON	D		55 CR 554
086000	FREDERICK L NEIDLINGER	D		56 REPMEL
189622	BRENT A MARINE	D		58 LOT 8
177111	RONALD L MESSICK	D		60
177111	BRUCE GRAVES	D		60 LOT 7/CR 554
091525	SCOTT SHEA	D		60 RD 554

AR100079

PROJECT	AGENCY NAME	PROJECT NO	LOCAL ID
197125	REALAMERICA DELAWARE INC.	D 06601080	61 CR 554
197117	TOWNSEND ALSTIN	D	61 REFWEL
197127	ROBERT SPER	D	61 CR 560
191074	MICHAEL L & MELBOY WINGLER	D	71 RT 13
198723	ELEN CASE	D	71 CR 554
177617	WILLIAM ZOULE	D 08900540	35 LOT 72
198771	DONALD EISENBREY	D	28 REFWEL
196887	RAY L VALTERIS	D	30 LOT 10
197774	LEON A. GOSLEE, JR.	D	30 CR 490-A
175062	RICHARD H KNOTTS	D	30 CR 490
197384	ROBERT FIGGS	D	38
191241	DAVID SPENCER	D	35 LOT 3
198255	DONALD EISENBREY	D	40
197913	JOHN M. SANDY	D	40 CR 490A
179467	HELEN M MOORE	D	40
191380	KENNETH MARTIN	D	44 LOT 5
193921	CHARLES D BALL	D	45 CR490A
196176	GEORGE L RUFF	D	45 REFWEL
199181	CARL POBST	D	45 CR 487
197567	ROBERT FIGGS	D	47
194248	JOHN H BERTELS	D	50 LOT 16
196002	JAMES E STURGIS	D	50 CR490A
198114	STEVE GILES	D	50 78-490
177458	PAUL & DONNA BENNINGTON	D	50 LOT 15
196497	NORRIS M WINDSOR	D	50 REFWEL
190781	ROBERT FIGGS	D	50 CR 490A
178979	HOWARD ADKINS	D	50
173495	CHARLES & BARBARA FLEETWOOD	D	55 CR490A
177822	NICHOLAS NICOLETAS	D	55 CR490A
173608	LEON W CROSS	D	55 CR490A
191933	DR. RICK SIMONS	D	55 RD 490A
197916	CLYDE WALKER	D	58 REFWEL
198689	JERRY MURPHY	D	60 12ACRE
192063	BRUCE F JOHNSTON	D	60 LOT 67
195092	WILLIAM E LLOYD JR	D	60 REFWEL
192101	CHARLES McELROY II	D	60 KingCt
191997	DANIEL SCHREFFLER	D	60 RT 13
196447	ROBERT BOVE	D	60 REFWEL
195949	MAYA AGARWAL	D	60 REFWEL
190575	MICHAEL S CHERRIX	D	60 RD490A
190109	WILLIAM PARMELEE	D	60 REFWEL
199708	GARY B PASSWATERS	D	60 RD490A
199265	LINDA MOEFELICH	D	62 LOT 33
197923	LARRY K FINK	D	65 CR 490
198624	CHESTER G HARRISON	D	65 RD 490
194454	JOHN C PAINTER	D	70 Lt 4+2
192644	FRED HERTRICH	D	70 RD 490, LT13&14
175146	ERICK MESSICK	D	70
198654	DELMARVA PROPERTIES INC	D	74 CR490A
193114	DELMARVA BUILDERS	D	75 LOT 64
194962	JOHN C PAINTER	D	80 Lt 4+2
191464	JOHN BERTELS	D	80 CR 490-A
191907	DIANE & MATTHEW SPICER	D	80 RD 490
172340	ED TRUITT	D	70 RIVER
192337	JAMES PRICE	D	90 LT 67, RD 490-A

AR100080

INDEXED	AGENCY NAME	HYD_LIN	MOO	SAIS	MOLE	DEPTH	LOCALITY
077469	JAMES C SCHINE	D	08800840			95	LOT 10
078273	JAMES HUFFMAN	D				77	CR 487
078278	JOHN COFFORDAN	D				78	REFUEL
078279	ELISS MURPHY	D				100	CR 486
078280	PATRICK L MELINDA BRETT	D				108	CR 487
082500	KEN SWARTHOUT	D	08800980			0	REFUEL
084519	RICHARD & CAROLYN MASSEY	D				0	LOT 25
074652	FRANK PASSWATERS	D				40	
069171	DAVID E McWATT	D				45	30+554
070829	LARRY HARRISON	D				45	65-66
061430	RON RUARK	D				50	REFUEL
062506	CHARLES T O'ERIEEN JR	D				50	LOT 44
066250	WILLIAM J BIDDLE	D				50	L45X46
079106	MIKE RYAN	D				50	CR 30
071540	RUTH P SMITH	D				50	CR 30
058797	KEN SWARTHOUT	D				54	REFUEL
069863	CURTIS E HARPER JR	D				55	LOT 29
070228	KEVIN MASON	D				55	CR 543
080910	DWAYNE TAYLER	D				55	LOT 31
069289	CALVIN WHEATLEY	D				58	DOGWOOD
056887	STANLEY MASON	D				60	LOT 52
060450	HELEN P MOYNIHAN	D				60	LOT 16
089671	KENNETH MERRIMAN	D				60	LOT 45
088527	LORETTA KOSKI	D				60	CR 543
082503	ALLEN & JENNY BROWN	D				60	LOT 2/CR 30
084712	J WALTER MCCABE	D				60	DOGWOOD
084713	H A STEELS	D				60	RT 30
079352	JAMES J & CRYSTAL G ABSEHER	D				60	LOT 34
073645	RICHARD SELLERS	D				60	3/4 AC
073645	E CARLYLE WINDLY	D				60	100X99
070562	ALAN LUEDTKE	D				60	CR 30
062578	CURTIS HARPER	D				60	RT 20
063137	CHARLES L HASTINGS	D				60	LOT 2
060467	TED PETERSON	D				60	REFUEL
057473	WAYNE SIMPLER	D				60	LOT 27
057068	BILL BROWN	D				60	REFUEL
061498	ROBERT W MARINE	D				60	REFUEL
062922	CHARLES H STUBBS	D				62	LOT 24
072097	WALTER DICKENS	D				62	LOT 37
058212	GARY W. CROPPER	D				63	LOT 20
070983	JAMES A YORI	D				65	RT 20
073061	JAMES M MYERS JR	D				65	
071514	THOMAS J COOPER	D				65	LOT 66
073950	DALE STRONIMAJER	D				70	LOT 43
078601	DELMARVA BUILDERS	D				70	LOT 10
060902	WALTER MESSICK	D				75	RT 30
071872	FIRST NATIONAL BANK OF MD.	D				74	CR 30
059402	J T TODD JR	D				78	REFUEL
075002	JOSE BONTANG	D				78	
061518	DAVID KIDDER	D				80	RT 30
067606	DR. FRED TORREY	D				80	RT 30
063423	DORIAN LTD	D				80	ATLANTACIR.LT16
063423	JOHN HERRMANN	D				90	LOT 12
063423	JOSEPH MATRICCINO	D				90	CR 30
055728	VILAS G BANKER	D				80	25X26

AR100081

INREC10 AGENCY NAME NYD UN W WCD BRID HOLE DEPTH LOCAL ID

187609	ROBERT W ALLEN	D	08800960	88 L47548
187609	RON REYN	21g	D	90 REPMEL
187609	RENOI CHAMFAKESIA	D	D	90 CR 17
187609	JAMES E BARN	D	D	99 CR 547
187609	T E BUN	D	D	110 L17909
187609	WAYNE SPANMER	D	D	100 LOT 165
187609	J SCOTT JAMES C/O MR CAREY SCOTT	D	D	107 LOT 35
187609	HOWARD KENDALL	D	D	125 ROBIN
181016	DAVID KIDDER	D	D	120 CR 30'

187717	RONALD C. JESTER	D	08801020	40 CR 543
184429	ROBERT ROOD	D	D	45 CR 544
184515	GERALD BEARS	D	D	48 CR 544
180950	WAYNE HILLIGAN	D	D	50 RT 30
185817	ELIZABETH HIGGINS	D	D	50 CR 543
187609	WILLIAM MULDER	D	D	60 RD 30
187428	RONALD CRANFIELD	D	D	61 CR 543
186113	L RICHARD FARRIS JR	D	D	75 REPMEL
188586	ARCY PASSWATERS	D	D	90 DEL 20
181236	FREDDIE B THOMAS JR	D	D	95 REPMEL

188619	FLOYD LANKFORD	D	08801120	40 REPMEL
176371	ANTHONY CRISCO	D	D	50 CR 17
181220	MRS MARIE ALLEN PASSWATERS	D	D	50 CR 561
181170	ALAN L & ANNA S JOSEPH	D	D	55 CR 13
182100	CLYDE GUN	D	D	60 REPMEL
180606	EDWARD CHARNICK	D	D	60 RT 17
172861	ANTHONY CRISCO	D	D	60 RT 17
170973	FREDERICK L WALL	D	D	65 CR 18
172594	BRENN BYLER	D	D	70 RT 18
182900	MARY HESSICK	D	D	70 RT 17

189264	CHARLES C. ALLEN III	D	09001060	38 REPMEL
182766	DAVID CALLAWAY	D	D	50 RT 18
184743	SUE W MEGEE	D	D	50 CR 561
184363	JOHN W MILLER JR	D	D	50 RT 18
184446	DAVID R SMITH	D	D	60 REPMEL
181969	LAURA TINGLE	D	D	60 CR554
186257	MARYLOU BIRD	D	D	60 REPMEL
184543	EDWARD BURTON	D	D	65 RT 18
183050	RON BURKLEW	D	D	80 CR 561
186257	ALLEN'S HATCHERY, INC.	D	D	90 CR 561
186423	GRACE L ASH	D	D	100 CR 544
186117	JOE BARDNE	D	D	110 RT 18
181749	ALLENS HATCHERY/TRIVITS FARM	D	D	290 CR 560

139 records selected.

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ARI00082

INSTR	AGENCY NAME	HYD_LIN #	MOD_GRID	FILE_DEPTH	LOCAL ID
072064	DALE FIGGS	R	08400900	108	NA
072442	DALE FIGGS	R		117	#2
072577	WILLIAM RICKS	R	08601000	103	CR 560
081421	ERICK FOSTER	R	08601080	40	GARDEN
079068	JEROME BATLER	R		94	CR 554
003418	ROBERT J. WHEATLEY	R	06800840	59	#2KNFM
065100	WILLIAM E. LLOYD JR	R		80	CR 490
087337	EDWARD & ALEIN CRANSTON	R		100	LOT 24/RT 13A
087974	WALTER MESSICK	R	06800980	70	RT 20
047925	RICHARD A. MILLER	R		72	RD 543
047147	RICHARD W. MILLER	R		73	
046579	RAY S. BEARS & SONS, INC	R	08801020	100	ALT 13
047208	ALLEN'S HATCHERY, INC.	R		103	4
033820	DALE FIGGS	R		118	#3
053719	ALLEN'S HATCHERY, INC.	R	08801120	98	RT 18
063022	CHARLES C. ALLEN III	R	09001060	75	RD 546
		R		95	CR 546

13 records selected.

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AR100083

CARECID	AGENCY NAME	110_011 4 MOD_0612	0012_0012 000112
062713	KENNETH DUKES	A 08400900	50 Chickn
069210	JOHN D & CATHERINE FISHER	A 08400950	50 CR 555
091905	FRED ENGLISH	A 08600950	70 RT 30
066505	BEN FULL	A	90 RT 20
072004	EUGENE FRANCESCHI	A 08601060	50 CR 554
072053	EUGENE FRANCESCHI	A	50 CR 554
086671	WAYNE DUKES	A	50 CR 554
051420	ERICK FOSTER	A 08601080	40 GARDEN
086472	BRUCE GRAVES	A	45 CR 554
066521	RONALD L MESSICK	A	50 CR 560
068559	RONALD L MESSICK	A	50 Chickn
075798	WILMER LAHMAN	A	78 RT 18
077687	GARY PHILLIPS	A 08800840	30 CHICKNS
089251	GEORGE E LITTLETON	A	35 CR 78
089252	GEORGE E LITTLETON	A	35 CR 78
069701	FRANK WILLS	A	40 CR 78
083607	GARY PHILLIPS	A	40 CHICKN
069702	FRANK WILLS	A	40 CR 78
088256	GEORGE E LITTLETON	A	40 CR 78
072000	ROY HORN	A	50 CHICKN
065614	RICHARD N WATSON	A	60 Yard
079273	BOB LAPRAD	A	60 CR490A
092058	RON HULLIGER	A	55 HILL N DALE
092145	FRED HERTRICH	A	70 RD 490A, LTS1314
086273	BRET NICHOLS	A	80 CR 78
090950	FRED HERTRICH	A	83 CR 490A
090961	FRED HERTRICH	A	83 CR 490A
065434	H & H STABLES	A	100 Stable
080801	JOHN THEOPHILES	A	100 CR 490
070739	VALGHN BAKER	A 08800980	60 CR 30
071343	JAY MILLIGAN	A	60 CR 30
061155	LEONE SLACUM	A	71 Garden
070159	LARRY W RUST	A	80 LOT 90
061389	GENE BLEILE	A 08801020	50 Yard
068838	WAYNE CARTER	A	50 Chickn
027918	ALLENS HATCHERY/MILLIGAN FARMS	A	290 CR 544
080778	ALICE MAY MASON	A 08901120	60 CR 561
080779	ALICE MAY MASON	A	60 CR 561
053718	ALLEN'S HATCHERY, INC.	A 09001060	75 TEST

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INREC'D AGENCY NAME

HYD. IN A MOD. GRID HOLE. DEPTH LOCAL ID

091749 ALLEN'S HATCHERY/TRIVITE FARM

A 090010-0

390 CR 561

090158 ALLEN FAMILY FARMS

A

395 CR 561

080850 ALLEN'S HATCHERY, INC.

A

395 CR 544

4 13 selected.

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AR100085

INVEST	AGENCY NAME	NYO_LN	MOD	DATE	CLS_DEPTH	LOCALITY
67753	GEORGE E LITTLETON	A	09200800		40	CHICKN
67759	D BRENT NICHOLS	A			40	CHICKN
74142	DONALD MORGAN	A			45	CR 78
67751	STEVEN D HENRY	A			50	CHICKN
68248	RICHARD DAVIS	A			50	RT 72
68716	ALFRED SADDLE CLUB	A			54	
690845	FRED MARTIN O'NEAL	A			55	CR 485
671510	STEVE GLENN	A			60	CR 485
672223	FRED MARTIN O'NEAL	A			60	CR 487
679394	CHUCK ERNESTO	A	09200880		0	CR 490
679267	JAMES C FARMER	A			35	CHICKN
655091	JOSEPH E DAMEN	A			40	CR 490
67579	STEVE BROCK	A			40	SEVENTH STREET
690355	GARY PASSKATERS	A			45	CR 490
691523	WAYNE SIMPLER	A			45	CR 490
682829	STEVE GLENN	A			50	CHICKN
671705	RICHARD JERNIGAN	A			50	CR 490
686185	HERB FREEMAN	A			50	LOT 29
686996	GRACE G MILLER	A			50	CR 490
686608	JAMES C FARMER	A			50	Barn
682933	STEVE GLENN	A			50	CHICKN
674882	JAMES E AGEE	A			65	LAWN
692512		A			68	GRACE CIR, LOT 14
690814	CHARLES E RILEY JR	A			70	CR 490
675243	LLOYD DABELL	A			80	CR 490
678682	CHARLES E MOORE	A	09200900		50	
687037	DAVID B WEBB JR	A			50	RT 13
662541	TERRY WILSON	A	09200920		50	Lawn
667747	KENNETH J ARNEY	A	09201080		50	CHICKN
673266	KENNETH J ARNEY	A			50	CHICKN
679258	RALPH GIVENS	A	09400840		40	CHICKN
672865	JAMES C FARMER	A			65	CHICKN
676956	MARTIN OCKLES	A			65	ALT 13
680998	EDWARD STOLZENBACH	A	09400980		52	YARD
671961	BILL RITTENHOUSE	A			68	SHORE
691186	FE ROSAS	A	09401040		40	OFF CR 46
691074	COMMANDER BANNON	A			50	CR 46
677539	MIKE GRIFFITH	A			60	HEARNS
674470	JAY FIELDS	A			63	RT 18

39 records selected.

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ARI00086

INSTR	AGENCY NAME	HYD_LIN #	MOD, IRIS	WOLE_DEPTH	LOCAL ID
071511	STEVE GLENN	R	09200500	50	CR 485
072519	JAMES F. MILLS	R		70	CR 487
069021	STEVEN D HENRY	R		50	79-492
072519	JAMES F. MILLS	R		97	CR 487
010000	FRED MARTIN O'NEAL	R		48	#3
010000	FRED MARTIN O'NEAL	R		100	#5
089752	FRED O'NEAL & SONS	R		100	CR 75
010568	FRED MARTIN O'NEAL	R		102	#4
035172	FRED MARTIN O'NEAL	R		105	#1
047256	LAKESIDE FARMS TILLER JOHN HASTINGS	R		135	RT 493
010545	RALPH GIVENS	R	09200680	109	#1
064710	CHARLES E MOORE	R	09200900	50	Lawn
064570	DR CHAS. F	R		50	#1
046843	FRANK WORKMAN	R		100	RT 13A
066831	W L GIFFLE	R	09200920	50	Chicken
046577	RAY S. MEARS & SONS, INC	R	09200960	120	ALT 13
058659	DONALD EISENBREY	R	09400640	60	CR 487
058659	EDGAR BROOKS SNYDER	PLEIST R	09400980	93	
058659	EDGAR BROOKS SNYDER	R		99	
058144	RAY S. MEARS & SONS, INC	R		109	ALT 13
071473	WILLIAM RITTERHOUSE	R	09401040	50	SHORE
039257	RAY S. MEARS & SONS, INC	R		77	1
063371	ALLEN FAMILY FARMS	R		97	CR 516

27 records selected.

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ARI00087

REC'D	AGENCY NAME	REC'D IN W	REC'D DATE	FILE SECT	LOCAL ID
16113	ROBERT MISSELETT	D	05200800	0	CR 487
16124	FRANK M WILLS III	D		0	78-487
16126	GEORGE JOSEPH	D		25	CR 485
16128	JERRY MURPHY	D		70	CR 487
16124	JADE RUN SOD FARM	D		40	LOT 4, CR 487
16125	JADE RUN SOD FARM	D		40	LOT 5, CR 487
16127	DIANA T WATKINS	D		42	CR 482
16130	JOHN F MARETTA	D		42	VT 487
16113	CRAIG P MOORE	D		50	CR 487
16095	JADE RUN SOD FARM	D		50	LOT 2/CR 482
16119	RICHARD DAVIS	D		55	RT 78
16149	RUTH E JOYCE	D		60	CR 483
16153	HELEN MARINE	D		60	CR 483
16155	JADE RUN SOD FARM	D		60	LOT 6/CR 482
160286	DEAN MOORE	D		60	CR 487
161056	GERALDINE L. KANER	D		60	MAINST
16199	GEORGE JOSEPH	D		65	CR 485
165479	J BRANDON STURGIS	D		65	CR 487
171329	FRED P DUKES & GLORIA FOSKEY	D		65	CR 487
177188	FRED DUKES	D		70	CR 487
170225	VELMA COLLISON	D		80	CR 485
187710	JADE RUN SOD FARM	D		90	CR 485
191397	ALLEN ROBERT JR	D		95	RD 78
190977	RAY & GAIL MULLER	D		110	CR 78
191274	RAY & GAIL MULLER	D		150	CR 78
151227	STANLEY E BANKS	D	05200850	0	
157761	RUSSELL A WELLS	D		0	LOT 55
166827	CARROLL D MILLER	D		0	LOT 42
170224	JUNIOR ARMIGER	D		30	LOT 29
170003	JEFF MALONE	D		35	CR 490
175089	GRACE B MILLER	D		35	LOT 30
175095	JUNIOR ARMIGER	D		35	LOT 22
166325	RICHARD E HARDESTY	D		36	LOT 9
167168	RUSSELL BRITTINGHAM	D		36	REPUEL
161277	BRUCE RUARK	D		37	REPUEL
162473	HARLEY WILLEN	D		37	REPUEL
166824	KENNETH SEYMOUR	D		40	LOT 27
165594	JOHN C RICHARDI	D		40	CR 490
169268	WAYNE SIMPLER	D		40	CR 490
167742	GARY CALLAWAY	D		40	LOT 34
162188	CAROL OTT	D		40	LOT 49
179427	JAMES F BIRD	D		40	LOT 25
165570	WELDON HARPER	D		42	
167459	CHARLES E RILEY JR	D		42	REPUEL
173324	DONALD D WRIGHT	D		42	
161969	ROBERT E GLIMS	D		42	REPUEL
161526	H & H STABLES	D		44	
164066	BURDETTE O JOHNSON	D		50	CR 490
166957	MARK A. NIELSON	D		50	CR 490/LOT 62
179132	ARMIGER HOMES	D		50	LOT 114
173072	THEODORE MITCHELL	D		50	CR 490
176262	EDWIN T. KING	D		55	CR 488
191894	ROBERT F. HURLEY	D		55	HILL N DALE L77
162788	ANGELA M SHORT	D		58	CR 490
177864	JED E ARMIGER	D		58	CR490A

ARI00088

045210 AGENCY NAME

110_N N MOD_GRID -CLE_DEPTH LOCALIC

056772	GEORGE F WEST	0	12000880	60 REPWEL
063729	PELIX JAMES	0		60 REPWEL
067076	CLIFFORD THOMAS	0		60 LOT 56
077057	JUNIOR E ARMISER	0		60 LOT 17 CR 490
078671	BRUCE A JOHNSON	0		60 LOT 67
079076	JEFFERY ELACUM	0		60 CR 490 LOT 61
081704	DAVID BUCHERT	0		60 LOT 74
079076	MICHAEL C JOSEPH	0		60 LOT 1
078671	JAMES R MARTIN	0		60 CR 490A
072862	CHARLES & BARBARA FLEETWOOD	0		60 CR 490A
072494	JAMES P RUFF	0		60 LOT 23
070421	M ALLEN TICE	0		60 CR 467
068770	BILL WEBB	0		60 RD 490
067722	ALLEN W DUNN	0		60 LOT 48
061725	CURTIS DAVIDSON	0		60 REPWEL
061626	SEERE SULLENBURGER	0		60 REPWEL
060475	ALTON L CALLAWAY	0		60 REPWEL
059998	CLAUDE MASSEY	0		60 CR 490
058125	CLARENCE MILLIGAN	0		67
062924	WILSON FIGGS	0		63 LOT 1
062924	VINCENT A FINOCCHIO	0		63 LOT 2
066925	ROBERT & MARILYN BONDURANT	0		65 LOT 70
075867	JIMMY PARSONS	0		65
075867	JAMES E AGEE	0		65 LOT 38
067720	JEFFREY A LEATH	0		66 CR 490
075286	RUSSELL A WELLS	0		70 LOT 55
091831	JEFFERY ELACUM	0		70 CR 490/LOT 51
099896	JUNIOR E ARMISER	0		71 LOT 36/CR 490
077057	JAMES C FARMER	0		78 CR 487
077057	WAYNE SIMPLER	0		80 REPWEL
077057	W. RAY PETTIE	0		80 RT 13A
086782	BILLY R DAVIS	0		80 CR 487
074912	THEODORE MITCHELL	0		80 CR 490
073037	DAVE STERRETT	0		85 CR 430
082068	JUNIOR E ARMISER	0		95 LOT 12/CR 490
091046	WILLIAM FARMALEE & SARAH GILCHRIST	0		100 OFF RT 490
070125	HARVEY SIMPSON	0		101 CR 490
091046	WILLIAM FARMALEE & SARAH GILCHRIST	0		105 OFF RT 490
090059	KENNETH GARRETT	0		110 LOT 72
072876	EDWARD LAVELLE	0		360 CR 490

050574	RICHARD LLOYD	0	09200900	40
058208	RAY HAMMOND	0		40 RT 13A
083661	JAMES E WILLIAMS	0		40 LOT 2
063729	MIKE TULLY	0		43 REPWEL
064747	J WILLIAM ROYAL	0		43 REPWEL
062654	HAROLD S McTEER	0		55 RT 20
063331	HARRY JAMES	0		55 REPWEL
061029	ALICE WILLEY	0		60 REPWEL
061797	MARIE BENNETT	0		60 RT 20
077313	DAVID B WEBB JR	0		60 LOT 2
074426	WILLIAM G NEAL JR	0		60 US13A
062925	VINCENT A FINOCCHIO	0		63 LOT 18
	BONNIE A MILLS	0		70 REPWEL
	EDWARD L WINDSOR	0		70 CR 488
085024	DAVID S WEBB JR	0		70 CR 20

AR100089

CREDIT AGENCY NAME	HYD_LN W MOD_SERIS	COLL_SEFT	LOCALIS
075770 BELVA B HURLEY	D 09200900		75 RIVER
075664 CHARLIE HEARN	D		75
075099 FRANK GANNON, JR.	D		50 CR 488
080422 DONALD F DARNEY	D		50 LOT 11
080911 DAVID LOGEMAN	D		50 ALT 17
075440 NORMAN HASTINGS	D		50
080274 FRANKLIN KENTON	D		100 LOT 4
080170 ROBERT A. WHITMAN	D		105 RT 10
077291 JEFF PORTER	D 09200920		45 FRONT
077410 LAWRENCE R & FAMELA L DEAN	D		60 US 13
075221 NORMAN HASTINGS	D		70 7TH ST
067222 DR CHAS. F	D		65 REPWEL
071825 BLENN R TRUITT	D		100 PINE
088830 CARL D CARLISLE	D 09200940		36 REPWEL
075774 LARRY A & FRAN HAYES	D		50 ROBINS
073536 ELMER LEGGS, JR	D		60 CR 536
074560 MARIE WORKMAN	D		100 LOT200
089476 ELLIS REALTY CO	D		115 OFF CR 20
065010 LESTER TRICE	D 09200960		0 REPWEL
070651 BURTON S WARD	D		45 RT 20
060354 GENE MULLANEY	D		55 REPWEL
065654 D R PATTERSON	D		55 REPWEL
071785 THOMAS POTTRIGER	D		57 NFRONT
067196 BRUCE B TRUITT SR	D		60 REPWEL
057817 SAMMIE ADKINS	D		63 LOT 22
072047 WAYNE GIVENS	D		65 NYLON
065592 GLORIA THOMAS	D		67 REPWEL
080771 MARK HARTSTEY/DAVID SMITH	D		70 RT 20
065759 ANGEL THOMAS	D		72 REPWEL
075473 ETTA WILLEY	D		72 LOT 22
090227 FRED SYLVIA	D		80 RT 639
070394 BETTY FLEETWOOD	D		85 NYLON
072683 MN CONSULTANTS LTD	D		110 CR 543
081055 ANDREW G LYNCH	D		120 LOT 30
066649 LESTER F & HELEN WORKMAN	D 09201080		0 REPWEL
071840 KENNETH J ARNEY	D		50 CR 18
073247 GEORGE MOORE	D		56 CR 18
071402 JOHN W SHENTON	D		60 RT 18
069662 STEVE GLENN	D 09400840		0 RD 487
056600 RAY L HARRIS	D		22 REPWEL
070751 DAVID A BAILEY	D		36
082957 JOE HOLT	D		40 CR 485
060901 RALPH WILLIAM ALLEN	D		43 R 13A
066655 E W JUDSON	D		47 REPWEL
076096 EDITH WARD	D		45 ALT 13
077037 ROSE MARIE ROBINSON	D		45 MURDOC
077038 ROSE MARIE ROBINSON	D		45 MURDOC

AR100090

PARCEL AGENCY NAME

PROJ ID # MID_SFID SALE_DEPTH LOCAL ID

060772	WILLIAM H MORGAN JR	D 09400840	48 REPMEL
060742	MICHAEL E BOCKERS	D	50 ALT 17
060651	ROLAND J SAMMONS	D	55 REPMEL
060715	RICHARD PERSTER	D	50 CR 438
060715	DALE W ALLEN C/O NEWTON HOMES	D	50 LOT 11
060715	GEORGE J & GRACE OLSTING, SR	D	50 RT 17A
060740	JOHN F & CATHY MCMAUGHLIN JR	D	50 CR 485
060705	RALPH WILLIAM ALLEN	D	50
060705	JACK WILSON	D	52 REPMEL
060705	FRED O'NEAL	D	55
060740	TIMOTHY & SHIRLEY MARKS	D	55 RT 17A
060707	TEX K & THEODORA MOUNTZ	D	73 CR 487
060744	DAVID A BAILEY	D	85 CR 485
060705	PETER SINGLETON	D	102 CR 485
060513	ED TAYLOR	D 09400920	50 HOLLYDAK DRIVE
060524	DIRREC-AIR & WASTE MANAGEMENT-LUST	D	105 RT20
060525	DIRREC-AIR & WASTE MANAGEMENT-LUST	D	105 RT20
060449	AUDREY L DAVIS	D 09400940	50 REPMEL
061278	GARRETT MOSELEY	D	56 REPMEL
076684	MICHAEL & ROSEMARY EVERTON	D	90 PINE
072925	IRENE LEDATES	D	100
074315	EVA MACGURLEY	D	100 57
050554	JOHN A. MOORE JR.	D 09400980	40
060715	FRED HAZELTINE	D	44 RT 17A
060715	LOUIS G BOWDEN	D	50 CR 544
074306	ESTALE WHITE	D	50
092602	ROBERT SHORT	D	50 RD 544
060591	JIMMIE F HIXSON	D	50 RT 17A
060357	STEPHEN SALIGS	D	52 SHORE
060952	W KEYS CHAMBLEE SR	D	53 REPMEL
060502	EDWIN CADE	D	55 RT 17A
058403	WILLIAM B BOYER	D	60 REPMEL
079631	THOMAS RIGBY JR	D	60 CR 544
060655	CARLTON F HENRY	D	75 RT 13-
057133	RAY S. MEARS & SONS, INC	D	78 REPMEL
061134	HENRY C TIFFT	D	80
061001	CUSTIS/HENRY B MCNEILLY	D	80 CR534
073464	CALVERT PRIESTLEY	D	105 LOT 99
060647	GARFIELD R. WATSON	D	129 LOT 8/SEC. F
060499	DAVID FEARSON	D 09401040	0 LOT 6
060580	DAVID B BEARDAVID B BEARD	D	0 RD 546
075899	ESTHER M MELVIN	D	37
060603	DAVID FRIEDBAUER	D	40 CR 544
060656	BERNICE JACKSON	D	40 CR 544
060536	JAMES NEAL	D	40 ALT 13/BOLEY RD
060732	KEVIN A LAUREL WILLINK	D	48 ALT113
060732	STANLEY POWELL	D	50 REPMEL
060732	IRVING L JOHNSON JR	D	50 REPMEL
060700	CHARLES WALL	D	50 LOT 138 & 140

ARI00091

UNRESID	AGENCY NAME	MYD_LIN	MOD	SPID	HOLE_DEPTH	LOCALITY
131260	MICHAEL T BORDNEY	D	09A01040		50	CR54b
181064	BARAH A POLKE	D			50	CR544
180267	GARFIELD R. WATSON	D			50	LOT7-9
178125	GEORGE MORRIS	D			50	CR 546
177488	FRED SEIFERT	D			55	LOT 9
188250	GEORGE MORRIS	D			57	REPWEL
177231	SCOTT BORGERS	D			50	CR 544
177486	RAWLINS H GRIFFITH	D			50	SHGRDR
177773	PAUL WINANS	D			60	LOT 24
187947	GENE R. WELLS	D			60	ALT 13
188783	ERNEST S MESSICK	D			60	CR 544
188726	KEVIN & LAUREL WILLINK	D			60	ALT 13
188135	KEVIN & LAUREL WILLINK	D			60	LOT 18
188134	KEVIN & LAUREL WILLINK	D			60	LOT 19
173825	RAWLINS GRIFFITH	D			60	LOT 1
173489	FRED SEIFERT	D			60	LOT 10
189900	JIM MESSICK	D			62	CR 18
188092	EDWARD W CANNON	D			65	REPWEL
191495	KATHY HARDESTY	D			65	LOTS 20&21
170823	ANNA MARIE MORRIS	D			70	CR 544
190680	JOSEPH R. NEVDECK	D			70	LOT 11/CR 46
188159	THOMAS W ARNEY	D			75	L11-12
185414	GLENN MURPHY	D			100	RT 13A
187698	ESTOLE G. WHITE, JR.	D			110	LOT 18/CR 46
188004		D			240	CR 19
190068	JIM RUARK	D			245	LOT 9

232 records selected.

SQL> spool off

AR100092

DATE	AGENCY NAME	NO. IN W	HOLE DEPTH	LOCAL ID
070775	KNIGHT OF COLCHESTER	P 09200680	80 RT 12-4	
070775	COCK & BULL PACKAGE STORE & TAVERN	P 09200900	40 513620	
070775	COCK & BULL PACKAGE STORE & TAVERN	P	40 513620	
070775	DAVID S WERT JR	P	78 CR 481	
077406	CITY OF SEAFORD	P 09200920	98 WM PON	
078156	CITY OF SEAFORD	P	172 HALL	
010328	CITY OF SEAFORD	clg P 09200940	50 48F8UC	
010327	CITY OF SEAFORD	cl P	104 3	
010328	CITY OF SEAFORD	clg P	115 2	
058225	CITY OF SEAFORD	clg P 09200960	114 1A	
049542	CITY OF SEAFORD	P	118 RANGE	
050330	CITY OF SEAFORD	P	118	
050331	CITY OF SEAFORD	clg P	118 POOL	
078078	JEHOVAH'S WITNESS	P 09400840	80 CR 455	
086616	WAYNE SIMPLER	P 09400940	100 RT 20	
081677	CITY OF SEAFORD	P	125 IVY DR	
070775	HERR FOODS INC	P 09400980	90 RT 13	
074453	LARRY E. WILLEY	P	109 LOT 58	

12 records selected.

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AR100093

INSTR	AGENCY NAME	MOO SR'D HYD LN W LOCALID	SOLE OFFER
071854	CLEARBROOK FARM	09401080	A RT 13
074141	KENNETH J ARNEY		A RT 13
074249	KENNETH J ARNEY		A RT 13
065515	GENIE -BARNE	09401200	A CR 483
069403	BURTON DOCKLES	09401860	A CR 488
075599	DOCKLES DAIRY FARM		A CR 488
063299	SPORTSMAN TRUCK CAFE		A Yard
091017	JAMES F. PALMER	09600940	A OFF CR 535
025108	DANIEL NELSON	09600960	A NWCEnt
075555	DUKES LUMBER COMPANY		A RT 13A
064825	IRENE KING		A Lawn
082526	FRED HEINING		A CONCOR
065552	THOMAS R FOSTER		A Yard
056989	BRIAN MERCER		A AD.20
070640	PHILLIPS SIGNS	09601060	A LS 13
068569	ROLAND V FLEETWOOD	09600940	A 480+13
068971	LEROY A COLLINS	09601090	A Garden
069776	EDWARD DUBINSKI		A CR 465
069788	DAVID B WEBB JR		A RT 13
078908	GARY VANLIER	09600920	A
074218	IRVING VINCENT		A RT 20
083548	VERNON G HILL		A RT 20
074409	RONALD E HASTINGS	09600940	A L
057463	RICHARD MAYLOVE		A RT 20
065453	LEROY A COLLINS		A RESWEL
073681	WILLIAM E DISERICH		A
074606	TY HUSKY		A LOT 39
074173	RONALD E HASTINGS		A CR 516
060919	MARY ROBINSON		A YARD
087220	BILL JONES		A CR 20
092260	GEORGE SAPNA SR.		A OFF RT 20
065634	JOHN P HANFIELD		A CR 530
065713	CAROL K HAAS		A AgWell
067076	HOLLIS R BENNETT		A Yard
069486	JOHN F FARQUHAR		A PINERD
063223	FRANK GRAY		A Garden
070015	RONALD E HASTINGS		A LOT 50
074035	DORIS LEE JONES		A
076102	GORDON MAYNES		A RT 20

AR100094

INSTRID	AGENCY NAME	ICE_BRID MID_OR A LOCALS	HOLE_DEPTH	
074117	WILLIAM DENNIS	09800940	A LOT 31	50
074114	RICHARD WELLMAN		A RD 533	50
074024	RONALD E HASTINGS		A POND	50
073744	BRIAN BRACON		A LOT 71	50
	ROY FISHER		A	50
	ROBERT A CRITTENDON		A CR 533	70
073648	GEORGE SCHENCK JR		A	70
073548	JOSEPH MACKNIGHT		A OFF CR 535	70
073321	DR M R M HOLSAY		A	50
072035	WILLIAM CORDREY		A RD 535	50
072009	RAY STORA		A	50
073334	RONALD E HASTINGS		A CR 530	50
070097	DAVID DUPREE		A CR 535	55
070124	RONALD WILLIAMS		A WALNUT	50
074559	ROBERTO VILLAGENCOR MD		A LOT 22	100
077727	ANDY SHAFFERS		A LOT 19	100
072803	ANDY SHAFFERS		A RIVEREND, LOT 19	100
074471	GEORGE SCHENCK JR		A CR 530	100
086343	DAVID KRUSE		A LOT 5	130
065884	GEORGE W BRAMBLE	09800950	A Yard	50
073613	MARTIN L BAYMONS		A CR 534	50
074082	JEFFERY & ELIZABETH ODAY		A CR 535	50
090338	JEFF CORDREY		A CR 535	50
073118	DIG OAK FARM		A CHICKEN	55
069501	JACK LAMENZA		A CR 535	50
092201	BIG OAK FARMS		A RT 46	50
071829	LEON BROWN		A CR 534	50
	AL HASTING		A 100	90
	JACK LAMENZA		A CR 535	90
065240	BART K HASTINGS		A 46+535	100
070110	BARTONS LANDSCAPING	09801060	A RT 13	50

70 records selected.

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AR100095

INVESTID	AGENCY NAME	MODERID	MODLN #	LOCALID	WOLE SECT
050070	EARL PASSEWATERS	09401080		PLEIS R	9
050424	KENNETH W. WILSON			PLEIST R	9
050992	WHEATLEY FARMS, INC.			R 12/54s	50
052177	WHEATLEY FARMS, INC.			R 12/54s	50
060147	EARL PASSEWATERS			R CHARLES	57
077777	EARL PASSEWATERS			R #1	78
077822	EARL PASSEWATERS			R WILLEY	95
080257	EARL PASSEWATERS			R 200417	100
088390	WHEATLEY FARMS, INC.			R RT 18	100
010481	EARL PASSEWATERS			R WILLEY	117

028057	LAKEVIEW FARMS TILLER JOHN HASTINGS	09500800		R #3	52
010257	MARSHALL HASTINGS			R 1a	81
028911	MARSHALL HASTINGS			R #1	81
022690	LAKEVIEW FARMS TILLER JOHN HASTINGS			R #2	83
055673	ROBERT J. WHEATLEY			R RD. 493	119
001965	ROBERT J. WHEATLEY			R 4205PM	140

027608	OCKELS DAIRY FARM	09600960		R 1	96
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055555	WHEATLEY FARMS, INC.	09601060		R NEW-53	90
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046844	FRANK WORKMAN	09800840		R RT 485	70
089168	ROLAND V FLEETWOOD			R CR 480	70

033336	WILLIAM A. OCKELS	09800920		R #2	95
033337	WILLIAM A. OCKELS			R #3	95
033338	WILLIAM A. OCKELS			R #4	95
037459	WILLIAM A. OCKELS			R #1	103

074231	RONALD E HASTINGS	09800940		R CR 516	80
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090356	ELIZABETH ANTOS	09800960		R CR 530	38
051128	EDWARD KREWATCH			R 46/534	70
051129	EDWARD KREWATCH			R 46/534	70
073846	CHARLES ISAACS			R CR 534	75
086781	CHARLES ISAACS			R RT 13	90
069708	PATRICIA SHEPHERD			R CR 535	91
071590	HOWARD ALLEN			R CR 46	100

055507	BARTONS LANDSCAPING	09801060		R Shrubs	60
053635	GARY'S LAWN SERVICE		alg	R	80

24 records selected.

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ARI00096

PROPERTY AGENCY NAME	ADD 3RD 4 50-419	05-2577
051277 WILLIAM PRESIDENT	09401980	0
052492 MILTON E PASSEWATER		50
052492 JELMA S SHENTON		50
052492 WILLIAM DIA		50
052492 ALFRED ADAMS		50
052492 DONALD HASTINGS		50
052492 MILTON FISHER		50
052492 JOHN D HILL		50
052492 COULTER PASSEWATER		50
052492 ALICE HAVENS		70
052492 JOHN E. MARTIN		70
052492 GEORGE SMITH		70
052492 WILLARD ESKRIDGE		50
052492 LAWRENCE R NELSON		54
052492 LAYTON HARRIS		85
052492 EARL PASSEWATER		91
052492 COMMONWEALTH TRUST CO		110
052492 WILLIAM H BURBAGE		110

058291 WILLIAM HAWKINS	09600800	0
058719 WILLIE D HUFFMAN		39
058329 FRANCIS ONEAL		45
058451 PARKER WHEATLEY		47
059217 ED MARVIN		50
055552 LONNIE B CAUDILL		50
057294 GORDON RAMEY		50
057472 PAUL H. AGUILLO		60
057472 E JEAN LOGAN		60
057472 JADE RUN SOD FARM		60
057472 JADE RUN SOD FARM		60
057281 GEORGE DENNEY		66
057409 JERRY B MATZKO		72
057374 DENNIS HEARN		107
052864 MICHAEL BODDORF		150

058485 WILLIAM GOODER	09600860	0
055219 JOSEPH HOLT		32
050635 KENNETH WHALEY		36
058598 HOWARD DAVIS		42
058821 GEORGE L TRUITT		42
056097 EVERETT FLEETWOOD		45
052346 DOUGLAS RISHNOUR		45
057721 DR CHAS. F		45
055375 JOHN C & KATHERINE FISHER		50
055307 JACK DEAN		50
055350 JOHN TAYLOR		50
051599 CHARLES E MOORE		50
059276 PEARL M HORNE		50
059276 JAMES F HORNE		55
056310 TIMOTHY COLEMAN		57
057454 MARJAN H WETTER		60
057217 MARVIN STEELE		60
057217 RICHARD A FOSTER		60
057217 LEE T ARINGTON		64
052125 RICHARD C PASSEWATER		73

AR100097

REC'D AGENCY NAME	REC'D NO	REC'D N W LOCAL	REC'D DEPT
7077 JOHN H HASTINGS	09210820	D RT A	74
7081 IRA WEBB		D RT 17A	80
7096 ROBERT R. BINGER	09210840	D RT 20	45
7140 ALLEN G. ALSELL		D FRONT	45
7201 W R PRICE		D ALT 17	50
7274 HERBERT STOUTER		D CR 535	80
7318 WILLIAM S FOSTER SR		D REPWEL	90
7391 CATHERINE MCQUINN		D NOSTEXT	100
7438 PHIL ROBERTS		D CR 535	115
7510 ALLEN J McILVAIN SR.	09200920	D	0
7506 EDWIN J MEYER		D REPWEL	0
7547 JOHN GRINCHENICH		D REPWEL	25
7564 LEMONT CANNON		D REPWEL	25
7565 LEE ALLEN		D REPWEL	30
7572 ST HIGHWAY DEPARTMENT		D	50
7587 DAVID WHEATLEY		D CR 534A	50
7607 MICHAEL S & PATRICIA K OFFENSEND		D CR 534	50
76329 GERALD MCCABE		D DOLLY RD/RT 13A	55
76159 DONALD COMSTOCK		D LOT 4	60
76211 MICHAEL J ODEA		D LOT 7	60
76258 MARY T MONACO		D LOT 14	60
76863 MARY E MOORE		D REPWEL	65
76798 ALTON MILLMAN		D	65
76945 ELIZABETH BARNES		D RT 20	70
77116 HERBERT STOUTER		D CR 535	78
77116 ROBERT CANNON		D RT 13A	70
76863 THOMAS R POZSGAY		D REPWEL	92
76311 RONALD H MARVEL		D LOT 14	95
76562 DONALD COMSTOCK		D LOT 4	100
76118 GEORGE SEBACHER		D CR 534	100
77751 RODNEY LECATES		D	100
76507 TED SIMPLER		D REPWEL	102
77862 JOSEPH R NEUDECK	09601020	D LOT 1	0
77863 JOSEPH R NEUDECK		D LOT 2	0
76245 LEON T GAST		D REPWEL	43
76914 BARFIELD R. WATSON		D LOT 2	50
76980 LESTER G TWILLEY JR		D RT 18	60
77864 JOSEPH R NEUDECK		D LOT 22	75
76278 MARYLOU BIRD		D RT 18	90
76474 JOSEPH R NEUDECK		D RT 18, RAINSFIELD	90
77615 FRED SEIFERT		D LOT 10	80
77314 JAMES YOUNG JR	09800840	D CR 480	48
76853 PRESTON MOORE		D REPWEL	50
76843 EVERETT F. EETWOOD		D CR 485A	50
77630 MABEL SUGGS		D RT 13A	50
76944 GEORGE L TRUITT		D CR 485	60
76102 GALLY MILLIGAN		D	65
76217 JACK & ANGELA MALLINS		D RD 485	80
76190 ROGER L HARRIS		D CR 480	90

AR100098

REC'D - AGENT NAME MID SPD - ID_N - LOCAL ID - CLE_DEPTH

000000	NORMAN MORGAN	0000000	D LOT 12	0
000000	LIMWOOD HASTINGS		D CR 481	70
000000	RICHARD OLIVE		D REPWEL	70
000000	MERCY CHAPMAN		D REPWEL	40
000000	JACK E HEARS		D LOT 2, CR 481	40
000000	RONALD E HASTINGS		D REPWEL	50
000000	RONALD SIVENS		D CR 488	50
000000	CHARLES F ROBERTS		D CR 481	55
000000	KENNETH E RIGGINS		D CR 488	60
000000	DIANE KING		D CR 488	60
000000	JACK E HEARS		D LOT 2, CR 481	60
000000	JACK E HEARS		D LOT 4	60
000000	CATHY SHAW		D REPWEL	65
000000	JACK E HEARS		D LOT 7	65
000000	LESLIE SMITH		D RT 12	65
000000	REBECCA J POLLARD		D RT 12A	90
000000	HARRY WHALEY	clg	D	82
000000	MELISSA WILLIAMS		D CR 481	84
000000	FLORENCE E THOMAS		D CR 488	85
000000	ARTHUR WEST		D REPWEL	88
000000	GEORGE H BLINN		D REPWEL	90
000000	MELVIN L HINDT		D LOT 9A	90
000000	MIKE HAMILTON		D TRAILER	95
000000	TED BLADES		D	95
000000	HENRY A HASTINGS		D CR 488	95
000000	KATHY SHAW		D LOT 7	95
000000	ARTHUR STOCKHOM		D CR 481	100
000000	KENNETH E RIGGINS		D CR 488	100
000000	STEVEN J HYDOCK		D CR 488	100
000000	FLORENCE E THOMAS		D CR 488	100
000000	DAVID M STIDMAN		D LOT 3	100
000000	RONALD DEFEW		D RT 20	105
000000	JACK A MCDONNEY		D CR 481	105
000000	BENJAMIN WALLS		D CR 481/LOT 2	110
000000	ARTHUR HOPKINS		D CR 481	117
000000	JOHN THOMAS		D	260
000000	LIMWOOD HASTINGS		D CR 481	260
000000	JOHN THOMAS		D CR 481	260
000000	MIKE HAMILTON		D LOT 12	260
000000	LLOYD JEWELL		D REPWEL	335
000000	MARK SMITH		D CR 481	400
000000	JESSE L. THOMAS	0000000	D CR 31	25
000000	SEN		D DEGWOD	30
000000	JAMES MANN		D RT 20	30
000000	EVERETTE M MASTEN JR		D REPWEL	35
000000	JIM SCHROEDER		D CR 20	35
000000	DENISE WHALEY		D LOT 20	37
000000	RAYMOND JUSTICE		D	38
000000	FRANK E DORMAN		D LOT 55	38
000000	K K VANTINE, SR		D LOT 34	40
000000	AGUSTIN E GOMEZ JR		D RT 20	40
000000	ROBERT FRANKOWIAK		D RT 20	40
000000	CASSELL THOMAS		D RT 20	40

AR100099

PRECED	AGENCY NAME	MOD, REF ID	MOD, LN #	LOCALITY	MOLE, DEPTH
164224	PRESTON HOPE	09800620		D CR 481	40
167701	RICHARD S DODD			D RT 20	40
167821	MICHAEL ROBERT GRIFFITH			D 20-13	40
167979	HARRISON HOKINS			D RT 20	40
167742	JOSEPH SUIT			D PD 20	42
167707	CHARLES L MORRIS			D REPWEL	42
167011	ALAN INGALLS			D LOT 23	45
167728	CASSELL THOMAS			D 20-485	45
170023	MIKE STURGIS			D RT 20	45
169874	MARVELL WALKER			D RT 20	45
168227	ALICE COX			D RT 20	50
161557	JAMES S LANKFORD			D LOT 14	50
167775	JOHN W. BROHMAN			D LOT 60	50
169130	BILL JONES			D CR 20	50
169623	JAMES FOSKEY			D RT 13	50
166740	SEIFF INC			D RT 20/LOT 27-A	50
171813	JAMES LONG			D RT 20	50
170195	IDALEE GLOVER			D RT 20	50
162419	GARY CONAWAY			D REPWEL	52
157507	MARGARET JACKSON			D	55
170180	MARVIN LLOYD			D CR 20	55
168845	WILLIAM W MESSENGER			D BEAVER	55
167340	KERNICK TRAMMELL			D	60
164703	CRAIG & KATHY M RUF			D LOT 63	60
160097	BERNHART H DEGE JR			D LOT 5	60
170725	WHE-HAI TUNG			D SD 20	60
172123	NORTHERN THOMAS			D RT 20	60
173181	STEVEN SEIFF			D	60
178841	SEIFF INC			D	60
163563	LEWIS A PALMER			D CR 20	60
179687	CHARLES R BELL			D 3 ACRE	60
172344	PAULINE ARNETT			D RD 481, LOT 5	60
168575	ALICE A. FITCHETT			D RT 20	60
184125	JOANN ROBINSON			D HAVEN	60
172721	MARGARET MATTHEWS			D RT 20	60
171674	DONALD GIVENS			D CR 485	60
160757	BILL BACKUS			D REPWEL	60
158444	ROY FITZSIMMONS			D LT 13	60
159400	JOANN LOONEY-KING			D 2.13AC	60
174294	RUDY COLLINS			D RT 20	65
163615	GARY E CRUTCHFIELD			D REPWEL	70
163899	ALICE COX			D REPWEL	75
168240	WHITELY FORBES			D RT 20	75
177586	CHARLES R BELL			D 3 ACRE	80
164739	SEIFF INC			D RT 20/LOT 24-A	80
172348	ROYAL S. BRUMMELL			D RD 481	80
171019	ARTHUR STACKHOUSE			D 1962	85
168270	DAVID PARKER			D REPWEL	97
168725	FRANK L MORRIS			D REPWEL	90
175215	NETTIE GROVES			D	90
167570	RICHARD AND GLORIA WEST			D 20-485	96
170669	ERNEST T DUKES			D RT 20	100
161763	WAYNE HERRITT			D	102
165270	CHARLES M WALLS			D RT 13	108
167520	MARY SMITH			D CR 481	110
167264	LIMWOOD HASTINGS			D REPWEL	120
169448	MARY WHEATLEY			D RT 13	260

AR100100

OFFICE	AGENCY NAME	TOO BRID	NO. IN A	LOCAL ID	FILE REF
1255	RAYMOND BARROWS	0900120	2	LT 10	240
12119	ERNEST T BUKES		2	RT 13/RT 20	260
12125	ALLEN FAMILY FARMS		0	006000	275
12127	THOMAS L KENDRA SCOTT		2	0000 DECWOOD 12	410
12550	DAVID B WEEB JR	0900140	0	LOT 23	0
12554	FURRY BRADLEY, INC		2	LOT 24	0
12557	JAMES D McKEE		0	REPUEL	0
12558	THEODORE B SIMPLER		0	CR 520A	0
12559	THOMAS N TERRY		0	REPUEL	0
12562	RON RAMSEY		0	REPUEL	0
125117	FANDY G TOWERS		0	LOT 23	0
125910	CHARLES L HARRIS		0	REPUEL	22
125910	JERRY C HARRIS		0	REPUEL	22
125921	JAMES LONG		0		30
125924	DAVID KRAUSE		0		30
125930	LINWOOD JENKINS		0	RD 13	35
125954	JAMES YOUNG		0	REPUEL	36
125972	WALTER C MCCLURE		0	REPUEL	39
125989	JUANITA D HILL		0	CR 530	40
125991	ROBERT JONES		0	RT 20	40
126018	JUNE E BUOR		0	LOT 86	40
126027	RICHARD R BEARDEN		0	CEDAR	40
126063	LEONARD MCCLROY		0	LOT 21	40
126084	WILLIAM A WHEATLEY		0	CR 530	40
126090	IMPERIAL SALES CO.		0	CR 516	40
126096	JAMES HILL		0	CR 530/LOT 20	40
126099	CLARENCE HOLLEY		0	CR 486	40
126100	FRANK ABBOTT		0	LOT 12/CR 530	40
126100	IMPERIAL SALES CO.		0	CR 516	40
126204	JOHN & MARY ELLEN FARQUHAR		0	FINE	40
126243	TY HUSKY		0	LOT 39	40
126282	HOWARD LEWIS		0	LOT 18	40
126283	RONALD ASHMEAD		0	REPUEL	42
126287	DAVID L JESSEE		0	REPUEL	42
126287	RONALD HORSTKAMP		0	LOT 36	43
126212	HARRY FRIED		0	REPUEL	45
126193	BENJAMIN H. LANE JR.		0	RD 530	45
126478	B FRANK ABBOTT		0	LOT 14	45
126537	O A NEWTON		0	LOT 1	45
126252	DAVID VINCENT		0	LOT 34	45
126170	LAURA MOLES		0	REPUEL	45
126760	STEVEN SEIPP		0	LOT 11	45
126964	GEORGE MITCHELL		0	REPUEL	45
126221	HAROLD L GRIFFIN		0	LOT 21	45
126233	DONALD M MARTIN		0	CR 530	45
126711	EAN DECARD		0	REPUEL	49
126782	MAX DUBIN		0	RT 13	50
126745	LEON R ELLIS		0	RT 13	50
126747	EUGENE WRIGHT		0	CR 535	50
126728	WAYNE & SAUNDRA MOORE		0	CR 530	50
126906	JOHN HOLLY		0	CR 516	50
126722	DONALD M MARTIN		0	CR 46	50
126744	LYNN IRWIN		0	LOT 48	50
126744	ROBERT SAVAGE		0		50
126744	FURMAN SESSONS		0	CR 516	50

AR100101

AGENCY NAME	CD, GRID	CD, GRID	CD, GRID
17360 BERTALDO CROSSMAN	07500940	D RT 20	50
17367 JEAN WALDRON		D CR 525	51
17377 PAUL E MOCTEN		D	52
17378 HENRY J WHEATLEY		D CR 20	53
17379 HELEN M MOORE		D LOT 19	54
17380 SAMUEL L. DEVELOPERS		D CR 530	55
17484 WESLEY S RICHARDSON		D REPWEL	56
17677 JOHN D (BUNK) ADAMS		D LOT 20	57
17608 LEON R ELLIS		D LOT 7	58
17613 HENRY M WILSON JR		D 520+46	59
17622 RUSSELL KNCRR		D REPWEL	60
17623 DONALD YERKES		D REPWEL	61
17619 GEORGE SCHENCK JR		D LOT 24	62
17673 DONALD M MARTIN		D CR 530	63
17166 RICHARD JONES		D REPWEL	64
17674 DONALD M MARTIN		D REPWEL	65
17625 ELLIS REALTY CO		D 525+46	66
17176 DWIGHT BLAKENEY		D REPWEL	67
17153 WILLIAM WHITTAKER		D LOT 77	68
17676 WAYNE HASTINGS		D	69
17614 RICHARD MANLOVE		PLEIST D	70
17396 JAMES SMITZ		D CR 530	71
17392 SEANN M CAREY		D RT 20	72
17909 GLENN A BOWEN		D FERNWD	73
17745 JEAN WALDRON		D REPWEL	74
17050 WILLIAM J. HASTINGS		PLEIST D	75
17451 DAVID BAKER		D LOT 41	76
17813 MINGS WRIGHT		D	77
17615 TERRY STIMELING		D LOT 4	78
17616 EBBIE TOWNSEND		D LOT 9	79
17077 DONALD E HASTINGS		D LOT 32	80
17322 DONALD M MARTIN		D LOT 31	81
17642 HAROLD GRIFFIN		D LOT 8	82
17099 ELBERT MOSELEY		D REPWEL	83
17912 JOHN P HANENFIELD		D REPWEL	84
17916 DONALD M MARTIN		D LOT 2	85
17015 HELEN K HILL		D RD 530	86
17911 DAVID B WEBB JR		D LOT 21	87
17909 DAVID B WEBB JR		D LOT 22	88
17905 DAVID B WEBB JR		D LOT 4	89
17867 GLENN H GRIFFIN		D LOT 5	90
17947 JOHN W HITCH JR		D FERNWD	91
17903 HOWARD SCOTT MORGAN		D LOT 52	92
17844 DAVID GABRIKIS		D	93
17400 TED SHEPHERD		D CR 111	94
17299 RONALD E HASTINGS		D LOT 29	95
17256 JAMES HILL		D CR 530	96
17257 WILLIAM JAMES		D PIT RD	97
17252 RONALD E HASTINGS		D LOT 46	98
17205 EDWIN M ODOE		D CR 46	99
17189 RONALD E HASTINGS		D LOT 51	100
17144 RONALD E HASTINGS		D LOT 21	101
17876 RALPH B FREIDEL		D CR 530	102
17813 REV. DAVID B. MILFORD		D RT 20	103
17813 DONALD M MARTIN		D CR 530	104
17813 ANNA MAE BROWN		D CR 526	105
17153 DAVID LIBBY		D LOT 89	106

AR100102

PERID	AGENCY NAME	MCD, TRID, HDB, LN, LOCALID	HOLE DEPTH
11775	JAMES HILL	09500940	D 417 RD
11195	JOHN MURPLEY		D
11191	RONALD HASTINGS		D LOT 75
10140	PETER WEDDEFSIN		D RT 20
19870	WILLIAM HARPER		D LOT 84 PHASE II
80649	DONALD M MARTIN		D 417 RD
80908	JAMES HILL JOHN LEWIS		D 417 RD
79378	WELDON HARPER		D CR 530
79384	JACK F PARKER		D LOT 47
78408	JAMES HILL JOHN LEWIS		D LOT 8
78191	DONALD M MARTIN		D LOT 1
78141	W WELDON HARPER JR		D CR 530
77736	JAMES HILL		D CR 530
67143	REMUS GIBBS		D REPMEL
65306	WILLIAM A WHEATLEY		D CR 530
65279	DR MIR M MOUSAVI		D LOT 7
65127	THEODORE B SIMPLER		D LOT 2
65009	LEON R ELLIS		D LOT 2
62658	MARK T BERRYMAN JR		D LOT 7
60737	PAUL A & MARILYN MORRIS		D REPMEL
60621	EDWARD KREWATCH		D LOT 15
60757	ALLEN FENROD		D LOT 10
74841	WILLIAM JAMES		D
74119	THEODORE B SIMPLER		D LOT 14
67145	KELLY LORD		D RD 20
57045	THOMAS SMITH		D REPMEL
67231	WILLIAM R CLARK		D REPMEL
65639	WILLIAM F WILKINSON		D REPMEL
65260	PAUL DAUDT		D REPMEL
66793	ROY SMOOT		D CR 530
67077	BRUCE WILSON		D REPMEL
774292	LAURA T PHILLIPS		D LOT 6
64013	DONALD DRAKE		D REPMEL
771672	RONALD E HASTINGS		D LOT 50
75804	H THOMAS FITZGERALD		D
774065	RONALD E HASTINGS		D LOT 25
72525	ALAN FERNER		D LOT 16
66859	SAMUEL A BLACKWELL		D L15&16
59427	DAVID B WEBB JR		D LOT 16
64757	EDWARD E MOORE		D CR 530
60943	STEVEN J MORGAN		D CR 530
75257	JENNINGS SPICER		D CEDAR
78687	LARRY HARDESTY		D
822294	RONALD E HASTINGS		D LOT117
722796	WREN R. ALLEN, JR.		D RT 13
779920	RON HASTINGS		D
776407	JAMES HILL		D LOT 9
776259	MICHAEL A TERRY		D LOT 42
773009	CECIL A SHIREY		D
774280	PAT W FLANAGAN		D LOT 81
773461	WILLIAM CORDREY		D REPMEL
770510	T.L. WRIGHT		D LOT 2
778144	DORIS LEE JONES		D CR 530
763258	JAMES E SATCHEL		D REPMEL
775570	JACK PARKER		D LOT 47
774345	PAUL L BISHOP		D LOT1,2
757529	MILDRED BEACH		D REPMEL

AR100103

UNIT	AGENCY NAME	ADDRESS	PHONE	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP
101	MARGARET JACKSON	3680/6840		2 LANE		30	
101	STEVE COLLINS			3 RT 20/HOLLY RD		30	
101	RONALD G. ALLEN			3 BEAUFORD LT 47		30	
101	WILLIAM A. STRAUGHN			3 CR 530		30	
101	DEPT CULVER, JR.			3 LOT 20		30	
101	BERNARD M. CAREY			3 RT 20		30	
101	DEL MARVA BUILDERS			3 LOT 71		30	
101	ROGER DEFFEE			3 LOT 12		30	
101	WILLIAM JEFFERYS			3 EVERGREEN		30	
1020	KEVIN & MARY WRIGHT			3 RT 20		30	
1013	ERIC JONES			3 RT 20		30	
1010	J. BARRICANAL			3		35	
1053	GEORGE & MILROD BEAUCHAMP			3 CR 535		35	
1072	RONALD N. RAMSEY			3 HOLLY		35	
1042	NORMAN KEY, JR.			3 CR 535		35	
1095	HOLLIS R. BENNETT			3 REPWEL		35	
1011	DAMON MUSSER			3 REPWEL		35	
1045	WILLIAM MEYER			3 LOT 3		36	
1075	MARIO ROSALES			3 LT9105K106,535		37	
1067	RUTH CANNON			3 CR 524		37	
1048	ALFRED H. THOMPSON			3 CR 535		37	
1067	RONALD E. HASTINGS			3 LOT 49		37	
10543	GAREY FAULKENBERRY			3		39	
1004	JOSEPH LOVETT			3 S		39	
10253	RODNEY L. DAUDT			3 CR 530		39	
10192	ALAN T. JONES			3 CR 535		39	
10992	LOUIS F. OWENS JR.			3 LOT 13		39	
10865	JAMES J. DOBSON			3 RT 20		39	
101	MATT. GEISEN			3 CR 530		39	
101	WILLIAM P. STEWART			3 REPWEL		39	
10202	RUSSELL KNORR			3 REPWEL		39	
10150	EDWARD BEALE			3 EVERGREEN		39	
10750	PAUL F. DEWOLF			3 OFF OF CR 530		39	
10150	CHARLES S. WILLIAMS			3 RIVER		39	
10102	THOMAS STAPLES			3 REPWEL		39	
10446	WILLIAM MEYER			3 LOT 4		39	
10196	RONALD KISSER			3 SPRUCE RD.		39	
106951	LAURENCE P. MOYNIHAN			3 REPWEL		39	
107302	JOHNN LOONEY-KING			3 20+13		39	
101540	ROBERT D. WRIGHT			3 CR 530		100	
101233	CHARLES R. STROUGHN			3 OFF CR 46		100	
109397	EDGAR P. FOGHEMAN			3 LOT 9/RT 530		100	
106730	GEORGE OWENS			3 CR535KIT 125		100	
109515	MATT FERVIS			3 CR 46		100	
107726	GEORGE SAVAGE			3 115		100	
107119	JEROME ECKERT			3 CR 535		100	
104120	THEODORE B. SIMPLER			3 CR536A		100	
107476	RONALD E. HASTINGS			3 LOT 41		100	
107475	RONALD E. HASTINGS			3 LOT 24		100	
107375	RONALD E. HASTINGS			3 LOT 13		100	
107375	RONALD E. HASTINGS			3 REPWEL		100	
107112	PETER D. STEPHENS			3		102	
107321	HAROLD SHORT			3 REPWEL		105	
107957	JEFF MEREDITH			3 CR 525		105	
107957	THEODORE B. SIMPLER			3 LOT 16		105	
107957	RONALD E. HASTINGS			3 RIVERS END RD		110	
107957	DR. EDWARD JILOCA			3 LOT 71		115	
107254	DEL MARVA BLDG., INC.						

AR100104

REC'D AGENCY NAME	MOD BRID	MOD LN	LOCAL ID	MOLE DEPT
05728 CYNTHIA KILBO	09900940		D CR 486	115
01178 TY HUSKY			D LOT 39	117
01508 JEAN WALDRON			D CR 575	120
04066 STEVE ALBRELL			D LOT 42	130
01264 DAVID B WEBB JR			D	131
01772 RONALD E HASTINGS			D LOT 19A	136
04092 CAROLYN TOY			D	138
01174 CUPPIS & STRAUSBAUGH			D LOT 35	140
02434 MARY LOU KINSEY			D PINE ROAD	140
02100 THOMAS ARNEY			D LOT 21	140
02094 ARNOLD VANN			D LOT 9	149
03198 DAVID B WEBB JR			D LOT 10	175
03189 DAVID B WEBB JR			D LOT 1	175
04194 RONALD E HASTINGS			D LOT 13	175
02685 MOBILE HOME GARDENS			D LOT 2	175
03046 ROBERT FERBER-COOPER-THOS BLOERS			D LT 12	178
04359 ALAN FERNER			D LOT 16	180
04733 JOSEPH & NANCY PARKER			D LOT 23	180
05972 LAURA T PHILLIPS			D LOT 6	180
04842 LEMONT CANNON			D RT 20	180
04463 ALAN FERNER			D LOT 16	180
08311 STEVE COLLINS			D RT 20	180
06795 JOHN IRWIN			D RT 20	180
01668 LOUIS MOREL	freq		D	180
07336 WILLIAM HASTINGS			D LOT 25	181
07371 SEAFORD DOUGHNUT COMPANY			D RT 20	181
06692 MICHAEL A TERRY			D	190
08413 ELLEN S FIELDS	freq		D LOT 44	190
08433 ALAN O'NEAL			D	400
05825 RON HASTINGS			D LOT 113	400
092410 DAVE LIBBY			D GREEN LEAF	400
09476 HELMUT GERHARDT			D LOT 124	400
05389 BEVERLY ATKISON			D CR 46	400
057949 WILLIAM SLACK			D LOT 109/CR 530	400
055284 BOB WARFORD			D CR 46	400
051093 LURETTA C PURSE			D LOT 38	400
03561 RONALD E HASTINGS			D LOT 68	400
089735 TY HUSKY			D LOT 118	415
090435 PETER KOTINSKY			D LOT 75	415
071863 LEONARD MCCLROY			D LOT 21	420
084291 WELDON HARPER			D RIVEND	420
090412 RENEE DOBSON			D OFF RT 20	420
083534 DELMARVA BUILDERS			D LOT 106	422
050245 TONY NERO	09200960		D LOT 3	0
066500 JAMES V. HOSTER			D LOT 18	0
079769 DONALD POWELL			D LOT 16	0
066501 VICTOR HURLEY ESTATE- B J HURLEY, EX			D LOT 17	0
059435 ROBERT W RAWLINS			D RNS+AC	0
058337 U. GRANT MERVINE			D REPWEL	29
067658 JAMES & HAZEL ROWE			D REPWEL	32
053247 STEVE INGRAM			D CR 535	32
011581 ETHEL ENGLE			D REPWEL	36
050217 TONY NERO	cig		D LOT 10	38
050977 EDWARD KREWATCH			D INDIAN	40
078506 DOROTHY DILLMANN			D	40

AR100105

PROPERTY	OWNER NAME	VAL. PRD	VAL. L	VAL. H	VAL. J
054405	BETTY E DANEY	09800000		D REPWEL	41
054406	PETER HARRISON/LAWRENCE ROBERT			D CR 534	45
054407	S & S INVESTMENTS			D CR 532	45
054408	S & S INVESTMENTS			D CR 532	45
054409	STEVEN SEIFF			D CR 46	45
054410	DIANE C. CARMANN			D CR 534	47
054411	JEAN SEFAUL			D TRAILER	48
054412	WAYNE TRUITT			D REPWEL	50
054413	WILLIS JOHNSON			D REPWEL	50
054414	PATRICIA SHEPHERD			D REPWEL	50
054415	WAYNE YERKER			D LOT 30	50
054416	DONALD T HILL			D REPWEL	50
054417	PATRICIA SHEPHERD			D CR 535	50
054418	CARL SABO			D REPWEL	50
054419	CALVIN E JOHNSON			D CR 534	50
054420	PETER BAXTER			D CR 535	50
054421	MARGE CARMANN			D CR 535	50
054422	DAVID SPEICHER JR			D LOT 11	50
054423	SAMUEL C HARRIS			D LOT 47	50
054424	BRUCE E WHITLOCK			D REPWEL	53
054425	JOHN A ARNOT			D	54
054426	KATHERINE K GUILLEN			D LOT 4	54
054427	CAROLYN S SPEILBURGER			D CR 46	55
054428	WILLIAM EVARISTO			D CR 535	55
054429	FRANK ABBOTT			D RD 17, LOT 12	55
054430	M.D. WETHERHOLD			D CR 535	57
054431	JERRY L SMITH			D LOT 81	60
054432	WILLIAM EDDY			D REPWEL	60
054433	CALVIN E JOHNSON			D CR 534	60
054434	MARK A MASTEN			D CR 534	60
054435	CLARENCE HARPER			D CR 46	60
054436	BUDDY HEDGES			D DIRT RD	60
054437	ALLAN H GREIBELER			D REPWEL	60
054438	PATRICK TIERNO			D REPWEL	60
054439	EVERETT CROSSBY			D REPWEL	60
054440	ROBERT A HANCE			D REPWEL	60
054441	FRANCIS & MARTHA IRWIN			D LT 19, BEAVER DA	60
054442	FRANK ABBOTT			D RD 535, LOT 11	60
054443	FRANK ABBOTT			D RD 535, LOT 9	60
054444	FRANK ABBOTT			D RD 535, LOT 8	60
054445	LEROY & EVELYN RIDEOUT			D LOT 14	60
054446	JOHN MCCOOL			D	65
054447	ARTHUR R MELICK			D REPWEL	70
054448	JESSE NORRIS DODD			D CR 535	70
054449	ROBERT REED			D CR 68	73
054450	JUNE E BANKS			D LOT 13	75
054451	SELVA S HURLEY			D CR 535	78
054452	FEVIN FRUEHAUF			D GREEN BRIAR LN.	78
054453	ROGER G PERKINS			D CR 534	80
054454	WILLIAM E GRAHAM			D REPWEL	80
054455	MARK GASKIN			D CR 534	80
054456	STEPHEN SELLERS			D CR 534	80
054457	ROBERT CRONK			D CR 535	80
054458	ARCH STREET ASSOCIATES			D CR 534	80
054459	JOHN A HERRICK			D CR 534	80
054460	JERRY L HORNE			D CR 535	80
054461	JAMES STURGIS			D	91

AR100106

REC#	AGENCY NAME	MOD	GRID	ACD	W	LOCAL ID	ACLS	DEPTH
14902	PATRICIA SHEPHERD	198009580				D REPWEL		80
14951	DONALD K. BAILEY							85
17028	ORACE A. ELLIS							85
17250	ED HIGGINS							85
21706	BRANSON S SMITH					D CR 42		85
11780	IRVIN J HEARN					D CR 534		85
28013	JAMES V. HOETER					D LOT 18		90
29297	RON HEIN					D LOT 8		90
26098	RANDY HENDRICKSON					D LOT 35		90
17806	ROBERT HARDING					D		90
18499	JOSEPH BAY					D		90
18776	URIAS GRAHAM					D CR 534		90
18570	WILLIAM N COPELAND					D 66268		95
21471	BRANSON S SMITH					D CR535		95
17500	NORMAN RITTERHOUSE					D		95
175250	ROGER HAMMOND					D CR 534		95
18476	JOHN C RESOR					D LOT 65		99
167348	DOUG HEARN					D REPWEL		100
135212	WILLIAM F. MCNATT					D RD 535		100
188044	BUSTER HARRIS					D CR 535		100
179603	WILLIAM H NEWLON					D CR 535		100
18470	WILLIAM MOORE					D REPWEL		103
16268	GEORGE W BRAMBLE					D REPWEL		105
171897	HAZEL HURLEY					D CR 535		105
172739	NORMAN HUBBARD					D 32-34		110
170953	ED MORILLE					D DIRTRD		115
162089	DAVID S FOX	09801060				D LOT 16		0
158293	GARY THOMAS					D		40
176947	JOHN TINDALL					D LOT 2		40
162176	ELLIS REALTY CO					D REPWEL		42
166947	JAMES H WEBSTER					D LOT 18		45
162560	DONALD C. BIRCH					D CR 532		45
175634	JOSEPH M & SUSAN L ECVERT					D LOT 22		45
162465	AGUSTA CARR					D REPWEL		50
166757	KENNETH D & CHARLOTTE WALTON					D LOT 7		50
179110	FRANK BRADLEY					D LOT 27		50
175758	CLAUDE BANNING					D CR 532		50
168542	RICHARD & CAROLYN MASSEY					D RT 532		50
162222	JOHN W THORNTON					D LOT 5		52
179199	FREDERICA ROBERTS					D RT 13		60
162760	ED COOKE					D CR 532		60
164796	ART MARVEL					D LOT 12		63
177422	JOHN TINDALL					D LOT 2		65
172686	ROBERT W COOK					D CR 532/LOT 3		70

254 records selected.

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AR100107

AGENCY NAME	MC BRID	MC BRID	MC BRID
5 E.D. SCHIVE	09000960	P RT 13	20
71 A * RENTALS - WALTER MOSLEY		P REPASL	25
41 SEAFORD MOOSE LODGE		P AD 13-4	25
57 OF SEAFORD		P RT 13	110
42 MESSIAH RESTAURANT		P	25
100 TIDEWATER UTILITIES, INC.	09001060	P WELL 2	110
114 TIDEWATER UTILITIES, INC.		P WELL#1	121
205 LAYERSIDE ESTATES	09800860	P RT 13	85
774 JOHN THOMAS		P LOT 5	250
242 JOHN THOMAS		P CR 481	260
243 JOHN THOMAS		P CR 481	260
888 JOHN THOMAS		P CR 481	260
846 MOELLE HOME GARDENS		P REPWEL	280
996 DAVID B WEBB JR	09800920	P CR 481	73
974 ROBERT M DOUGHTY		P RT 20	75
997 DAVID B WEBB JR		P CR 481	396
391 NANTICOKE PARTNERS LTD (ELEON: REST)	09800940	P RT 20	100
3402 THEODORE B SIMPLER		P CR 525	125
3401 THEODORE B SIMPLER		P CR 525	135
417 CHRISTIAN CHURCH OF SEAFORD	09800960	P US 13	61
7757 GOLDEN CORRAL - JACK CRANE		P Restru	115

records selected.

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ARI00108

NO	AGENCY NAME	MOD_BRIC	HID_UN	LOCAL ID	ROLE DEPT
12	TIDEWATER UTILITIES, INC.	09601080	P	RT 13	92
18	FRED HERRICH	17000640	P	RT 13	90
44	RAYMOND E. JUSTICE	10400900	P	Dall	100
53	LHC		P	RT 20	120
59	SUSSEX CO. COMMUNITY ACTION AGENCY	10401000	P	40Acres	55
17	SUSSEX CO. COMMUNITY ACTION AGENCY		P	CR 525	95

records selected.

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ARI00109

DATE	ADDRESS NAME	CO. SER. NO.	NO. IN A LOT	AGE
585	ALLEN'S HATCHERY, INC.	17001000	A CR 549	0
594	ALLEN'S HATCHERY, INC.		A CR 549	285
595	WILLIAM J. INLAY	17001000	A CR 75	45
596	ROBERT W. MARINE		A CR 75	51
597	WILLIAM O'DAY		A 75-80	57
598	WILLIAM O'DAY		A 75-80	102
608	HAZEL & VIRGIL MURPHY	09801080	A CR 532	55
1202	RANDY FLEETWOOD	10000840	A CHICKN	45
4044	RANDY FLEETWOOD		A CR 485	423
1009	DONALD F. BOOTH	10001040	A CR 531	60
8905	LOIS VOLMER		A	60
13641	LEON & DORIS WILLING	10001060	A CR 533	55
19066	DILLARDS HORSE FARM	10400900	A	50
19735	ALA FARMS		A RT 20	60
37272	JOHN T. ELLIOTT, SR.	10401000	A CR 404	60

2 records selected.

2.7 spool off

AR100110

WELL NO	WELL NAME	MOD. WELL NO	WELL TYPE	WELL DEPTH
1449	IRVIN E. HANDY	07900980	R RT 20	102
1448	IRVIN E. HANDY		R RT 20	104
1213	WELLYN FARMS		R CR 249	110
1214	WELLYN FARMS		R CR 249	110
1294	ALLEN'S HATCHERY, INC.	07900100	R 2	93
12912	MELVIN TRUITT		R CR 551	100
12958	ALLEN'S HATCHERY, INC.		R 2	103
10577	DONALD E. TRUITT	07200880	R 1a TRU	55
17681	DONALD E. TRUITT		R 1 TRUIT	55
10579	DONALD E. TRUITT		R 18 TRU	55
17646	JOHN THOMAS LAWKORD		R #1	71
12136	WILLIAM O'DAY		R #1	78
10583	WILLIAM O'DAY		R 1a	80
10579	DONALD E. TRUITT		R #2a	90
17581	DONALD E. TRUITT		R #2	90
10580	DONALD E. TRUITT		R #2b	90
59590	ROBERT F. MOORE		R WELL #1	95
59591	ROBERT F. MOORE		R WELL #2	95
59592	ROBERT F. MOORE		R WELL #3	95
10446	RELIANCE FARMS		R 3	100
10448	RELIANCE FARMS		R 2	111
13310	RELIANCE FARMS		R 1	111
13938	CARLTON W. JONES JR.		R 2	121
90880	MELVIN TRUITT	07200980	R CR 551	100
10567	WILLIAM O'DAY	07400960	R #5	0
10427	WILLIAM O'DAY		R #4	85
102517	WILLIAM O'DAY		R	90
10564	WILLIAM O'DAY		R 1a	90
17753	WILLIAM O'DAY		R #2 HOME	90
10565	WILLIAM O'DAY		R 2b	90
147425	PALMER COREY	09801080	R 235 AC	100
177799	RANDY FLEETWOOD	10000840	R CR 488	100
178071	RANDY FLEETWOOD		R CR 488	100
169424	NELLIE FLEETWOOD		R CR 485	120
142910	ROLAND V. FLEETWOOD		R 485-13	125
142914	ROLAND V. FLEETWOOD		R	140
143112	ROLAND V. FLEETWOOD		R	140
143172	ROLAND V. FLEETWOOD		R 165 AC	147
171810	HOWARD ALLEN	10001040	R CR 46	110
1063972	MRS. MARIE ALLEN PASSWATERS	10001060	R CR 531	99
1063759	MRS. MARIE ALLEN PASSWATERS		R CR 531	100

AR100111

INPREC10	AGENCY NAME	Y02_3512 HYD_LIN # LOCAL ID	OLE DEPT
100471	HOWARD ALLEN	10001000	R CR 18
100844	MRS MARIE ALLEN PASSEWATERS		R CR 501
100844	PALMER COREY		R
100844	BOB RIDER		R RT 18
100100	ELTON J. SIVENS	10000000	R CR 488
100338	PALMER COREY	10001000	R 208 AD
100338	PALMER COREY		R RT 18
100338	PALMER COREY		R RT 525

49 records selected.

SQL: spool off

AR100112

EDIC	AGENCY NAME	MCD, ERID	HYD, LN W	LOCAL ID	OLE, DEPTH
0015	JULIO BRENNICK	07000960		D CR 549	75
0070	FRANK WRIGHT			D REPWEL	45
0085	RAY C SAMMONS			D CR 549B	50
0090	RALPH GRIFFITH			D RT 20, LOT A	50
0092	RALPH GRIFFITH			D RT 20, LOT B	50
0097	WILLIAM FARMS			D 549+20	55
0098	DUDLEY V LLOYD			D REPWEL	75
0099	DUDLEY V LLOYD			D REPWEL	75
0075	JOHN SAMMONS	07001000		D CR 551	45
0085	MELVIN TRUITT			D CR 551	50
0088	JAMES GREEN			D	50
0128	LARRY L. JUNEK			D CR 551	50
0322	ROBERT F MOORE	07200880		D REPWEL	0
0755	JESSE NORRIS DODD			D REPWEL	45
0417	ELIZABETH TRUITT			D REPWEL	45
0905	RAYMOND COOK			D CR 550	45
0862	HAROLD C COLEMAN			D REPWEL	50
0822	ROBERT W MARINE			D REPWEL	50
0841	CARLTON W. JONES JR.			D CR 78	50
0444	CALLAWAY, FARNELL & MOORE			D CR 550	62
0350	JAMES R TURNER			D CR 78	45
0425	ARTHUR L WILKERSON			D REPWEL	72
0717	EDWARD H PHILLIPS	07200980		D CR 548	45
0610	JOHN J MORAN			D CR 549	50
0367	DONALD CARMINE			D CR 548	60
0364	ROBERTS BROS INC			D LOT 3	63
0911	NORMAN BROWN			D CR 548	65
0986	PHILLIP WILLIAMSON			D CR 548	70
0425	ROY W EDWARDS			D CR 47	30
0868	ART HARVEL			D CR 553	63
067127	PHILIP MOORE	07400860		D REPWEL	45
070630	ALICE ALLEN			D CR 77	45
075558	ALBERT ODAY			D CR 80	45
082410	JOHN HITCH			D REPWEL	50
06736	THOMAS LOMAX			D 56736A	55
07405	THEODORE TURNER			D CR 78	50
09025	ALBERT WHILLDOWBY			D	60
07191	HAZEL WILSON			D CR 78	60
08534	FLOYD LANKFORD	09801080		D REPWEL	0
07669	CHARLES TILGHMAN			D CR 532	50
07715	CHARLES TILGHMAN			D RT 13	50
080902	CHARLES TILGHMAN			D REPWEL	55
09709	ROBERT HITCHENS			D CR 13	58
06747	LEON J SMITH			D REPWEL	60
07921	ROBERT WILLIAMSON			D CR 532	60
074081	CHARLES FOUNTAIN			D CR 532	60
079735	JAMES R MORRISON			D CR 18	63

AR100113

AGENCY NAME MOD_ERIC MOD_JAN 4 2006-10 MODL_007-1

10000240	D CR 12	20
10000240	D CR 485	20
10000240	D LOT 1	20
10000240	D CR 485	20
10000240	D REPWEL	25
10000240	D CR 485	120

10000240	D AISEFOR	0
10000240	D REPWEL	40
10000240	D CR 485	40
10000240	D CR 485	40
10000240	D REPWEL	48
10000240	D CR 485	55
10000240	D CR 485	58
10000240	D CR 485	50
10000240	D CR 485	35
10000240	D	70
10000240	D CR 485	90
10000240	D REPWEL	100
10000240	D CR 485	270
10000240	D CR 485	279
10000240	D CR 485	425

10000240	D	40
10000240	D	40
10000240	D CR 532	40
10000240	D RT 13	40
10000240	D CR 532	40
10000240	D	40
10000240	D	40
10000240	D REPWEL	45
10000240	D REPWEL	45
10000240	D LOT 3	45
10000240	D LOT 2/CR 532	45
10000240	D RD 531	45
10000240	D LOT 2/CR 532	45
10000240	D CR 532	50
10000240	D CR 46	50
10000240	D CR 532	50
10000240	D CR 46	50
10000240	D REPWEL	50
10000240	D CR 532	50
10000240	D CR 531	52
10000240	D RD 46	60
10000240	D CR 532	60
10000240	D	60
10000240	D CR 531	60
10000240	D CR 531	60
10000240	D REPWEL	65
10000240	D	70
10000240	D CR 46	70
10000240	D CR 46	75
10000240	D CR 46	78

AR100114

REF ID	AGENCY NAME	MOD_REFID	HYD_UN	LOCAL ID	OLE_DEPTH
81552	GARNET S MARROW	10001040		D CR 531	85
81551	DAVID JOLLMER (QUACK SHACK)			D CR 532	767
73574	BARV THOMAS	10110000			
77046	FITA C LAYTON			D CR 533	42
77911	BEATELL DRAITON			D REPWEL	50
77179	WALTER BRIGIER & ABBIE PERKINS			D CR 531	50
75915	ELWOOD A TROTMAN			D CR 531/LOT 3	50
77359	JOHN M HASSMAN			D LOT 23	55
73332	WAYNE A HOLLAND			D CR 19	60
773019	WILLIAM PERRYMAN			D CR 19	60
762197	ELWOOD A TROTMAN			D RD 533	60
77216	FITA C LAYTON			D CR 532	70
769507	KENNETH S PHIPPS	10400900		D RT 20	3
762549	WILLIAM MEYER			D REPWEL	40
785906	DONALD GIVENS			D CR 488	40
782253	ROLAND TICE			D RD 487	40
766590	DOUG H MITCHELL			D RT 21	40
775007	LEVIN A WILLIAMS III			D CR 488	40
760993	LOFENZO WILLIAMS			D CR 20	40
766687	VERNON DAWSON			D CR 488	45
776921	PHYLLIS BROWN			D CR 488	45
769002	LANA CICCARELLA			D RT 20	45
768278	PEGGY P. MURRAY			D CR 20	47
767377	JOE ANN ANDERSON			D REPWEL	50
774650	DELMAR FEED MILLS			D CR 488	50
772800	MARY PARSONS			D CR 488	50
781357	WILLIAM TOWERS			D CR 485	50
775012	WILLIAM TOWERS			D CR 485	50
758178	HARVEY L. SMITH			D REPWEL	55
707379	HARLEY MOORE			D CR 485	60
757716	RONALD WILLIAMSON			D LOT 9	60
782683	BOB MOYER			D LOT 8	60
759118	LARRY E. WILLEY			D CR 485	60
790564	ROBERT ANGER			D LOT 7/CR 479	60
776633	DAVID W & NANCY KRUSE			D LOT 37	60
775099	DONALD GIVENS			D CR 485	60
771615	LEVIN A WILLIAMS JR			D RT 13	60
767917	FRANK G HENSON			D	60
757670	JOHN A. MOORE JR.			D	60
789035	RONALD CANNON			D CR 485	70
775790	HARLEY MOORE			D	97
784287	CHARLES TOWERS			D CR 485	100
762513	SEAFORD FEDERAL CREDIT UNION			D CR 479	105
764802	HARRISON CHURCH	10401000		D REPWEL	40
773912	GEORGE REHA			D LOT 11	40
779737	HOLLY MILLER			D CR 533	43
794620	RUSSELL WINGATE			D LOT 12	44
754254	SUSSEX CO. COMMUNITY ACTION AGENCY			D Reloca	45
781205	TOM. & KATHY PUSEY			D LOT 13	45
763520	ANNIE N WALSTON			D LOT 33	50
768663	JERRY L WELER			D L 4586	50

AR100115

INACTIVE AGENCY NAME	MOD, BRID - V2, V4 W - 2004-10	-CLER, DEPT 4
90483 KENNARD BRIANT	10401000	D CR 521
90719 DAVID T MILLIGAN		D CR 521
90730 ROBERT M WALTUNEN		D LOT 1
90731 JACK REYNOLDS C O TOM LEE		D LOT 2
90732 JACK REYNOLDS		D LOT 3
90733 TERRY K. BAYER		D LOT 7
90734 AYANDA BATESON		D CR 521
90735 EARL LEE MAY		D LOT 60
90857 LINDEN REMENTER		D CR 523
90875 LINWOOD ROSS		D CR 521
90813 BETTIE EVANS WILLIAMS		D LOT 23/CR 525
90822 BARBARA CROSS/JAMES SCARBOROUGH		D CR 523/LOT 10
90838 ELWOOD A TROTMAN		D CR 523/LOT 2
90839 ELWOOD A TROTMAN		D CR 523/LOT 4
90934 ENOS & CARRIE GREEN		D LOT 91
90946 PAUL H HASTINGS		D CR 523
90954 JERRY L WELER		D L 54X5
90972 MELVIN CANNON		D CR 523
907171 JERRY L WELER		D L32X33
908663 JERRY L WELER		D L 52X5
90482 LOUISE SAVAGE		D REPWEL
90415 FRANK BLAKE		D
90912 MADELINE WILLIAMS		D LOT 18/CR 525
90639 MAE BELL BREWER		D FRED
90503 THOMAS L GIBBS JR		D CR 525
90545 GEORGE LINGARD		D RD 576
90519 ALICIA M CANNON		D L528X6
90883 JERRY L WELER		D LOT 19
90731 MARY BROWN		D LOT 17
90748 JOSEPH LEWIS		D CR 525
90748 SEIPP INC		D CR 525
90796 JERRY L WELER		D LOT 45
90799 JERRY L WELER		D LOT 61
90797 JERRY L WELER		D LOT 57
90289 THEODORE B SIMPLER		D LOT 25
90287 THEODORE B SIMPLER		D LOT 29
90286 THEODORE B SIMPLER		D LOT 28
90285 THEODORE B SIMPLER		D LOT 26
90353 RUSSELL WINGATE		D LOT 12
90382 TOM & KATHY PUSEY		D LOT 13
90347 IRENEAL KITTIES		D CR 525
90370 LINDA RAGIN		D CR 521
90409 IVORY JAMES		D CR 521
90795 JERRY L WELER		D LOT 41
90735 CULLEN PENN		D CR 525
90583 SAMUEL EPPS		D CR 525
90794 CHARLES E JENKINS		D REPWEL
90682 JERRY L WELER		D L31819
907478 NATHANIEL GIBBS		D CR 525
903016 MAGGIE M ROBINSON		D LOT 78
90903 RANDY M WRIGHT		D CR 521
90959 GRACE McNEIL		D B11H17
901432 BART K HASTINGS		D REPWEL
90770 NAOMI NORMAN		D REPWEL
90770 WILLIAM MURPHEY		D CR 525
90770 IVORY JAMES		D CR 521
90391 MARY DRUMMOND		D

AR100116

REC'D AGENCY NAME	MOD_3R12	MOD_JN	LOCAL ID	FILE DEF
87625 LISA D LOFLAND	10401000		D LOT 96	71
87648 WILLIE MAE SANDERS			D LA 807	76
88176 MARILYN A HERMAN WILLIAMS			D CP 125	78
88681 KAYE CONSTRUCTION CO			D CR 325	81
88682 WILLIAM ALSTON			D RT 37	85
88408 JOHN T. ELLIOTT, SR.			D CR 404	85
88503 CLYDE MELLIN			D REFUEL	100

13 records selected.

10L> spool off

AR100117

PROPERTY	AGENCY NAME	MOD, SPID - D, LN W LOCALID	-CLER, SECT-
060018	WARREN MILLIKEN	07400900	D CR 549 40
060019	RALEIGH O'DAY		D LOT 1 CR 549 40
060021	LYNN ARIENT		D CR 78 50
060022	JAMES R TURNER		D RD 78 50
060023	JOHN F. O'DAY-CHARLES FARMS		D CR 549 50
060024	RALEIGH J. MARGARET DEAN		D CR 549 50
060025	STEVEN A WEST & COOPER THOMAS BUILD		D 50

060026	EDWARD SHIEVES	07400940	D REFUEL 40
060027	RAYMOND E JOSEPH		D CR 552 40
060028	NORA BANNING		D CR 552 40
060029	JAMES P LOCKE		D RD 548 45
072754	MARY HANDY		D LOT 7 45
067003	WILLIAM C. BRAMBLE		D 20-541 50
072227	ALLEN THOMAS		D RT 20 50
062697	MARY HANDY		D RT 20 50
081205	LAWRENCE DRUMMOND		D CR 552 50
077120	D A NEWTON		D LOT 5 50
087053	JOHN E. GRIFFITH		D CR 20 55
060094	DONALD L HANSEN JR		D LemSt 50
077861	MARY E COULBOURN		D CR 549 60
078011	CHARLES GOOD		D CR 552 60
077560	RANDALL HANDY INC - PAULINE HANDY		D RD 552 60
068643	NORA BANNING		D CR 552 63
067942	COLEMAN WHEATLY		D REFUEL 65
069360	OPAL ADKINS		D RT 20 65
077120	WILLIN FARMS		D CR 552 70
060000	ROBERT ALLEN		D REFUEL 75
060000	WILLIN FARMS		D RT 20 95
063092	GRACE TULL		D RT 20 95
066541	GRACE TULL		D CR 552 319
072341	WILL SMITH		

064227	WAYNE M MURPHY	07401020	D CR557A 40
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078337	JOHN GUNDRY	07500780	D CR 79 30
058597	C HUGH PERTELL		D REFUEL 65
067331	PAUL R PORTER		D REFUEL 65
065599	MARTIN COSGROVE		D CR 79 300
061590	DELAWARE STATE DEPT. OF HIGHWAYS		D CR 79/NAN. RIVR 380

060512	LEWIS L WARD	07601340	D CR 553 0
071172	JOHN W O'SIER		D CR 554 36
069551	WILMER L SMITH		D RD 553 42
061252	JAMES P LOCKE		D CR553A 50
091447	VAUGHN RUSSELL		D CR 553A 50
034713			D CR 554 50
097149	LEWIS L WARD		D CR 553 50
062221	ROBERT L WEBB		D CR 554 60
061227	LESLIE E JOHNSON		D CR553A 60
061227	BETTY R. HENSON		D CR 553A 105

AR100118

10 AGENCY NAME	MOE_SACD HYD UN W LOCAL ID	MOE_CSEF
5 JOHN GOFF JR	07800960	D CR 20 50
6 THOMAS E JENNETTE		D CR57A 57
7 COULTER PASSEWATERS		D CR 534 50
8 TOM PASSEWATERS		D RT 12 50
9 CHARLES C. CALLAWAY		D 50
12 CAROLYN SMITH		D RT 50 50
15 WALTER A LLOYD	07800960	D 65
17 BARRY L TUBBS		D 75
18 WALTER A LLOYD		D 84
19 WAYNE GRANT		D CR 79 95
24 CHARLES E MYERS		D CR 538 87
67 CAROLYN MURPHY		D CR 538 95
12 JAMES SHUTTER JR		D 100
69 JOHN SPAHN	07800880	D REPWEL 76
54 RICHARD & MICHAEL MAHETTA		D CR 80 42
90 JAMES O'DAY		D CR 538 50
104 HAZEL WILSON		D RT 78 57
108 ALTON L PASSEWATERS		D REPWEL 60
154 KEITH A & KAREN L HOPKINS		D CR 80 60
144 GEORGE H & ELEANOR TULL		D CR 80 60
200 RICHARD & MICHAEL MAHETTA		D CR 80 60
289 RICHARD & MICHAEL MAHETTA		D CR 80 60
710 MICHAEL MAHETTA		D CR 78 61
304 CRAIG CONLEY		D CR 78 63
288 LEMOYNE SCHIZOEDER		D RD 78 65
195 JOHN SPAHN		D REPWEL 72
018 KRISTOPHER R. SWAIN		D RT 78 75
757 DOUGLAS W & TRACEY LEE LUNDBLAD	07800920	D 549*20 0
461 SCOTT COLBORNE		D REPWEL 45
068 KENNY COLEBOURE		D REPWEL 50
129 THOMAS R GOOD JR		D 549*20 50
4734 GLENN L HASTINGS	07800980	D REPWEL 45
3280 HOWARD E BAKER		D CR 552 45
3507 SHIRLEY B RVERIC		D 50
1389 WILLIAM F HAINES		D RT 20 50
1211 JAMES H WILKERSON		D 60
1501 WILLIAM H ASH JR		D CR 553 60
1924 EVERETT A HARROLD		D CR 553 60
7765 RUDOLPH E WILSON		D CR 552 60
3206 MICHAEL J DICKERSON		D RT 20 60
3252 RUDOLPH E WILSON		D CR 552 60
5682 WAYNE A TURNER	07801040	D CR 554 0
7092 ROBERTA HENSLEY		D 42
7330 EARL JACKSON SR		D REPWEL 45
0827 PAUL L BRADHAM		D CR 557 45
1979 WALTER W OSBORNE		D CR 559 48
7096 CHARLES HENSLEY		D 50

AR100119

REC'D	AGENCY NAME	MOD_3R10 HYD UN	LOCAL ID	HOLE DEPTH
11502	NANCY HARROLD	07901040	D CR 557	22
11557	LARRY E. WILLEY		D CR 557	22
11649	STEVE COOPER		D CR 557	22
11700	EUGENE FRANCESCHI		D CR 557	22
11711	ELVIN L. HINCH		D CR 557	20
11711	RANDALL HANLEY		D CR 557	20
11729	THOMAS A. HANLEY		D CR 557	20
11734	SAMUEL H. STANT		D CR 557	20
11750	RAYMOND FOSTER		D CR 557	20
11743	NEIL ESTERSON		D CR 557	20
11862	PAUL BRADHAM		D CR 554	350
11820	C.J. MERRIDER		D CR 554	350
71209	JOHN A. BULLOCK	08000840	D CR 538	65
71695	DAVID A. TULL		D	65
71777	J. WILLIAM ROYAL		D CR 536	67
71920	ROXANNE ROYAL		D CR 536	65

10 records selected.

QL> spool off

AR100120

DMRECID	AGENCY NAME	MOD_SRID	HYD_LIN #	LOCALID	POLE_DEPTH
070604	ROBERT W. MARINE	07400900		A CR 549	40
070608	KEITH E JACKSON			A CR 78	45
070609	CARLTON W. JONES JR.			A CR 79	45
070625	WILLIAM O'DAY			A CR 80	100
070626	WILLIAM O'DAY			A CR 80	100
070628	CARLTON W. JONES JR.	07400940		A CR 549	50
070612	RONALD WILLIAMSON			A CR 20	60
070612	RONALD WILLIAMSON			A CR 549	60
070608	CHARLES GOOD			A CR 552	60
070621	WILLIAM FARMS			A CHICKN	90
070625	CHARLES WHITE	07601040		A CR 553-A	70
070628	DENNARD B	07601060		A	75
070676	ALLEN'S HATCHERY, INC.	07800840		A Chickn	97
072140	RONALD WILLIAMSON	07800920		A CHICKN	62
073362	KENNY COLEBOURE			A CR 549	75
070654	KENNY COLEBOURE			A CR 549	80
074920	LARRY MORRIS	07800980		A CR 553	50
075107	RANDALL HANDY	07801040		A CR 557	45
075145	CLIFFORD J. HERRIDGER			A SHED	50
077321	ALLEN'S HATCHERY, INC.			A Atlant	60
077619	ALLENS HATCHERY/MILLIGAN FARMS			A CR 30	95
078506	ALLEN'S HATCHERY, INC.			A Chickn	270
071129	ALLEN'S HATCHERY, INC.			A CR 557	285
088870	ALLENS HATCHERY/MILLIGAN FARMS	08000840		A CR 78	100

24 records selected.

END: spool off

AR100121

1957 AGENCY NAME	1957 DATE	1957 IN	1957 OUT	1957 IN	1957 OUT
1957 RAY A. TULL	07400900			R #2	20
1957 RAY A. TULL				R #1	20
1957 RAY A. TULL				R SITE22	20
1957 RAY A. TULL				R SITE21	20
1957 JAMES O'DAY, R. JACKSON				R SITE20	20
1957 JAMES O'DAY, R. JACKSON				R SITE21	20
1957 RALPH O'DAY				R CR 549	20
1957 GRACE TULL				R CR 549	20
1957 GRACE TULL				R CR 549	20
1957 GRACE TULL				R CR 78	20
1957 WILLIAM O'DAY				R CR 78	20
1957 WILLIAM O'DAY				R CR 78	20
1957 CARLTON W. JONES JR.				R #3	115
1957 RAY A. TULL				R 20 AC	115
1957 CARLTON W. JONES JR.					
1957 WILLIN FARMS	07400940			R CR 549	
1957 WILLIN FARMS				R CR 549	
1957 RALPH GRAVES				R REFMEL	
1957 WILLIAM C. BRAMBLE				R RT 20	
1957 WILLIAM C. BRAMBLE				R RT 20	
1957 WILLIN FARMS				R PIVOT4	
1957 WILLIN FARMS				R #1	
1957 WILLIN FARMS				R #2	
1957 WILLIN FARMS				R Relanc	
1957 IRVIN E HANDY				R Relanc	
1957 IRVIN E HANDY				R 4	
1957 RELIANCE FARMS				R CR 552	
1957 DONALD S. JOHNSON & SON, INC.				R CR 552	
1957 DONALD S. JOHNSON & SON, INC.				R 5	
1957 RELIANCE FARMS				R CR 549	
1957 WILLIN FARMS					
1957 CLIFFORD J MEREDITH	07501020			R CR 30	
1957 CLIFFORD J MEREDITH				R CR 30	
1957 CLIFFORD J MEREDITH				R R18630	
1957 RALPH O'DAY	07800880 c1			R HOME 1	
1957 WILLIAM O'DAY				R CR 78	
1957 WILLIAM O'DAY				R CR 79	
1957 LEGACY FARMS, INC	07800920			R SITEA1	
1957 LEGACY FARMS, INC				R SITEA2	
1957 JAMES O'DAY, R. JACKSON				R 549+20	
1957 LESLIE E JOHNSON	07800980			R CR 553	
1957 LESLIE E JOHNSON				R CR 553	
1957 ALLEN'S HATCHERY, INC.	07801040			R 4	
1957 DENWARD B				R	
1957 ALLEN'S HATCHERY, INC.				R 5	

2010 AGENCY_NAME	MOD_BRID - MOD_UN W LOCAL ID	MOLE_DEPTH
1558 DEVELOPMENT CO. OF AMERICA	08000980 P CR 250	375
1725 FENCO SERVICE CENTER	P RT 20	390
1835 LP COUNTRY	08201840 P CR 276	80
2713 J A MOORE AND SON	08400500 P RT 20	65
2592 CITY OF SEAFORD	08600920 P TANK	108
4465 CITY OF SEAFORD	P	115

records selected.

L> spool off

AR100123

991 DAVID BAKER	08000920	A YARD	41
999 DONALD LINEWEAVER	08000920	A CR 541	50
915 PATRICK A GAIL FOWNSEND	08000920	A RT 20	55
926 GEORGE H MCCUTCHAN	08000920	A RT 20	56
931 ERLICE VINCENT	08000920	A LOT 24	55
931 L L HASTINGS	08000920	A CR 541	50
949 ALLEN'S HATCHERY, INC.	08001060	A CR 554	0
958 WAYNE CARTER	08001060	A CHICKN	45
963 WAYNE CARTER	08001060	A BRAD	50
9647 ALLEN'S HATCHERY, INC.	08001060 chg	A LLOYD	375
7592 RONALD MESSICK	08001080	A RT 19	40
1069 LEROY ALLEN MESSICK	08001080	A CR 560	48
0002 ROLAND J MASSEY	08200840	A REPWEL	30
1194 RICHARD SIMONS	08200840	A LOT 12/CR 490	32
5096 JIM STURGIS	08200840	A CR 490	60
7823 CHARLES R BELL	08200840	A	70
15825 SCOTT DAVIDSON	08200840	A CR 490A	80
72026 RICHARD KOCHER	08200880	A RD 542	60
94334 LLOYD BEARD	08201000	A CR 555	35
53920 ALLEN'S HATCHERY, INC.	08201000	A HILLFM	71
51 ALLEN'S HATCHERY, INC.	08201000	A HILLFM	72
70 ALLEN'S HATCHERY, INC.	08201000	A CR553A	300
92713 KENNETH DUKES	08400900	A Chickn	50
69210 JOHN C & KATHERINE FISHER	08400980	A CR 555	60
991903 FRED ENGLISH	08600960	A RT 30	70
986505 BEN TULL	08600960	A RT 20	80

26 records selected.

12L> spool off

AR100124

ECID	AGENCY NAME	MOD, GRID, HYD, IN & LOCAL ID	HOLE DEPTH
475	LEGACY FARMS, INC	08000920 c19 R TULL 1	54
1575	CARLTON W. JONES JR.	08000920 R 20/553	45
1574	CARLTON W. JONES JR.	R 20/553	29
1152	WILLIAM RICKS	R CR 547	100
1129	WILLIAM RICKS	R CR 556	100
4383	WILLIAM RICKS	R CR 547	100
9037	DONALD G. JOHNSON & SON, INC.	R 1	101
9330	WILLIAM RICKS	R	115
5892	BILL RICKS	R CR 547	120
9538	CURTIS & DORMAN	08001060 R CR 30	50
6644	ALLEN FAMILY FARMS	R RT 30	119
16137	DALE FIGGS	08201000 R #1	120
16811	ALLEN'S HATCHERY, INC.	R RT 557	120
13064	DALE FIGGS	08400900 R #4	108
13442	DALE FIGGS	R #2	113
77806	BEN TULL	08600960 R RT 20	103

5 records selected.

3L) spool off

AR100125

REC'D AGENCY NAME	REC'D DATE	LOCALITY	CLERK
1575 RUTH T BEERS	12/20/42	D 50-542	0
1576 FRANK SHOCKLEY		D LOT 22	0
1577 RAY BRITTINGHAM		D LOT 23	40
1578 WAYNE PRICE & ERIC M FADGETT		D CR 541	40
1579 RAYSON DICKINSON		D CR 541	40
1580 WAYNE PRICE		D LOT 2	40
1581 BARRY S. HASTINGS		D LOT 27	40
1582 EMMIT E LINENWEAVER		D REFUEL	45
1583 GLENN C & SOLORES BURDEN		D LOT 25	45
1584 VIRGINIA C TULL		D CR 90	45
1585 MICHAEL SHOCKLEY		D BROOKS	45
1586 RALPH ODAY		D CR 541	45
1587 BRIAN HOWARD & ANGELA L HUSTON		D CR 50	45
1588 RUTH T BEERS		D CR 80	45
1589 DAVID L HASTINGS		D CR 541	48
1590 RICHARD L MITCHELL		D REFUEL	50
1591 WALTER PHIPPS		D REFUEL	50
1592 RICHARD HUSTON		D RD 20	50
1593 MARVIN HILL		D RT 20	50
1594 JAMES A WILLEY		D RT 20	50
1595 CLARENCE HUSTON		D CR 80	50
1596 DON MILLER		D LOT 14	50
1597 JOE MILLER		D OFF RT 20	53
1598 ROBERT A OSTROWSKI		D LOT 40	55
1599 BOYD MITCHELL		D LOT 26	56
1600 GEORGE FLEETWOOD		D REFUEL	60
1601 JAMES M WHEATON		D REFUEL	60
1602 ANNA ELRICK		D	60
1603 JAMES I & LINDA S JOHNSON		D LOT 49	60
1604 WAYNE PRICE		D LT 2, BRANCHVIEW	60
1605 JAMES I & LINDA S JOHNSON		D LOT 49	60
1606 D BRUCE VINCENT		D LOT 24	60
1607 ROGER W BREEDING		D RT 50	62
1608 RAY BRITTINGHAM		D REFUEL	65
1609 BRIAN SHORT		D	65
1610 ROLAND R TYNDAL		D LOT 45	65
1611 RALPH ODAY		D CR 541	70
1612 RALPH J & MARGARET ODAY		D CR 541	71
1613 FLORENCE MCCABE JR		D	75
1614 MARVIN SHORTER		D CR 541	75
1615 ARTHUR TULL		D RT 541	75
1616 ROBERT W SCHNEIDER		D LT 177	90
1617 LARRY M PRITCHETT		D CR 612	325
1618 ELMER CRENSHAW	08/00/960	D REFUEL	35
1619 GARY P LEACH		D CR 553	45
1620 SALVATORE CARANNANTE		D CR 556	45
1621 AUBREY T DILLARD		D REFUEL	50
1622 GARY P LEACH		D CR 553	50
1623 ROBERTA FRIEDEL		D	50
1624 PHYLLIS PARKER		D BRIFFE	60
1625 HERBERT FRIEDEL		D RT 547	60
1626 JOSEPH PARKER SR		D RT 20	60
1627 GRIFFIN E CONLEY		D CR 556	62
1628 DONALD G. JOHNSON & SON, INC.		D CR 556	62
1629 DONALD M KING		D CR 553	78

AR100126

AGENCY NAME	MCB_SRI	MCB_JN	MCB_ALID	MCB_DEPTH
1440 JAMES V. HOSER	08000960	D		92
1475 BILL RICKS		D CR 547		120
14725 BRUCE BURTELLE	08010000	D 71-254		45
14940 CARL MESSICK		D 42-254		45
15020 BENJAMIN BLARRIS		D AT 30		50
15254 DIANE MITCHELL		D CR 30		70
15980 ALLEN'S HATCHERY, INC.		D REFMEL		110
16045 RONALD L. JOHNSON	08001080	D 554-30		0
16045 HOWARD ABBOTT		D REFMEL		40
16077 MARVELL WALKER		D CR 30		40
16086 LEROY PITTMAN		D REFMEL		40
16102 LEROY PITTMAN		D REFMEL		42
16187 BETTY PITTMAN		D CR 18		45
16255 SHARON ROACH		D RD 30		50
16262 TYRONNE WEST		D CR 30		50
16925 DAVID B BEARD		D		60
16985 JOHN W CAMP		D 18-30		63
17891 OWEN C. FURNELL JR.		D REFMEL		65
18249 LEROY DENNIS		D CR 18		80
18613 ELIZABETH MATONE		D RT 30		52
18848 DANIEL BECKER	08000840	D REFMEL		35
18905 RHEA M. LONGSTREET		D LOT 29		40
18907 DAVID FLUMARTY		D REFMEL		45
18989 RALPH LORD		D REFMEL		50
19022 FRANK B HORN JR		D CR 536		50
19046 THEODORE R HICKEY		D CR 536		55
19083 LEE LITTLETON		D LOT 8		55
19095 DELMAR FEED MILLS		D LOT 5/CR 536		58
19099 JOHN L CONNER		D REFMEL		60
19136 WOLFIN E SHULER		D CR 536		60
19178 ALTON S. LANKFORD		D LOT 22/45 536		60
19207 JUNIOR E ARMIGER		D CR 490 RIVER DR		60
191516 RICHARD REDHILL		D CR 536		60
198535 CLYDE WALKER		D REFMEL		63
191552 LARRY CROWDER		D		65
190412 ROBERT CLARKS		D CR 490		66
197751 MARION WILEY		D		70
198422 WELDON HARPER		D LOT 14		70
196029 FREDDIE B THOMAS JR.		D CR 536		75
197508 LEROY M. ALLEN		D CR 536		75
197982 ROBERT N. & MARCIA LISLE		D CR 536		80
190711 RICHARD SIMONS		D LOT 12/CR 490A		80
197119 EDWARD L WARREN SR		D CR 536		90
197729 THEO HICKEY		D CR 536		92
191620 DOUG WILLIAMS		D LOT 107		100
191079 DANIEL C DEMAREST	08200880	D CR 541		0
192092 WILLIAM T DAVIS		D CR 80		0
190490 REGINALD GILLESPIE		D CR 541		35
194336 RONALD MITCHELL		D CR 541		40

AR100127

AGENCY NAME	REF ID	LOCAL ID	CLASS
7111 CRAIG TRUETT	08200880	D CR 541	42
7112 RONALD A GILLESPIE		D CR 536	45
7113 LAM CARSON		D	48
7114 FORD HOPKINS		D	48
7115 LAM MASSEY		D REPWEL	51
7116 ALFRED T BOWEN JR		D CR 541	53
7117 MELVIN MILLIGAN		D CR 541	53
7118 NICOLA V WILLIAMS		D 541-80	55
7119 DONALD DIEHL		D CR 541	55
7120 GLORIA J BOLSEN		D RD 541	60
7121 CLIFFORD M HOWARTH		D CR 541	60
7122 BARBARA NANCARRON		D CR 536	60
7123 FRANK L WILSON		D CR 536	60
7124 JOAN RICHARDS		D CR 541	60
7125 RONALD T MOORE		D 20-541	65
7126 DAVID L HASTINGS		D CR 542	65
7127 CONNIE LUNAGUIST		D CR 536	70
7128 RICHARD BAKER		D RT 80	70
7129 GEORGE H. TULL		D CR 541	75
7130 WILLIAM H JACKSON			
7131 TIMOTHY J COOPER	08201000	D CR 557	0
7132 JOANNE DAVIS		D REPWEL	42
7133 DEANETTE ENGLISH		D RD 557	45
7134 JAMES P LOCKE		D CR 553A	50
7135 KEVIN & KIM SCHIEFERSTEIN		D	50
7136 HARVEY S DENNY		D CR 553A	50
7137 GARY MORRIS		D RT 553	60
7138 JOHN FISHER		D	60
7139 SHIRLEY B BOWDEN		D CR 547	60
7140 CLAYTON L & RUTH TOWNSEND		D CR 547	68
7141 HELEN M MOORE	08400900	D LOT 7	45
7142 FANNY IMLAY		D RD 80	50
7143 HELEN M MOORE		D LOT 7	50
7144 BOBBY R PARKER JR		D CR 536	50
7145 ROBERT MCKELVEY		D CR 542	60
7146 ROBERT CANNON		D CR 80	60
7147 HOWARD JOSEPH		D LOT 10	65
7148 STEVEN L DUFFY		D CR 542	65
7149 DONAD MITCHELL		D CR 536	70
7150 DELMAR FEED MILLS		D REPWEL	72
7151 MYRTLE L. BECKTEL		D LOT 7	80
7152 JAMES MICHAEL KEARNEY		D REPWEL	83
7153 ERB LITCHFORD JR			
7154 JOANN NIXON	08400780	D CR 555	40
7155 THOMAS R YOUNG		D CR 547	50
7156 NORMAN GRIFFITH	08600900	D LOT 6/CR 536	50
7157 DELMAR FEED MILLS		D LOT 7/CR 536	60
7158 KENNETH W FOSKEY		D CR 536	60
7159 JOE A HARROLD		D CR 556	65

ARI00128

AGENCY NAME	MOD, BRID, HYD, ON, W, LOCAL, ID	HOLE DEPTH
EARLENE HENDRICKSON	08600960	D REFUEL 75
JEFFERY TODD		D CR 556 55
ROGER BREEDING		D 50
KENNETH DUKES	08600960	D 556-50 50
CECIL TULL		D CR 547 50
JEFF ELLIOTT		D REFUEL 60
H A STEELE		D RT 30 60
HOWARD STULL		D CR 547 60
WILLIAM RICKS		D RT 30 60
SIDNEY AYEAS		D CR 30 75
KENNETH MERRYMAN		D LOT 151 100
JERRY & SANDY HARRIS		D LOT 21/CR 556 110

records selected.

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AR100129

AGENCY NAME	REF ID	REF ID	REF ID	REF ID
ROBERT SPAER	0200000	0 CR 550	40	
WYNNE JONES		0 CR 554	50	
WILLIAM M. BELL		0 CR 554	50	
FLYNN THOMPSON	0200000	0 REFUEL	75	
GEORGE DUKLES		0 CR 554	40	
FRANK ABBOTT		0 RT 18	45	
PAY STACKWICK		0 RD 18	45	
JACK EBNEY		0	46	
DENWARD R HILL		0 CR 554	50	
LEFQY ALLEN MESSICK		0 CR 560	50	
JAMES B. STEVENSON		0 CR 554	55	
FREDERICK L. NEIDLINGER		0 REFUEL	56	
SPENT A MARINE		0 LOT 8	58	
RONALD L. MESSICK		0	60	
SCOTT SHERA		0 RD 554	60	
BRUCE GRAVES		0 LOT 7/CR 554	60	
TOWNSEND AUSTIN		0 REFUEL	60	
REALAMERICA DELAWARE INC.		0 CR 554	60	
ROBERT BAER		0 CR 560	65	
MICHAEL L. & MELODY WINGLER		0 RT 18	70	
GLEN CASE		0 CR 554	70	
WILLIAM COULEK	0200000	0 LOT 32	75	
DONALD EISENBERG		0 REFUEL	85	
RAY L. VALTERIS		0 LOT 10	90	
RICHARD H. KNOTTS		0 CR 490	90	
LEON A. GOSLEE, JR.		0 CR 490-A	90	
ROBERT FIGGS		0	95	
DAVID SPENCER		0 LOT 8	95	
DONALD EISENBERG		0	95	
HELEN M. MOORE		0	95	
JOHN M. SANDY		0 CR 490A	95	
KENNETH MARTIN		0 LOT 5	95	
CHARLES D. BALL		0 CR 490A	95	
GEORGE L. RUFF		0 REFUEL	95	
CARL POBST		0 CR 487	95	
ROBERT FIGGS		0	95	
JOHN H. BERTELS		0 LOT 14	95	
ROBERT FIGGS		0 CR 490A	95	
HOWARD ADKINS		0	95	
MORRIS M. WINDSOR		0 REFUEL	95	
JAMES E. STURGIS		0 CR 490A	95	
STEVE GILES		0 78+490	95	
PAUL & DONNA BENVINGTON		0 LOT 15	95	
CHARLES & BARBARA FLEETWOOD		0 CR 490A	95	
DR. RICK SIMONS		0 RD 490A	95	
NICHOLAS NICOLISTAS		0 CR 490A	95	
LEON W. CROSS		0 CR 490A	95	
CLYDE WALKER		0 REFUEL	95	
JERRY MURPHY		0 1240RE	95	
GARY E. PASSWATERS		0 RD 490A	95	
CHARLES MCLEOD II		0 K1-gCt	95	
MAYA AGARWAL		0 REFUEL	95	
WILLIAM E. LLOYD JR		0 REFUEL	95	

AR100130

REC'D	AGENCY NAME	MCQ_BRIE	HYE_VN	LOCAL ID	HOLE_DEF
1447	DANIEL SCHREFFLER	08800840		D RT 17	20
1447	ROBERT BOVE			D REPWEL	20
1447	SPALCE P JOHNSTON			D LOT 67	20
1447	MICHAEL S CHERRI			D RD490A	20
1447	WILLIAM FARMERSE			D REPWEL	20
1447	LINDA ROEFELICH			D LOT 38	20
1447	LARRY F FINK			D CR 490	20
1447	CHESTER S HARRISON			D RD 490	20
1447	JOHN C PAINTER			D Lt 4+2	70
1447	FRED HERTRICH			D RD 490, LT13614	70
1447	ERICK MESSICK			D	70
1447	DEL MARVA PROPERTIES INC			D CR490A	74
1447	DEL MARVA BUILDERS			D LOT 64	75
1447	JOHN C PAINTER			D Lt 4+2	20
1447	JOHN BERTELS			D CR 490-A	20
1447	DEANE & MATTHEW SPICER			D RD 490	20
1447	ED TRUITT			D RIVER	90
1447	JAMES PRICE			D LT 67, RD 490-A	90
1447	JAMES C ROMINC			D LOT 10	95
1447	JAMES HUFFMAN			D CR 487	97
1447	JOHN CONCORAN			D REPWEL	98
1447	RUSS MURPHY			D CR 490	100
1447	PATRICK & MELINDA BRETT			D CR 487	338
1447	KEN SWARTHOUT	08800980		D REPWEL	0
1447	RICHARD & CAROLYN MASSEY			D LOT 25	0
1447	FRANK PASWATERS			D	40
1447	DAVID E MCNATT			D 30+554	45
1447	LARRY HARRISON			E 65+66	45
1447	RON RUARK			D REPWEL	50
1447	CHARLES T O'BRIEN JR			D LOT 44	50
1447	WILLIAM J BIDDLE			D 145846	50
1447	MIKE RYAN			D CR 30	50
1447	RUTH P SMITH			E CR 30	50
1447	KEN SWARTHOUT			D REPWEL	54
1447	CURTIS E HARPER JR			D LOT 29	55
1447	KEVIN MASON			D CR 543	55
1447	DWAYNE TAYLER			D LOT 31	55
1447	CALVIN WHEATLEY			D DOGWOOD	58
1447	STANLEY MASON			D LOT 52	60
1447	WAYNE SIMPLER			D LOT 27	60
1447	KENNETH MERRYMAN			D LOT 45	60
1447	ALLEN & JENNY BROWN			D LOT 2/CR 30	60
1447	J WALTER MCCABE			D DOGWOOD	60
1447	H A STEELE			D RT 30	60
1447	JAMES J & CRYSTAL G ABSHER			D LOT 34	60
1447	RICHARD SELLERS			D 3/4 AC	60
1447	E CARLYLE WINDLY			D 1000499	60
1447	ALAN LUEDTKE			D CR 30	60
1447	CURTIS HARPER			D RT 20	60
1447	PAUL L BISHOP			D HERITAGE DR	60
1447	LORETTA KOSKI			D CR 543	60
1447	CHARLES L HASTINGS			E LOT 2	60
1447	ROBERT W MARINE-			D REPWEL	60
1447	TED PETERSON			D REPWEL	60
1447	HELEN P MOYNIHAN			D LOT 16	60

AR100131

FEIN AGENCY NAME	MO, YEAR	MO, YEAR	MO, YEAR
122 BILL SPORN	08/19/80	D REPWEL	41
1222 CHARLES H SPENCE		D LOT 24	42
1222 WALTER SODENS		D LOT 27	42
1222 W. W. JOFFER		D LOT 28	42
1222 JAMES A. PERI		D LOT 29	42
1222 JAMES W. WERS JR		D LOT 30	42
1224 THOMAS J. COOPER		D LOT 31	42
1229 DALE STRONIMAYER		D LOT 32	42
1229 DELMARVA BUILDERS		D RT 30	75
1229 WALTER MESSICK		D CR 30	75
1272 FIRST NATIONAL BANK OF MD.		D REPWEL	78
12602 J. T. TODD JR		D	75
12602 JOSE GONTANG		D RT 30	80
12618 DAVID KIDDER		D RT 30	80
12618 DR. FRED TORREY		D ATLANTIC/LT16	80
12623 DORIAN LTD		D LOT 12	80
12626 JOHN HERRMANN		D CR 30	80
12626 JOSEPH MATRICCINO		D 25X25	80
12626 VILAS S. BAKER		D L47X48	88
12642 ROBERT W. ALLEN	12	D REPWEL	90
12649 RON HEIN		D CR 30	90
12692 ASHOK CHAMPANERICA		D CR 543	98
12692 JAMES E. RAHEIN		D LOT 909	100
12692 E. E. GUM		D LOT 135	100
12725 HARVEY BRANDNER		D LOT 35	107
12639 J. SCOTT JAMES C/O MR. CAREY SCOTT J		D ROBIN	120
12655 HOWARD KENDALL		D CR 30	120
12655 DAVID KIDDER			
12717 RONALD C. JEETER	08/01/80	D CR 543	40
12722 ROBERT ROOD		D CR 544	45
12722 GERALD SEARS		D CR 544	48
12750 WAYNE MILLIGAN		D RT 30	50
12751 ELIZABETH HIGGINS		D CR 543	50
12751 WILLIAM MULDER		D RD 30	60
12751 DONALD CRANFIELD		D CR 543	61
12751 RICHARD FARRIS JR		D REPWEL	75
12751 ARCY PASSWATERS		D DEL 20	90
12751 FREDDIE B. THOMAS JR		D REPWEL	95
12824 CHARLES C. ALLEN III	09/01/80	D REPWEL	78
12745 DAVID CALLAWAY		D RT 18	50
12745 BUE W. MEESE		D CR 561	50
12745 JOHN W. MILLER JR		D RT 18	50
12745 DAVID R. SMITH		D REPWEL	60
12745 MARYLOU BIRD		D REPWEL	60
12745 LAURA TINGLE		D CR554	60
12745 EDWARD BURTON		D RT 18	65
12745 RON BURKLEW		D CR 561	50
12745 ALLEN'S HATCHERY, INC.		D CR 561	90
12745 GRADE L. ASH		D CR 544	100
12745 JOE BARONE		D RT 18	110
12745 ALLEN'S HATCHERY/TRIVITS FARM		D CR 560	290

AR100132

AGENCY NAME	CD 3511	CD 3512	CD 3513	CD 3514
GEORGE H WEST	07200880	D REPWEL	60	
JEFFERY BLACUM		D CR 490 LOT 61	60	
DAVID BUCHERT		D LOT 24	60	
MICHAEL J JOSEPH		D LOT 2	60	
JAMES E MARTIN		D CR 490	60	
CHARLES L BARBARA FLEET WESS		D CR 490	60	
JAMES F RUFF		D LOT 27	60	
M ALLEN TICE		D CR 487	60	
BILL WEBB		D CR 490	60	
JUNIOR E ARMIGER		D LOT 77/CR 490	60	
BRUCE R JOHNSON		D LOT 67	60	
ALLEN W DUNN		D LOT 49	60	
CLIFFORD THOMAS		D LOT 56	60	
FELIX GATES		D REPWEL	60	
DURDIS DAVIDSON		D REPWEL	60	
GERNE BULLENBURGER		D REPWEL	60	
ALTON L CALLAWAY		D REPWEL	60	
CLAUDE MASSEY		D CR 490	62	
CLARENCE MILLIGAN		D	63	
WILSON FIGGS		D LOT 1	63	
VINCENT A FINOCCHIO		D LOT 2	63	
ROBERT A MARILYN BONDURANT		D LOT 70	65	
JAMES E AGEE		D LOT 38	65	
JIMMY PARSONS		D	65	
JEFFREY R LEATH		D CR 490	66	
RUSSELL A WELLS		D LOT 52	70	
JEFFERY BLACUM		D CR 490 LOT 61	70	
JUNIOR E ARMIGER		D LOT 38/CR 490	70	
JAMES C FARMER		D CR 487	78	
WAYNE SIMPLER		D REPWEL	80	
THEODORE MITCHELL		D CR 490	80	
ELLY P DAVIS		D CR 487	80	
W. RAY PETTIE		D RT 13A	80	
DAVE STERRETT		D CR 490	85	
JUNIOR E ARMIGER		D LOT 16/CR 490	95	
WILLIAM FARMALÉE & SARAH GILCHREST		D OFF RT 490	100	
HARVEY SIMPSON		D CR 490	101	
WILLIAM FARMALÉE & SARAH GILCHREST		D OFF RT 490	102	
KENNETH GARRETT		D LOT 72	110	
EDWARD LAVELLE		D CR 490	360	
RICHARD LLOYD	07200900	D	40	
RAY HAMMOND		D RT 13A	40	
JAMES E WILLIAMS		D LOT 2	40	
MIKE TULLY		D REPWEL	43	
J WILLIAM ROYAL		D REPWEL	43	
HAROLD S McTEER		D RT 20	55	
HARRY JAMES		D REPWEL	55	
ALICE WILLEY		D REPWEL	60	
MARIE BENNETT		D RT 20	60	
WILLIAM G NEAL JR		D US 13A	60	
DAVID B WEBB JR		D LOT 2	62	
VINCENT A FINOCCHIO		D LOT 16	63	
BONNIE A MILLS		D REPWEL	70	
EDWARD L WINDSOR		D CR 488	70	
DAVID B WEBB JR		D CR 20	70	

AR100134

REC'D AGENCY NAME	REC'D DATE	HYD. JN. & LOCALID	MOLE DEF
09210900	D RIVER	75	
09210900	D	75	
09210900	D CR 488	50	
09210900	D LOT 10	50	
09210900	D ALT 10	50	
09210900	D	50	
09210900	D LOT 4	100	
09210900	D RT 10	105	
09200920	D FRONT	45	
09200920	D US 10	60	
09200920	D 7TH ST	70	
09200920	D REPWEL	85	
09200920	D PINE	100	
09200940	D REPWEL	36	
09200940	D ROBINS	50	
09200940	D CR 536	60	
09200940	D LOT200	100	
09200940	D OFF CR 20	115	
09200960	D REPWEL	0	
09200960	D RT 20	45	
09200960	D REPWEL	55	
09200960	D REPWEL	55	
09200960	D NFRONT	57	
09200960	D REPWEL	60	
09200960	D LOT 22	63	
09200960	D NYLON	65	
09200960	D REPWEL	67	
09200960	D RT 20	70	
09200960	D REPWEL	72	
09200960	D LOT 22	72	
09200960	D RT 639	80	
09200960	D NYLON	85	
09200960	D CR 543	110	
09200960	D LOT 20	120	

317 records selected.

121 records selected.

ARI00135

FEEDS	AGENCY NAME	FEEDS	AGENCY NAME	FEEDS	AGENCY NAME
0004	EUGENE FRANCESCHI	0004	EUGENE FRANCESCHI	0004	EUGENE FRANCESCHI
0007	EUGENE FRANCESCHI	0007	EUGENE FRANCESCHI	0007	EUGENE FRANCESCHI
0008	WAYNE CLARE	0008	WAYNE CLARE	0008	WAYNE CLARE
0140	ERIC FOSTER	0140	ERIC FOSTER	0140	ERIC FOSTER
00472	BRUCE GRAVES	00472	BRUCE GRAVES	00472	BRUCE GRAVES
00921	RONALD L. MESSICK	00921	RONALD L. MESSICK	00921	RONALD L. MESSICK
00559	RONALD L. MESSICK	00559	RONALD L. MESSICK	00559	RONALD L. MESSICK
00796	WILMER LAMMAN	00796	WILMER LAMMAN	00796	WILMER LAMMAN
07587	GARY PHILLIPS	07587	GARY PHILLIPS	07587	GARY PHILLIPS
08251	GEORGE E. LITTLETON	08251	GEORGE E. LITTLETON	08251	GEORGE E. LITTLETON
08252	GEORGE E. LITTLETON	08252	GEORGE E. LITTLETON	08252	GEORGE E. LITTLETON
08701	FRANK WILLS	08701	FRANK WILLS	08701	FRANK WILLS
08702	FRANK WILLS	08702	FRANK WILLS	08702	FRANK WILLS
088250	GEORGE E. LITTLETON	088250	GEORGE E. LITTLETON	088250	GEORGE E. LITTLETON
088607	GARY PHILLIPS	088607	GARY PHILLIPS	088607	GARY PHILLIPS
072000	ROY HORN	072000	ROY HORN	072000	ROY HORN
08514	RICHARD N. WATSON	08514	RICHARD N. WATSON	08514	RICHARD N. WATSON
07277	BOB LAFRAD	07277	BOB LAFRAD	07277	BOB LAFRAD
082058	RON HULLIGER	082058	RON HULLIGER	082058	RON HULLIGER
082645	FRED HERTRICH	082645	FRED HERTRICH	082645	FRED HERTRICH
086272	BRET NICHOLS	086272	BRET NICHOLS	086272	BRET NICHOLS
090790	FRED HERTRICH	090790	FRED HERTRICH	090790	FRED HERTRICH
090961	FRED HERTRICH	090961	FRED HERTRICH	090961	FRED HERTRICH
085474	H & H STABLES	085474	H & H STABLES	085474	H & H STABLES
085474	JOHN THEOPHILES	085474	JOHN THEOPHILES	085474	JOHN THEOPHILES
070779	VAUGHN BAKER	070779	VAUGHN BAKER	070779	VAUGHN BAKER
071243	JAY MILLIGAN	071243	JAY MILLIGAN	071243	JAY MILLIGAN
081135	LEONE BLACUM	081135	LEONE BLACUM	081135	LEONE BLACUM
070139	LARRY W. RUST	070139	LARRY W. RUST	070139	LARRY W. RUST
081359	GENE BLEALE	081359	GENE BLEALE	081359	GENE BLEALE
082833	WAYNE CARTER	082833	WAYNE CARTER	082833	WAYNE CARTER
087912	ALLENS HATCHERY/MILLIGAN FARMS	087912	ALLENS HATCHERY/MILLIGAN FARMS	087912	ALLENS HATCHERY/MILLIGAN FARMS
083719	ALLEN'S HATCHERY, INC.	083719	ALLEN'S HATCHERY, INC.	083719	ALLEN'S HATCHERY, INC.
081745	ALLENS HATCHERY/TRIVITS FARM	081745	ALLENS HATCHERY/TRIVITS FARM	081745	ALLENS HATCHERY/TRIVITS FARM
080158	ALLEN FAMILY FARMS	080158	ALLEN FAMILY FARMS	080158	ALLEN FAMILY FARMS
080987	ALLEN'S HATCHERY, INC.	080987	ALLEN'S HATCHERY, INC.	080987	ALLEN'S HATCHERY, INC.
067758	GEORGE E. LITTLETON	067758	GEORGE E. LITTLETON	067758	GEORGE E. LITTLETON
067759	D. BRENT NICHOLS	067759	D. BRENT NICHOLS	067759	D. BRENT NICHOLS
074140	DOUGLAS MORGAN	074140	DOUGLAS MORGAN	074140	DOUGLAS MORGAN
080791	STEVEN D. HENRY	080791	STEVEN D. HENRY	080791	STEVEN D. HENRY
083249	RICHARD DAVIS	083249	RICHARD DAVIS	083249	RICHARD DAVIS
083249	LAUREL SADDLE CLUB	083249	LAUREL SADDLE CLUB	083249	LAUREL SADDLE CLUB
071210	FRED MARTIN O'NEAL	071210	FRED MARTIN O'NEAL	071210	FRED MARTIN O'NEAL
071210	STEVE GLENN	071210	STEVE GLENN	071210	STEVE GLENN
072223	FRED MARTIN O'NEAL	072223	FRED MARTIN O'NEAL	072223	FRED MARTIN O'NEAL

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INSTRID	AGENCY NAME	WCD, SITE	WCD, LN #	LOCAL ID	HOLE DEPTH
79244	CHICK ERNESTO	09200980		A CR 490	0
79247	JAMES C FARMER			A CHICKN	75
80741	JOSEPH E DAVEN			A CR 490	40
87878	STEVE BROCK			A SEVENTH STREET	40
190385	GARY PASSEWATERS			A CR 490	45
191829	WAYNE SIMPLER			A CR 490	45
162829	STEVE GLENN			A Chickn	50
188185	HERB FREEMAN			A LOT 29	50
186996	GRACE G MILLER			A CR 490	50
171705	RHONALD JERNIGAN			A CR 490	50
165608	JAMES C FARMER			A Barn	50
162853	STEVE GLENN			A Chickn	50
174882	JAMES E AGEE			A LAWN	65
142515				A GRACE CIR, LOT 14	68
190814	CHARLES E RILEY JR			A CR 490	70
178243	LLOYD DABELL			A CR 490	80
178682	CHARLES E MOORE	09200900		A	50
187037	DAVID B WEBB JR			A RT 13	50
162541	TERRY WILSON	09200920		A Lawn	50

4 records selected.

SQL> spool off

AR100137

1010 AGENCY NAME	00000000000000000000	00000000000000000000	00000000000000000000
1010 WILLIAM R. LEE	0000000000	R CR 500	100
1010 J. PETER	0000000000	R CR 500	100
1010 J. PETER	0000000000	R CR 500	100
1010 ROBERT J. WHEATLEY	0000000000	R CR 500	100
1010 WILLIAM E. LLOYD JR	0000000000	R CR 500	100
1010 EDWARD & ALVIN CRANSTON	0000000000	R LOT 24/R7 13A	100
1010 WALTER MESSICK	0000000000	R RT 20	70
1010 RICHARD W. MILLER	0000000000	R RD 547	70
1010 RICHARD W. MILLER	0000000000	R	70
1010 RAY S. MEARS & SONS, INC	0000000000	R ALT 10	100
1010 ALLEN'S HATCHERY, INC.	0000000000	R 1	100
1010 DALE FIGGS	0000000000	R #3	118
1010 ALLEN'S HATCHERY, INC.	0000000000	R RD 546	75
1010 CHARLES C. ALLEN III	0000000000	R CR 546	95
1010 STEVE GLENN	0000000000	R CR 185	60
1010 JAMES F. MILLS	0000000000	R CR 487	70
1010 JAMES F. MILLS	0000000000	R 75-493	50
1010 JAMES F. MILLS	0000000000	R CR 487	93
1010 JAMES F. MILLS	0000000000	R #3	98
1010 FRED MARTIN O'NEAL	0000000000	R #5	100
1010 FRED MARTIN O'NEAL	0000000000	R CR 78	100
1010 FRED O'NEAL & SONS	0000000000	R #4	102
1010 FRED MARTIN O'NEAL	0000000000	R #1	105
1010 FRED MARTIN O'NEAL	0000000000	R RT 493	135
1010 LAKESIDE FARMS TILLER JOHN HASTINGS	0000000000	R RT 493	135
1010 RALPH GIVENS	0000000000	R #1	109
1010 CHARLES E. MOORE	0000000000	R Lawn	50
1010 ER. CHAS. F.	0000000000	R #1	80
1010 FRANK WORKMAN	0000000000	R RT 13A	100
1010 W. L. GIPPLE	0000000000	R Chicken	60
1010 RAY S. MEARS & SONS, INC	0000000000	R ALT 10	120

70 records selected.

100 off

AR100138

INVEST	AGENCY NAME	MOB_BRID	MOB_LN	LOCAL ID	OLE_DEPTH
040101	TOWN OF BLADES	06800840		P 2W01	75
040102	TOWN OF BLADES			P 2W02	75
040103	TOWN OF BLADES			P 2W01	110
050477	SEAFORD C.M.A. CHURCH	06800980		P Church	15
060673	ALLENS HATCHERY/MILLIGAN FARMS	09001060		P CR 544	56
060930	ALLENS HATCHERY/MILLIGAN FARMS			P CR 544/CR 561	65
070707	DELAWARE ARMY NATIONAL GUARD			P CR 546	70
092275	NIGHT OF COLOMBUS	09200880		P RT 13-A	60
053067	COCK & BULL PACKAGE STORE & TAVERN	09200900		P R13&20	40
053068	COCK & BULL PACKAGE STORE & TAVERN			P R13&20	40
073626	DAVID B WEBB JR			P CR 481	78
077406	CITY OF SEAFORD	09200920		P WM PON	98
078156	CITY OF SEAFORD			P HALL	132
010336	CITY OF SEAFORD	09200940	clg	P 4SPRUC	90
010333	CITY OF SEAFORD		cl	P 3	104
010322	CITY OF SEAFORD		clg	P 2	115
056265	CITY OF SEAFORD	09200960	clg	P 1A	114
049542	CITY OF SEAFORD			P RANGE	118
050330	CITY OF SEAFORD			P	118
050331	CITY OF SEAFORD		clg	P FOOL	119

20 records selected.

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AR100139

REC'D AGENCY NAME	MOE BRID HYD LN # LOCALID	POLE DEPTH
75078 JENOVAN'S WINESS	09400840	F CR 485 80
75079 WAYNE SIMPES CITY OF SEAFORD	09400940	F ST 30 100 F CR 125
75559 HERR FLOODS INC	09400960	F ST 12 90 F LOT 59 109
75453 LARRY E. WILLEY		
75575 E.D. SCHIVE	09400960	F ST 12 50 F REPMEL 55
75591 W M RENTALS - WALTER MOSLEY		F RD 12-A 95
092141 SEAFORD MOOSE LODGE		F AT 13A 110
072667 CITY OF SEAFORD		F 297
051445 FLAGSHIP RESTAURANT		
085330 TIDEWATER UTILITIES, INC.	09601060	F WELL 2 110
085019 TIDEWATER UTILITIES, INC.		F WELL#1 121

12 records selected.

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AR100140

INREC'D AGENCY NAME	MOB. #	MOB. #	MOB. #
147806 STEVE ELEAN	1940/940	1 CR 487	3
148000 RAY L. HARRIS		1 REPWEL	22
147701 DAVID A. BAILEY		1	1
148007 JES. HOL		1 CR 488	40
148011 RALPH WILLIAM ALLEN		1 CR 174	45
148020 E. A. JENSEN		1 REPWEL	45
148026 BRUCE WARD		1 CR 17	45
147707 ROSE MARIE ROBINSON		1 CR 200	45
147708 ROSE MARIE ROBINSON		1 CR 200	45
148030 WILLIAM H. MORGAN JR.		1 REPWEL	48
148742 MICHAEL E. BOWERS		1 CR 13	50
148001 ROLAND J. SAMMONS		1 REPWEL	55
148305 RICHARD FORSTER		1 CR 488	60
148994 RALPH W. ALLEN C/O NEWTON HOMES		1 CR 11	60
148203 GEORGE J. & GRACE CUSTING, SR		1 CR 134	60
147905 RALPH WILLIAM ALLEN		1	60
147303 JOHN F. & CATHY MCCLAUGHLIN JR.		1 CR 425	60
148079 JACK WILSON		1 REPWEL	62
147909 FRED O'NEAL		1	65
148742 TIMOTHY & SHIRLEY MARKS		1 CR 134	65
148207 TEX K. & THEODORA KOUNTZ		1 CR 487	73
147364 DAVID A. BAILEY		1 CR 485	85
147905 PETER SINGLETON		1 CR 485	102
088303 ED TAYLOR	09400920	1 HOLLYDAK DRIVE	60
088524 INREC-AIR & WASTE MANAGEMENT-LUST		1 CR 20	105
086525 INREC-AIR & WASTE MANAGEMENT-LUST		1 CR 20	105
060449 AUDREY L. DAVIS	09400940	1 REPWEL	60
061278 GARRETT MOSELEY		1 REPWEL	66
076384 MICHAEL & ROSEMARY EVERTON		1 PINE	90
076328 IRENE LEONARD		1	100
074713 EVA MACDOUGLE		1 CR	100
050286 JOHN A. MOORE JR.	09400980	1	40
086633 FRED HAZELTINE		1 CR 134	44
062508 LOUIS O. BOWDEN		1 CR 544	50
074506 ESTALE WHITE		1	50
092402 ROBERT SHORT		1 CR 544	50
067591 JIMMIE F. HIXSON		1 CR 134	50
082387 STEPHEN SALLOS		1 SHORE	52
142452 W. KEYS CHAMBERLAIN SR		1 REPWEL	53
086908 EDWIN CADE		1 CR 134	55
088400 WILLIAM B. BOYER		1 REPWEL	60
177631 THOMAS RIGBY JR.		1 CR 544	60
069055 CARLTON F. HENRY		1 CR 13-	75
067137 RAY S. KEARS & SONS, INC.		1 REPWEL	79
061154 HENRY C. TIFFT		1	80
081001 CUSTIS/HENRY B. MCNEILLY		1 CR 274	90
075464 CALVERT PRIESTLEY		1 CR 99	105
087647 GARFIELD R. WATSON		1 CR 8/SEC. F	129
169499 DAVID PEARSON	09401040	1 CR 6	0

AR100141

INSTR	AGENCY NAME	REG. NO. & LOCAL ID	REG. SECT
05080	DAVID B. BEARD	0940040	D RD 54
05099	ESTHER M. MELVIN		D
05107	DAVID FRIEDBERG		D CR 544
05108	SERVICE INCORP		D CR 544
05109	JAMES NEAL		D ALT 12/OLBY RD
05110	KEVIN & LAUREL WILLINK		D ALT 117
05111	STANLEY POWELL		D REPWEL
05149	JAVINE L. JOHNSON JR		D REPWEL
05170	CHARLES WALL		D LOT 178 & 146
05180	MICHAEL T. CORNEY		D CR 546
05184	SARAH R. FOULKE		D CR 544
050237	BARTFIELD R. WATSON		D LOT 7-8
05185	GEORGE MORRIS		D CR 546
05188	FRED BEIFERT		D LOT 9
05230	GEORGE MORRIS		D REPWEL
05236	SCOTT BORDERS		D CR 544
05246	RAWLINS H. GRIFFITH		D SHOROR
05249	FRED BEIFERT		D LOT 10
05293	PAUL WINANS		D LOT 24
050185	KEVIN & LAUREL WILLINK		D LOT 18
050184	KEVIN & LAUREL WILLINK		D LOT 19
050847	RENE R. WELLS		D ALT 12
050750	ERNEST S. MESSICK		D CR 544
050726	KEVIN & LAUREL WILLINK		D ALT 12
05235	RAWLINS GRIFFITH		D LOT 1
050900	JIM MESSICK		D CR 18
050992	EDWARD W. CANNON		D REPWEL
051495	KATHY HARDESTY		D LOTS 20&21
050657	ANNA MARIE MORRIS		D CR 544
051000	JOSEPH R. MEYDECK		D LOT 11/CR 46
051000	THOMAS W. ARNEY		D L11+12
051414	GLENN MURPHY		D RT 13A
050508	ESTOLE B. WHITE, JR.		D LOT 19/CR 45
050004			D CR 18
050068	JIM RUARK		D LOT 9
053291	WILLIAM HANKINS	09600800	D
050719	WILLIE C. HUFFMAN		D REPWEL
053328	FRANCIS ONEAL		D RT 13A
058451	PARKER WHEATLEY		D REPWEL
059217	ED MARVIL		D REPWEL
067294	GORDON RAMEY		D REPWEL
055552	LONNIE B. CAUDILL		D
057472	PAUL H. AGUILLO		D
050957	JADE RUN SOD FARM		D LOT 7
050954	JADE RUN SOD FARM		D LOT 5/CR 493
057025	E. JEAN LOGAN		D REPWEL
057251	GEORGE DENNEY		D MainSt
054609	SERVY B. MATZIKO		D LOT 32
050334	DENNIS HEARN		D CR 493
052654	MICHAEL BOTDORF		D CR 493
050000	WILLIAM GOONER	09600860	D
050000	JOSEPH HOLT		D RD 485
050000	KENNETH WHALEY		D CR 485

AR100142

AGENCY NAME	CO, BRD HYS, IN, LOCALID	OLE, DEPT
15558 HOWARD DAVIS	09600800	D REPWEL 42
15671 GEORGE L TRUITT		D REPWEL 42
15677 EVERETT FLEETHOOD		D ALT 12 45
15721 CR CHAS. R		D ALT 1 45
15721 DOUGLAS FISHOUR		D ALT 1 45
15775 JOHN C & CATHERINE FISHER		D REPWEL 50
15788 CHARLES E MOORE		D ALT 13 50
15836 REBEL M HORNE		D CR 489 50
15867 JACK DEAN		D REPWEL 50
15870 JOHN TAYLOR		D REPWEL 50
15875 JAMES R HORNE		D CR 488 52
15810 TIMOTHY COLEMAN		D CR 488 57
15854 MARIAN H WETTER		D REPWEL 60
15862 RICHARD A FOSTER		D LOT 9 60
15817 MARVIN STEELE		D ALT 12 60
15806 LEE T ARINGTON		D CR 485A 64
15825 RICHARD C PASSWATERS		D CRABER 73
15876 JOHN H HASTINGS		D IS A 74
15814 IRA WEBB		D RT 13A 80
17039 ROBERT RIDINGER	09600940	D RT 20 45
171405 ALLEN S RUSSELL		D FRONT 45
173391 W R PRICE		D ALT 13 50
182674 HERBERT STOLFFER		D CR 535 80
186148 WILLIAM S FOSTER SR		D REPWEL 90
181291 CATHERINE MCGINNESS		D NGTEXT 100
189458 PHIL ROBERTS		D CR 535 112
180010 ALLEN J McILVAIN SR.	09600960	D 0
186024 EDWIN J HEVNER		D REPWEL 0
182047 JOHN BRINCHWICH		D REPWEL 25
184904 LEMONT CANNON		D REPWEL 25
184900 LEE ALLEN		D REPWEL 33
180072 ST HIGHWAY DEPARTMENT		D 50
190300 DAVID WHEATLEY		D CR 554A 50
191507 MICHAEL S & PATRICIA K OFFENSEND		D CR 534 50
183219 GERALD MCCABE		D DOLLY RD/RT 13A 25
181259 DONALD COMSTOCK		D LOT 4 60
188111 MICHAEL J OBER		D LOT 7 60
174226 MARY T MONACO		D LOT 14 60
183822 MARY E MOORE		D REPWEL 63
187796 ALTON MILLMAN		D 65
175145 ELIZABETH BARNES		D RT 30 76
171211 HERBERT STOLFFER		D CR 535 72
177811 ROBERT CANNON		D RT 13A 90
182217 THOMAS R FOZSGAY		D REPWEL 92
181016 RONALD H MARVEL		D LOT 14 95
181621 DONALD COMSTOCK		D LOT 4 100
181012 GEORGE ISENHOWER		D CR 574 100
187741 RODNEY LECATES		D 100
185007 TED SIMPLER		D REPWEL 102
174232 JOSEPH R NEUDECK	09601020	D LOT 1 0
174603 JOSEPH R NEUDECK		D LOT 2 0

AR100143

AGENCY NAME	MOB. GRID	HYD. ON	LOCAL ID	MOLE SECT
145 LEON T GAST	07001000		D REPWEL	42
114 GARFIELD R. WATSON			D LOT 2	50
100 LESTER B TWILLEY JR			D RT 13	50
111 JOSEPH A NEUGEDY			D LOT 17	75
111 ARYLEJ BIRD			D RT 13	80
111 JOSEPH A NEUGEDY			D RTA, FAIRFIELD	80
112 FRED BEIPERT			D LOT 11	80

records selected.

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AR100144

AGENCY NAME	WELLERID HYD. LN W LOCAL ID	CLE_DEPTH
59 DONALD EISENBERG	09400840 R CR 487	20
102 EDGAR BROCK'S SNYDER	09400800 PLEIST R	27
103 EDGAR BROCK'S SNYDER	R	28
104 RAY S. HEARS & SONS, INC	R ALT 17	29
105 WILLIAM RITTERHOUSE	09401140 R BHOME	60
106 RAY S. HEARS & SONS, INC	R 1	77
107 ALLEN FAMILY FARMS	R CR 546	97
107 LAKESIDE FARMS TILLER JOHN HASTINGS 09600200	R #3	52
107 MARSHALL HASTINGS	R 1a	31
111 MARSHALL HASTINGS	R #1	81
190 LAKESIDE FARMS TILLER JOHN HASTINGS	R #2	83
133 ROBERT J. WHEATLEY	P RD. 493	119
185 ROBERT J. WHEATLEY	R #3HOFM	140
208 GCKELS DAIRY FARM	09600860 R 1	96
285 WHEATLEY FARMS, INC.	09601060 R NEW-23	90

records selected.

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ARI00145

AGENCY NAME	CD BRID	MO LN W LOCALS	OLE DEPTH
149 RALPH GIVENS	09401840	A CHICKN	40
155 JAMES C PARKER		A CHICKN	25
156 MARTIN SCHLES		A ALT 17	25
192 EDWARD STOLLENBACH	09401920	A YARD	50
191 BILL RITTENHOUSE		A SHORE	25
154 FE ROSAS	09401040	A OFF CR 46	40
174 COMMANDER SANDEN		A CR 46	50
189 MIKE GRIFFITH		A HEARNS	60
190 JAY FIELDS		A RT 18	65
1915 DENIS HEARNE	09400300	A CR 492	120
1903 BURTON COCKLES	09400920	A CR 488	40
1959 COCKLES DAIRY FARM		A CR 488	45
1299 SPORTSMANS TRUCK COPS		A Yard	25
1017 JAMES F. PALMER	09400940	A OFF CR 535	50
5108 DANIEL NELSON	09400960	A NStent	40
555 DUKE'S LUMBER COMPANY		A RT 13A	50
111 ENE KING		A Lawn	60
1278 FRED HENNING		A CONCOR	60
5851 THOMAS R POZSGAY		A Yard	50
1259 BRIAN MERCER		A RD.20	70
1990 PHILLIPS SIGNS	09401020	A US 13	40

1 records selected.

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AR100146

APPROX. AGE	NAME	REF. NO.	SECTION	DATE
1952	ROLAND V FLEETWOOD	09800840	A 480/10	71
1957	LEO A COLLINS	09811280	A Garden	71
1957	EDWARD OLSEN		A CR 345	50
1958	DAVID S WESS JR		A RT 17	45
1959	SARY ANGLIER	09800920	A	50
1961	IRVING VINCENT		A RT 20	50
1962	BRANDON G HILL		A RT 20	90
1963	RONALD E HASTINGS	09800940	A L	40
1963	RICHARD MANLOVE		A RT 20	40
1964	LEROY A COLLINS		A REFWEL	45
1965	WILLIAM E DIEDRICH		A	45
1966	TY HUSKY		A LOT 39	45
1967	RONALD E HASTINGS		A CR 516	45
1968	MARY ROBINSON		A YARD	50
1968	JOHN P HANENFIELD		A CR 530	50
1968	CAROL K HAAS		A AgWell	50
1968	JOHN F FAROUHAR		A PINERD	50
1968	GEORGE SAPHA SR.		A OFF RT 20	50
1968	BILL JONES		A CR 20	50
1968	HELLIS R BENNETT		A Yard	50
1968	FRANK GRAY		A Garden	55
1968	RONALD E HASTINGS		A LOT 50	50
1968	GORDON MAYNES		A RT 20	50
1968	RICHARD WELLMAN		A RD 530	50
1968	ROY FISHER		A	50
1968	BRIAN GRACON		A LOT 51	50
1968	CORIS LEE JONES		A	50
1968	RONALD E HASTINGS		A POND	50
1968	WILLIAM DENNIS		A LOT 51	50
1968	ROBERT R CRITTENDON		A CR 530	70
1968	JOSEPH MACKNIGHT		A OFF CR 535	70
1968	GEORGE SCHENCK JR		A	70
1968	DR MIR M MOUSAVI		A	80
1968	WILLIAM CORDREY		A RD 535	80
1968	RAY STORA		A	80
1968	RONALD E HASTINGS		A CR 530	80
1968	DAVID DUPREE		A CR 535	85
1968	RONALD WILLIAMS		A WALNUT	90
1968	ROBERTO VILLASENOR MD		A LOT 22	100
1968	GEORGE SCHENCK JR		A CR 530	100
1968	ANDY SHAFERS		A RIVEREND, LOT 19	100
1968	ANDY SHAFERS		A LOT 19	100
1968	DAVID KRUSE		A LOT 5	430
1968	GEORGE W BRAMBLE	09800960	A Yard	50
1968	JEFF CORDREY		A CR 535	50
1968	JEFFERY & ELIZABETH ODAY		A CR 535	50
1968	MARTIN L SAMMONS		A CR 534	50
1968	DIG JAK FARM		A CHICKN	55
1968	JACK LAMENZA		A CR 535	50

AR100147

INDEXED	AGENCY NAME	NOI, BRIS, VOL, LUN, & LOCALITY	FILE, REF
020001	513 OAK FARMS	09800960	A RT 4a
020002	LEON BROWN		A CR 504
020003	AL HASTING		A 100
020004	JACK LAMENIA		A CR 505
020005	EART * HASTINGS		A 100

070110	BARTONS LANDSCAPING	09801060	A RT 13
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070606	HAZEL & VIRGIL MURPHY	09801060	A CR 502
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081002	RANDY FLEETWOOD	10000840	A CHICKN
081004	RANDY FLEETWOOD		A CR 485

081009	DONALD F BCOOTH	10001040	A CR 531
075905	LOIS VOLMER		A

081041	LEON & BORIS WILLING	10001060	A CR 503
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075046	BELLARDE HORSE FARM	10400500	A
076735	AXA FARMS		A RT 20

081041	JOHN T. ELLICOTT, SR.	10401000	A CR 404
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44 records selected.

SQL> spool off

AR100148

INSTRID	AGENCY NAME	MCD_BRID HYD_LAN W LOGALID	SOLE_DEPTH
146244	FRANK MCRIMAN	09300840	R CR 485
159115	ROLAND V FLEETWOOD		R CR 486
177775	WILLIAM A. COBLE	17801120	R CR
177777	WILLIAM A. COBLE		R CR
177778	WILLIAM A. COBLE		R CR
177459	WILLIAM A. COBLE		R CR
174221	RONALD E HASTINGS	19800940	R CR 516
090356	ELIZABETH ANTOS	09800960	R CR 520
051129	EDWARD KREWATCH		R CR 534
051129	EDWARD KREWATCH		R CR 534
073846	CHARLES ISAACS		R CR 534
154751	CHARLES ISAACS		R RT 13
068708	PATRICIA SHEPHERD		R CR 535
071590	HOWARD ALLEN		R CR 46
065507	BARTONS LANDSCAPING	09501040	R BRUDB
052605	GARY'S LAWN SERVICE	014	R
047425	PALMER COREY	09501080	R CR 5 AC
077799	RANDY FLEETWOOD	10000840	R CR 488
078071	RANDY FLEETWOOD		R CR 488
089424	NELLIE FLEETWOOD		R CR 488
065910	ROLAND V FLEETWOOD		R CR 513
042814	ROLAND V FLEETWOOD		R
043112	ROLAND V FLEETWOOD		R
047172	ROLAND V FLEETWOOD		R CR 5 AC
071810	HOWARD ALLEN	10001040	R CR 46
063977	MRS MARIE ALLEN PASSEWATERS	10001060	R CR 531
063777	MRS MARIE ALLEN PASSEWATERS		R CR 531
063244	MRS MARIE ALLEN PASSEWATERS		R CR 531
035431	HOWARD ALLEN		R CR 18
073539	PALMER COREY		R
082062	BOB RIDER		R RT 18
071120	BURTON J. SIVENS	10400900	R CR 482
049335	PALMER COREY	10401000	R CR 5 AC
049380	PALMER COREY		R RT 18
049298	PALMER COREY		R RT 22

15 records selected.

SQL> spool off

AR100149

1913	AGENCY NAME	REF_1913	REF_1913	REF_1913	REF_1913
1913	JAMES MOORE JR	09500540	D CR 480	48	
1917	PRESTON MOORE		D REFUEL	50	
1917	SEFFERT FLEETWOOD		D CR 480	50	
1917	JEL BURGESS		D RT 10A	50	
1914	GEORGE L. TULLITT		D CR 480	50	
1917	BILL WILLIAM		D	65	
1917	JACK & ANGELA MILLINE		D CR 480	60	
1917	ROGER L. HARRIS		D CR 480	90	

1950	NORMAN MORGAN	09500550	D LOT 12	0	
1951	LINWOOD HASTINGS		D CR 481	30	
1951	RICHARD DUKES		D REFUEL	39	
1951	LEROY CHROBOT		D REFUEL	40	
1956	JACK E MEARS		D LOT 2, CR 481	40	
1957	RONALD E HASTINGS		D REFUEL	50	
1959	DONALD GIVENS		D CR 480	50	
19512	CHARLES F ROBERTS		D CR 481	55	
19512	KENNETH E RIGGINS		D CR 480	60	
19514	DIANE KING		D CR 480	60	
19514	JACK E MEARS		D LOT 6, CR 481	60	
19565	JACK E MEARS		D LOT 4	60	
19576	CATHLEEN SHAW		D REFUEL	65	
19576	JACK E MEARS		D LOT 3	65	
19596	LESLIE SMITH		D RT 13	65	
1964	REBECCA J POLLARD		D RT 13A	90	
19632	BARRY WHALEY	01;	D	92	
197	ELISSA WILLIAMS		D CR 481	84	
197	LORENCE E THOMAS		D CR 480	95	
19730	ARTHUR WEST		D REFUEL	98	
19400	GEORGE H DUNN		D REFUEL	90	
19252	MELVIN L HINDT		D LOT 9A	90	
19669	MIKE HAMILTON		D TRAIL	75	
19556	TED BLADES		D	57	
19819	HENRY A HASTINGS		D CR 480	95	
19345	KATHY SHAW		D LOT 7	75	
19442	ARTHUR STOCKHOME		D CR 481	100	
198294	FLORENCE E THOMAS		D CR 480	100	
195011	STEVEN J HYDOCK		D CR 480	100	
196015	KENNETH E RIGGINS		D CR 480	100	
19172	DAVID M STIDHAM		D LOT 3	100	
19059	RONALD DEFEW		D RT 20	105	
19536	JACK A MELONEY		D CR 481	105	
19870	BENJAMIN WALLE		D CR 481/LOT 2	110	
19326	ARTHUR HOPKINS		D CR 481	117	
19514	JOHN THOMAS		D	260	
19531	MIKE HAMILTON		D LOT 12	260	
19061	JOHN THOMAS		D CR 481	260	
19070	LINWOOD HASTINGS		D CR 481	260	
19700	LLOYD JEWELL		D REFUEL	333	
19527	MARK SMITH		D CR 481	400	

19	JESSE L. THOMAS	09500920	D CR 81	25	
19	BEN		D DCGWCO	30	
57280	JAMES MANN		D RT 30	30	
67373	EVERETTE M MASTEN JR		D REFUEL	35	

AR100150

PEDD AGENCY NAME	MOB SPID	MOB A	MOB ALID	OLE SPID
17876 JIM SCHREIBER	05800920		D CR 20	38
18880 DEWEE WALEY			D LOT 20	37
18874 PAULONE JUSTICE			D	38
18926 FRANK E DEAMAN			D LOT 25	38
18842 J. J. JANINE, JR			D LOT 24	40
18871 CASSELL THOMAS			D RT 20	40
18841 ROBERT FRANCHOWIAK			D RT 20	40
18824 FREESTON OFFE			D CR 481	40
17942 AUGUSTIN E BOMEZ JR			D RT2	40
17721 RICHARD E CROSDY			D RT 40	40
17879 HARRISON HOFKINS			D RT 20	40
17821 MICHAEL ROBERT GRIFFITH			D 20-17	40
17742 JOSEPH SWIT			D RD 20	42
18807 CHARLES L MORRIS			D REPWEL	42
18801 ALAN INGALLS			D LOT 23	42
18874 MARVELL HALZER			D RT 20	42
17012 MIKE STURGIS			D RT 20	45
18396 CASSELL THOMAS			D 20-485	45
18867 ALICE COX			D RT 20	50
17015 IDALEE GLOVER			D RT 20	50
18775 JOHN W. BRODMANN			D LOT 60	50
189130 BILL JONES			D CR 20	50
188423 JAMES FOSKEY			D RT 13	50
188740 SEIFF INC			D RT 20/LOT 27-A	50
18127 JAMES S LANKFORD			D LOT 14	50
171809 JAMES LONG			D RT 20	50
182415 GARY CONAWAY			D REPWEL	52
18767 MARGARET JACKSON			D	55
170150 MARVIN LLOYD			D CR 20	55
188845 WILLIAM W MESSENGER			D BEAVER	55
187340 KERNICK TRAMMELL			D	60
187400 JOHNN LOCKEY-KING			D B.13AC	60
170475 HAO-HAI TUNG			D RD 20	60
170127 NORTHERN THOMAS			D RT 20	60
170121 STEVEN SEIFF			D	60
17884 SEIFF INC			D	60
17781 MARGARET MATTHEWS			D RT 20	60
18344 PAULINE ARNETT			D RD 481, LOT 5	60
18672 ALICE A. FITCHETT			D RT 20	60
18169 JOANN ROBINSON			D HAVEN	60
18762 LEMUS A PALMER			D CR 20	60
17687 CHARLES R BELL			D 3 ACRE	60
171674 DONALD GIVENS			D CR 485	60
180077 BERNHART H DEGE JR			D LOT 5	60
184703 CRAIG & KATHY M RUF			D LOT 63	60
188444 ROY FITZSIMMONS			D L1 13	60
18027 BILL BACKUS			D REPWEL	60
176296 RUDY COLLINS			D RT 20	65
183615 GARY E CRUTCHFIELD			D REPWEL	70
182899 ALICE COX			D REPWEL	75
188290 WHITLEY FORBES			D RT 20	76
178226 CHARLES R BELL			D 3 ACRE	80
186774 SEIFF INC			D RT 20/LOT 26-A	80
182248 ROYAL S. BRUMMELL			D RD 461	80
171010 ARTHUR STACKHOUSE			D 1062	85
188270 DAVID PARKER			D REPWEL	87
188722 FRANK L MORRIS			D REPWEL	90

AR100151

INDEX	AGENCY NAME	MO, BRD	HYD, AN	LOCAL	ROLE, DESIG
066877	JOHN D (BUNK) ADAMS	19500940		D LOT 20	50
067214	HENRY D WHEATLEY			D CR 20	50
067355	HELEN M MOORE			D LOT 19	50
067355	JOHN MOLLY			D CR 21	50
067355	DONALD M MARTIN			D CR 46	50
067355	LYNN GRWIN			D LOT 46	50
074657	ROBERT SAVAGE			D	50
073941	FLEMAN SASSONS			D CR 516	50
073293	GERTRUDE CROSSMAN			D RT 20	50
073567	JEAN WALDRON			D CR 538	50
072047	PAUL S WOOTEN			D	50
067457	LEON R ELLIS			D RT 13	50
067347	ELBENE WRIGHT			D CR 535	50
067234	WAYNE & SANDRA MOORE			D CR 530	50
068678	CHANNANLAND DEVELOPERS			D CR 530	50
067484	WESLEY S RICHARDSON			D REPMEL	50
065008	LEON R ELLIS			D LOT 3	50
064013	HENRY M WILSON JR			D 530+46	50
058622	DONALD YERKES			D REPMEL	50
063212	RUSSELL KNORR			D REPMEL	50
074519	GEORGE SCHENCK JR			D LOT 24	52
066673	DONALD M MARTIN			D CR 530	53
067166	RICHARD JONES			D REPMEL	53
066674	DONALD M MARTIN			D REPMEL	53
066654	ELLIS REALTY CO			D 535+46	53
067175	OWIGHT BLAKENEY			D REPMEL	54
061528	WILLIAM WHITTAKER			D LOT 77	54
067576	WAYNE HASTINGS			D	54
067576	RICHARD MANLOVE		PLEIST D		55
067576	JEAN WALDRON		D REPMEL		55
065008	WILLIAM I. HASTINGS		PLEIST D		55
073896	JAMES SMITH		D CR 530		55
073892	SEANN M CAREY		D RT 20		55
069039	GLENN A BOWEN		D FERNWD		55
074518	DAVID BAKER		D LOT 41		56
068133	MINDS WRIGHT		D		58
072444	DEBBIE TOWNSEND		D LOT 9		58
070099	RONALD E HASTINGS		D LOT 32		58
076645	TERRY STIMELING		D LOT 4		58
073852	DONALD M MARTIN		D LOT 31		59
066642	HAROLD GRIFFIN		D LOT 8		60
067045	THOMAS SMITH		D REPMEL		60
067099	DELBERT MOSELEY		D REPMEL		60
069344	DAVID SABETKIS		D		60
069028	JOHN P HANENFIELD		D REPMEL		60
069106	DONALD M MARTIN		D LOT 2		60
074040	TED SHEPHERD		D CR 111		60
072799	RONALD E HASTINGS		D LOT 29		60
072756	JAMES HILL		D CR 530		60
072757	WILLIAM JAMES		D PIT RD		60
072322	RONALD E HASTINGS		D LOT 46		60
072042	EDWIN M ODOR		D CR 46		60
071896	RONALD E HASTINGS		D LOT 51		60
071896	RONALD E HASTINGS		D LOT 21		60
071896	KELLY LORD		D RD 20		60
065444	DONALD M MARTIN		D CR 530		60
065444	ANNA MAE BROWN		D CR 526		60

AR100153

INDEX	AGENCY NAME	NO. OF ID	NO. OF N	NO. OF L	NO. OF T
081822	DAVID LISSA	08900940	D LOT 29	60	
081875	JAMES HILL		D LOT 20	60	
081878	JOHN WHEATLEY		D	60	
081881	DONALD HASTINGS		D LOT 75	60	
081884	DONALD M MARTIN		D LOT 45	60	
081888	JAMES HILL JOHN LEWIS		D LOT 20	60	
081890	PETER WEDDERBURN		D LOT 20	60	
081897	WILLIAM HARPER		D LOT 84 PHASE II	60	
081898	RALPH B FREIDEL		D CR 530	60	
081900	REV. DAVID B. MURFORD		D LOT 20	60	
081904	JACK F PARKER		D LOT 47	60	
081908	JAMES HILL JOHN LEWIS		D LOT 8	60	
081910	DONALD M MARTIN		D LOT 1	60	
081914	W WELDON HARPER JR		D CR 530	60	
081916	JAMES HILL		D CR 530	60	
081917	ALLEN FERGUSON		D LOT 10	60	
081921	WILLIAM JAMES		D	60	
081924	THEODORE B SIMPLER		D LOT 14	60	
081928	WELDON HARPER		D CR 530	60	
081930	REMUS GIBBS		D REPWEL	60	
081936	WILLIAM A WHEATLEY		D CR 530	60	
081938	DR MIR M MOUSAVI		D LOT 7	60	
081940	THEODORE B SIMPLER		D LOT 2	60	
081942	LEON A ELLIS		D LOT 2	60	
081946	MARK T BERRYMAN JR		D LOT 7	60	
081948	PAUL A & MARILYN MORRIS		D REPWEL	60	
081950	EDWARD KREWATCH		D LOT 15	60	
081952	HELEN K HILL		D CR 530	60	
081954	DAVID B WEBB JR		D LOT 21	60	
081956	DAVID B WEBB JR		D LOT 22	60	
081958	DAVID B WEBB JR		D LOT 4	60	
081960	ELENN A GRIFFIN		D LOT 5	60	
081962	JOHN W HITCH JR		D FARRAD	60	
081964	CHARLES SCOTT MORGAN		D LOT 52	60	
081966	WILLIAM A CLARK		D REPWEL	61	
081968	WILLIAM F WILKINSON		D REPWEL	63	
081970	ROY SMITH		D CR 530	63	
081972	BRUCE WILSON		D REPWEL	63	
081974	PAUL DAUDT		D REPWEL	63	
081976	LAURA T PHILLIPS		D LOT 6	64	
081978	DONALD DRACE		D REPWEL	65	
081980	H THOMAS FITZGERALD		D	65	
081982	RONALD E HASTINGS		D LOT 26	65	
081984	ALAN FERNER		D LOT 16	65	
081986	RONALD E HASTINGS		D LOT 50	65	
081988	SAMUEL A BLACKWELL		D L15M16	65	
081990	DAVID B WEBB JR		D LOT 18	66	
081992	STEVEN J MORGAN		D CR 530	66	
081994	EDWARD E MOORE		D CR 530	66	
081996	JENNINGS SPICER		D CEDAR	70	
081998	LARRY HARDESTY		D	70	
082000	RONALD E HASTINGS		D LOT 117	70	
082002	WREN R. ALLEN, JR.		D LOT 13	70	
082004	RON HASTINGS		D	70	
082006	JAMES HILL		D LOT 8	70	
082008	MICHAEL A TERRY		D LOT 42	70	
082010	CECIL A SHIREY		D	72	

AR100154

INVESTID	AGENCY NAME	MOE_REFID	MOE_MN	LOCALID	ROLE_DEPTH
074280	PAT W FLANNAGAN	0980064		D LOT 81	74
074461	WILLIAM COFFEY			D REPWEL	75
075775	JAMES E BATHGELL			D REPWEL	75
075775	DORIS LEE JONES			D CR 530	75
075775	TILL WRIGHT			D LOT 1	75
075775	JACK PARKER			D LOT 47	75
074245	PAUL L BISHOP			D LOT 1,2	75
076669	MILDRED BEACH			D REPWEL	75
077915	MARGARET JACKSON			D LEAD	80
061671	STEVE COLLINS			D RT 20/HOLLY RD	80
062450	RONALD G. ALLEN			D BEAVERDAM LT 43	80
061295	CHARLES R. STRAUGHN			D CR 530	80
069875	ALBERT CULVER, JR.			D LOT 50	80
065614	SEANN M CAREY			D RT 20	80
060933	DELMARVA BUILDERS			D LOT 71	80
078010	ROGER DEFREE			D LOT 72	80
074971	WILLIAM JEFFERYS			D EVERGR	80
075020	KEVIN & MARY WRIGHT			D RT 20	80
075517	ERIC JONES			D RT 20	80
057710	J. BARRILOCANAL			D	85
060016	DAMON MUSSEY			D REPWEL	85
057295	HOLLIS R BENNETT			D REPWEL	85
091042	NORMAN KEY, JR.			D CR 535	85
096853	GEORGE & MILDRED BEAUCHAMP			D CR 535	85
059772	RONALD N RAMSEY			D HOLLY	85
069405	WILLIAM MEYER			D LOT 3	86
035175	MARIO ROSALES			D LTB105X106,535	86
070067	RUTH CANNON			D CR 524	87
070067	RONALD E HASTINGS			D LOT 49	87
070067	ALFRED H THOMPSON			D CR 535	87
050543	GAREY FAULKENBERRY			D	90
058750	PAUL F DOWOLF			D OFF OF CR 530	90
060202	RUSSELL KNORR			D REPWEL	90
062150	EDWARD BEALE			D EVERGREEN	90
089504	JOSEPH LOVETT			D 5	90
062553	RODNEY L DAVID			D CR 530	90
074192	ALAN T JONES			D CR 535	90
071992	LOUIS F OWENS JR			D LOT 13	90
071565	JAMES J DOBSON			D RT 20	90
071737	PATTI GEISEN			D CR 530	90
067950	WILLIAM P STEWART			D REPWEL	90
071502	CHARLES S WILLIAMS			D RIVER	91
065102	THOMAS STAPLES			D REPWEL	93
069405	WILLIAM MEYER			D LOT 4	94
055196	RONALD KIESER			D SPRUCE RD.	94
060551	LAURENCE P MOYNIHAN			D REPWEL	98
067392	JOANN LOONEY-KING			D 20+13	98
061540	ROBERT D WRIGHT			D CR 530	100
073475	RONALD E HASTINGS			D LOT 24	100
077775	RONALD E HASTINGS			D LOT 13	100
067166	PETER D STEPHENS			D REPWEL	100
073475	RONALD E HASTINGS			D LOT 41	100
074120	THEODORE B SIMPLER			D CR526A	100
075775	GEORGE SAVAGE			D 115	100
075775	JEROME ECKERT			D CR 535	100
071125	CHARLES R. STROUGHN			D OFF CR 46	100
059397	EDGAR P. FOGHEMAN			D LOT 9/RT 530	100

AR100155

INSTRID	AGENCY NAME	MOD_3R10	MOD_4N	LOCALID	HOLE_DEPTH
188736	GEORGE OWENS	09800940		D CR25M-17 125	100
188800	MATT FERRIS			D CR 46	100
188801	HAROLD BPORT			D	102
188807	JEFF HERRITH			D REFUEL	105
188817	RONALD E HASTINGS			D LOT 16	105
188877	THEODORE S SIMPSON			D CR 255	108
188878	DR. EDWARD JILICA			D RIVERS END RD	110
188884	DELMARVA BLDGS., INC.			D LOT 71	115
188873	CYNTHIA KILBO			D CR 496	115
188138	TY HUSKY			D LOT 39	117
188138	JEAN WALDRON			D CR 525	120
188166	STEVE RUSSELL			D LOT 46	300
188064	DAVID B WEBB JR			D	320
188071	RONALD E HASTINGS			D LOT19A	340
188292	CAROLYN TOY			D	355
188174	DURTI B STRAUSBAUGH			D LOT 35	360
188100	THOMAS ARNEY			D LOT 21	360
188243	MARY LOU KINSEY			D PINE ROAD	360
188094	ARNOLD VANN			D LOT 9	369
188198	DAVID B WEBB JR			D LOT 10	375
188189	DAVID B WEBB JR			D LOT 1	375
188194	RONALD E HASTINGS			D LOT 13	375
188685	MOBILE HOME GARDENS			D LOT 2	375
188046	ROBERT FERBER-COOPER-THOS BLDERS			D LT 12	378
188283	ALAN FERNER			D LOT 16	380
188467	ALAN FERNER			D LOT 16	380
188166	LOUIS MOREL	fred		D	380
188311	STEVE COLLINS			D RT 20	380
188755	JOHN IRWIN			D RT 20	380
188733	JOSEPH V. NANCY PARKER			D LOT 23	380
188972	LAURA J PHILLIPS			D LOT 5	380
188842	LEMONT CANNON			D RT 30	380
188726	WILLIAM HASTINGS			D LOT 25	381
188731	SEAFORD DOUGHNUT COMPANY			D RT 30	381
188692	MICHAEL A TERRY			D	390
188413	ELLEN E FIELDS	fred		D LOT 44	390
188470	ALAN O'NEAL			D	400
188361	RONALD E HASTINGS			D LOT 68	400
188384	BOB WARFORD			D CR46	400
188389	BEVERLY ATKISON			D CR 46	400
188749	WILLIAM SLACK			D LOT 109/CR 520	400
188410	DAVE LIBBY			D GREEN LEAF	400
188476	HELMUT GERHARDT			D LOT 124	400
188825	RON HASTINGS			D LOT113	400
188143	LURETTA C PURSE			D LOT 38	400
188775	TY HUSKY			D LOT 118	415
188475	PETER KOTINSKY			D LOT 75	415
188163	LEONARD MCLEROY			D LOT 21	420
188471	WELDON HARPER			D RIVEND	420
188413	RENEE DOBSON			D OFF RT 20	420
188524	DELMARVA BUILDERS			D LOT106	425
188245	TONY NERO	19800960		D LOT 7	0
188167	RONALD POWELL			D LOT 16	0
188475	ROBERT W RAWLINS			D RMS+AC	0
188511	VICTOR HURLEY ESTATE- B J HURLEY, EX			D LOT 17	0

AR100156

AR100157

INSTRID	AGENCY NAME	MOD_BRID	YD_LN #	LOCALID	OLE_SEPT
100804	JOHN A HERRICK	09800980		D CR 534	50
101103	ROBERT JONK			D CR 535	50
101417	MARI BARKIN			D CR 534	50
101610	STEPHEN BELLERS			D CR 534	50
101801	ARCH STREET ASSOCIATES			D CR 534	50
101802	LEAF L HOME			D CR 535	50
101807	WILLIAM E GRAMM			D REFWEL	50
101817	JAMES STURGIS			D	51
101902	PATRICIA SHEPHERD			D REFWEL	57
101451	DONALD K. BAILEY			D	58
101506	BRANSON S SMITH			D CR 46	58
101807	ED HIGGINS			D	59
102205	HORACE E ELLIS			D	59
101770	IRVIN J HEARN			D CR 534	59
102018	JAMES V. HOSTER			D LOT 18	59
102836	ROBERT HARDING			D	59
106795	URIAS GRAMM			D CR 534	59
109499	JOSEPH BAY			D	59
109297	RON HEIN			D LOT 8	59
108098	RANDY HENDRICKSON			D LOT 35	59
1070570	WILLIAM N COPELAND			D 66668	59
1073322	NORMAN RITTERHOUSE			D	59
1075250	ROGER HAMMOND			D CR 534	59
1081771	BRANSON S SMITH			D CR535	59
1076476	JOHN C RESOR			D LOT 65	59
1067348	DOUG HEARN			D REFWEL	100
1052112	WILLIAM F. MCNATT			D RD 535	100
1080044	BUSTER HARRIS			D CR 535	100
1079607	WILLIAM H NEWLON			D CR 535	100
1059470	WILLIAM MOORE			D REFWEL	103
1066888	GEORGE W BRAMBLE			D REFWEL	105
1071897	HAZEL HURLEY			D CR 535	105
1072359	NORMAN HUBBARD			D 32-34	110
1070980	ED MORILLE			D DIRTRO	115
1062029	DAVID S FOX	09801060		D LOT 16	0
1058293	SARY THOMAS			D	40
1076747	JOHN TINDALL			D LOT 2	40
1052175	ELLIS REALTY CO			D REFWEL	42
1011947	JAMES H WEBSTER			D LOT 18	45
1085660	DONALD C. BIRCH			D CR 532	45
1078624	JOSEPH M & SUSAN L ECKERT			D LOT 22	45
1062465	AGUSTA CARR			D REFWEL	50
106727	KENNETH D & CHARLOTTE WALTON			D LOT 7	50
1079110	FRANK BRADLEY			D LOT 27	50
1075758	CLAUDE BANNING			D CR 532	50
108540	RICHARD & CAROLYN MASSEY			D RT 532	50
1062222	JOHN W THORNTON			D LOT 5	52
1079129	FREDERICA ROBERTS			D RT 13	60
1092760	ED COOKE			D CR 532	60
1084706	ART MARVEL			D LOT 12	63
1074422	JOHN TINDALL			D LOT 2	65
1073811	ROBERT W COOK			D CR 532/LOT 3	70
1053514	FLOYD LANFORD	09801080		D REFWEL	0

AR100158

CHARLES	AGENCY NAME	MOD BRID HYD W N LOCAL ID	MOLE SEFT
077669	CHARLES TILGHMAN	09801080	50
077715	CHARLES TILGHMAN		50
077902	CHARLES TILGHMAN		55
080715	ROBERT WITZCHENS		55
	LEON J SMITH		50
	CHARLES FOUNTAIN		50
077951	ROBERT WILLIAMSON		50
079727	JAMES R MORRISON		55
057577	DAVID B WEBB JR	10000840	50
095870	FRANK FLEETWOOD		50
059155	HERBERT J KNAPP		60
073047	ALVIN BARKS		57
056765	HUGH B MILLS		55
073454	MICHAEL R JOHNSON		120
069293	MARY WHEATLEY	10000860	0
068678	BOBBY J MILLER		40
076429	GEORGE A JOHNSON		40
089525	RANDY FLEETWOOD		40
067128	MARIE EVANS		48
059779	ROLAND TICE		55
072139	ROLAND TICE		58
068304	MARY WHEATLEY		60
085574	RICHARD K WILSON		55
050687	PAUL R. GILMORE		90
077041	RICHARD K SR & JOAN WILSON		90
	ALVIN C HASTINGS		100
	FLORENCE E THOMAS		270
057060	DANIEL THOMAS		279
072539	JOYCE THOMAS		425
079072	D & D INVESTMENTS	10001040	40
085241	FREDIE E WILLIAMS		40
083027	CON D'AQUILA		40
057466	RICHARD B. RUSH		40
079072	D&D INVESTMENTS		40
079072	D&D INVESTMENTS		40
079072	D & D INVESTMENTS		40
084773	CAROLYN S SPEILBURGER		45
085554	CARL F AND ALICE JOHNSTON		45
089539	D & D INVESTMENTS		45
089539	D&D INVESTMENTS		45
091574	ALICE M. MILLER		45
075275	ROBERT W COOK		45
064671	D & D INVESTMENTS		50
071125	HUGH OLOUGHLIN		50
093326	CON D'AQUILA		50
074137	DONALD E D'AQUILA		50
067756	DONALD CORNISH		50
064671	D&D INVESTMENTS		50
071125	DONALD F BOOTH		52
05	MARGARET HIGGINSON		60
081001	FRANCIS E & CHARLOTTE ONARROW		60

AR100159

INSTRID	AGENCY NAME	MOD_SRID	MOD_N	MODALID	ROLE_DEPTH
177100	GEORGE WIDDOWSON	10001040	0		60
177074	ELEANOR E MATTHEWS		D CR 521		60
187151	WALTER SWIGIER		D CR 522		60
187318	PEARL CHESTER		D REFUEL		65
187447	BAXTER SMITH		D		70
188557	MICHAEL E OFFENSEND		D CR 46		70
187325	CON D'ARQUILLA		D CR 46		75
187324	CON D'ARQUILLA		D CR 46		78
181258	GARNET D'MARRON		D CR 531		83
181551	DAVID VOLLNER (QUACK SHACK)		D CR 532		367
089274	GARY THOMAS	10001060	D		0
077048	RITA C LAYTON		D CR 533		42
186911	BETTELL DRAYTON		D REFUEL		50
177179	WALTER SWIGIER & ABBIE PERKINS		D CR 531		50
086915	ELWOOD A TROTMAN		D CR 531/LOT 3		50
073359	JOHN M HASSMAN		D LOT 23		55
072322	WAYNE A HOLLAND		D CR 18		60
177009	WILLIAM PERRYMAN		D CR 18		60
092197	ELWOOD A TROTMAN		D RE 533		60
077516	R TA C LAYTON		D CR 533		70
067867	KENNETH E PHIPPS	10400900	D RT 20		0
062649	WILLIAM MEYER		D REFUEL		40
085906	DONALD GIVENS		D CR 488		40
092253	ROLAND TICE		D RD 488		40
086590	DOUG H MITCHELL		D RT 20		40
073007	LEVIN A WILLIAMS III		D CR 485		40
080993	LORENZO WILLIAMS		D CR 20		40
166687	VERNON DAWSON		D CR 488		45
167002	LANA CIOCARRELLA		D RT 20		45
176821	PHYLLIS BROWN		D CR 486		45
188238	PEGGY P. MURRAY		D CR 20		47
067377	JOE ANN ANDERSON		D REFUEL		50
074650	DELMAR FEED MILLS		D CR 488		50
081357	WILLIAM TOWERS		D CR 485		50
076612	WILLIAM TOWERS		D CR 485		50
072860	MARY PARSONS		D CR 488		50
158128	HARRY L. SMITH		D REFUEL		55
107579	HARLEY MOORE		D CR 485		60
076633	DAVID W & NANCY KRUSE		D LOT 37		60
172078	DONALD GIVENS		D CR 485		60
071615	LEVIN A WILLIAMS JR		D RT 13		60
067917	FRANK G HENSON		D		60
157716	RONALD WILLIAMSON		D LOT 9		60
157670	JOHN A. MOORE JR.		D		60
159118	LARRY E. WILLEY		D CR 485		60
158523	BOS MOYER		D LOT 8		60
090564	ROBERT ANGER		D LOT 7/CR 479		60
159035	RONALD CANNON		D CR 485		70
075790	HARLEY MOORE		D		97
094297	CHARLES TOWERS		D CR 485		100
162513	SEAFORD FEDERAL CREDIT UNION		D CR 479		105

AR100160

INPEID	AGENCY NAME	POD 3612	POD 3612	LOCAL 12	CLB 3612
064812	HARRISON CHURCH	10401000		D REPWEL	40
072912	GEORGE PENA			D LOT 11	40
072912	WALLY MILLER			D CR 527	40
072912	RUSSELL WINGATE			D LOT 12	44
072912	RUSSELL WINGATE			D LOT 12	44
072912	TOM & KATHY PUSEY			D LOT 13	45
072912	ANNIE M WALETON			D LOT 22	50
072912	MELVIN CANNON			D CR 533	50
072912	BETTIE EVANS WILLIAMS			D LOT 27/CR 525	50
072912	BARBARA CROSS/JAMES SCARECROUGH			D CR 533/LOT 19	50
072912	ELWOOD A TROTMAN			D CR 533/LOT 2	50
072912	ELWOOD A TROTMAN			D CR 533/LOT 4	50
072912	KENWARD BRYANT			D CR 531	50
072912	DAVID T MULLIGAN			D CR 531	50
072912	ROBERT M HALTTUNEN			D LOT 1	50
072912	JACK REYNOLDS C/O TOM LEE			D LOT 9	50
072912	LINDEN REMENTER			D CR 533	50
072912	LINDWOOD ROSS			D CR 531	50
072912	JACK REYNOLDS			D LOT 8	50
072912	TERRY K. BAKER			D LOT 7	50
072912	AMANDA BATSON			D CR 531	50
072912	EARL LEE MAY			D LOT 63	50
072912	ENDS & CARRIE GREEN			D LOT 51	50
072912	PAUL H HASTINGS			D CR 533	50
072912	JERRY L WELER			D L 6586	50
072912	JERRY L WELER			D L 5445	50
072912	JERRY L WELER			D L 5245	50
072912	JERRY L WELER			D L32433	50
072912	LOUISE SAVAGE			D REPWEL	53
072912	FRANK BLAKE			D	55
072912	MADELINE WILLIAMS			D LOT 18/CR 525	55
072912	MAE BELL BREWER			D FRED	55
072912	GEORGE LINGARD			D RD 576	55
072912	THOMAS L GIBBS JR			D CR 525	55
072912	ALICIA M CANNON			D L5866A	60
072912	RUSSELL WINGATE			D LOT 12	60
072912	TOM & KATHY PUSEY			D LOT 13	60
072912	JERRY L WELER			D LOT 41	60
072912	JERRY L WELER			D LOT 57	60
072912	JERRY L WELER			D LOT 45	60
072912	JERRY L WELER			D LOT 41	60
072912	SEIFF INC			D CR 525	60
072912	CULLEN PENN			D CR 525	60
072912	JOSEPH LEWIS			D CR 525	60
072912	NATHANIEL GIBBS			D CR 525	60
072912	THEODORE B SIMPLER			D LOT 25	60
072912	THEODORE B SIMPLER			D LOT 29	60
072912	THEODORE B SIMPLER			D LOT 28	60
072912	THEODORE B SIMPLER			D LOT 26	60
072912	ISREAL KITTIES			D CR 525	60
072912	LINDA PAGIN			D CR 531	60
072912	IVORY JAMES			D CR 531	60
072912	CHARLES E JENKINS			D REPWEL	60
072912	JERRY L WELER			D LOT 19	60
072912	JERRY L WELER			D L31818	60
072912	MARY BROWN			D LOT 17	60
072912	SAMUEL EPPS			D CR 525	60

AR100161

DNREC ID	AGENCY NAME	MOD, GRID, HYD, UN, &	LOCAL ID	POLE DEPTH
063006	MAGGIE M ROBINSON	10401000	0 LOT 78	62
059903	SANDY M WRIGHT		0 CYNEX	63
069999	ONICE McNEIL		0 811H17	63
061482	BART K HASTINGS		0 REFUEL	63
067724	NAGMI NORMAN		0 REFUEL	65
075591	MARY DRUMMOND		-	65
073182	WILLIAM MURPHY		0 CR 525	65
075892	IVORY JAMES		0 CR 531	65
083623	LISA D LOFLAND		0 LOT 96	70
065348	WILLIE MAE SANDERS		0 Lt B23	72
076176	MARILYN & HERMAN WILLIAMS		0 CR 225	75
074651	KAYE CONSTRUCTION CO		0 CR 525	78
075637	WILLIAM ALSTON		0 RT 53	80
091406	JOHN T. ELLIOTT, SR.		0 CR 404	85
063503	CLYDE MELLIN		0 REFUEL	100

675 records selected.

SOL: spool off

AR100162

AGENCY NAME	MOD BRID	PROJ N	LOCAL	COLLECT
062775 LAKESIDE ESTATES	09200800		P RT 17	25
062776 JOHN THOMAS			P LST 2	150
062777 JOHN THOMAS			P CR 481	120
062778 JOHN THOMAS			P CR 481	120
062779 JOHN THOMAS			P CR 481	120
062780 WHEELER - CME JARDENS			P REPAIR	780
073996 DAVID B WEBB JR	09200920		P CR 481	72
073997 ROBERT M DOUGHTY			P RT 20	75
073998 DAVID B WEBB JR			P CR 481	396
074391 NANTICOKE PARTNERS LTD (ELSONY REST)	09200940		P RT 20	100
074402 THEODORE B SIMPLER			P CR 525	120
074401 THEODORE B SIMPLER			P CR 525	135
074176 CHRISTIAN CHURCH OF SEAFORD	09200960		P US 13	61
067757 GOLDEN CORRAL - JACK CRANE			P Restruct	115
075842 TIDEWATER UTILITIES, INC.	09201080		P RT 13	92
071602 FRED HERTRICH	10000840		P RT 13	90
RAYMOND C JUSTICE	10400900		P Deli	100
LHI			P RT 20	120
057459 SUSSEX CO. COMMUNITY ACTION AGENCY	10401000		P 40Acra	55
070443 SUSSEX CO. COMMUNITY ACTION AGENCY			P CR 525	95

20 records selected.

SQL: spool off

AR100163

EXPEDID AGENCY NAME	MOB, BRID AND LN # LOCAL ID	MOLE DEPTH
040004 TOWN OF BLADES	06800840 P RW#1	95
040005 TOWN OF BLADES	P RW#2	95
040007 TOWN OF BLADES	P RW#1	100
040008 JEPHATH'S WITNESS	06810840 P CR 483	80

SQL> spool off

AR100164

AGENCY NAME	MOB_SRTD	MOB_SRTD -12_M	MOB_SRTD -12_M	MOB_SRTD -12_M
07817 WILLIAM ZOLLEK	06800940	D LOT 32	25	
07851 DONALD EISENBERG		D REPWEL	28	
07887 RAY L. WALTERS		D LOT 10	30	
07901 LEON A. GOSLEE, JR.		D CR 490-A	30	
07911 RICHARD F. KNOTTS		D CR 490	30	
07921 ROBERT F. FISHER		D	35	
07931 DAVID SPENCER		D LOT 3	35	
07935 DONALD EISENBERG		D	40	
07947 HELEN M. MCCRE		D	40	
07953 JOHN M. SANDY		D CR 490A	40	
08130 KENNETH MARTIN		D LOT 5	44	
08395 CHARLES D. BALL		D CR490A	45	
08475 GEORGE L. RUFF		D REPWEL	45	
08915 CARL ROEST		D CR 487	45	
08921 ROBERT F. FISHER		D	47	
08428 JOHN H. BERTELS		D LOT 16	50	
08800 JAMES E. STURGIS		D CR490A	50	
07743 PAUL & DONNA BENNINGTON		D LOT 15	50	
07979 HOWARD ADKINS		D	50	
066497 NORRIS M. WINDSOR		D REPWEL	50	
06214 STEVE GILES		D 78+490	50	
090781 ROBERT FISHER		D CR 490A	50	
073495 CHARLES & BARBARA FLEETWOOD		D CR490A	55	
073698 LEON W. CROSS		D CR490A	55	
091973 DR. RICK SIMONS		D RD 490A	55	
077822 NICHOLAS NICOLETAS		D CR490A	55	
057816 CLYDE WALKER		D REPWEL	55	
058698 JERRY MURPHY		D 124CRE	60	
06027 BRUCE P. JOHNSTON		D LOT 67	60	
07111 WILLIAM PARMELEE		D REPWEL	60	
07111 DANIEL SCHREFFLER		D RT 13	60	
066447 ROBERT BOVE		D REPWEL	60	
065749 MAYA AGARWAL		D REPWEL	60	
063092 WILLIAM E. LLOYD JR.		D REPWEL	60	
02111 CHARLES McELROY II		D King Ct	60	
060575 MICHAEL S. CHERRIX		D RD490A	60	
057708 GARY S. PASSWATERS		D RD490A	60	
059255 LINDA HOEFELICH		D LOT 35	62	
067928 LARRY K. FINK		D CR 490	65	
068624 CHESTER G. HARRISON		D RD 490	65	
064654 JOHN C. PAINTER		D Lt 4+2	70	
072144 FRED HERTRICH		D RD 490, LT13&14	70	
079146 ERICK MESSICK		D	70	
025654 DELMARVA PROPERTIES INC		D CR490A	74	
07114 DELMARVA BUILDERS		D LOT 64	75	
064742 JOHN C. PAINTER		D Lt 4+2	80	
071454 JOHN BERTELS		D CR 490-A	80	
071807 DIANE & MATTHEW SPICER		D RD 490	80	
072940 ED TRUITT		D RIVER	90	
07537 JAMES PRICE		D LT 67, RD 490-A	90	
077467 JAMES C. ROMING		D LOT 10	95	
079278 JAMES HUFFMAN		D CR 487	97	
072336 JOHN CORCORAN		D REPWEL	98	
073110 RUSS MURPHY		D CR 490	100	
073110 PATRICK & MELINDA BRETT		D CR 487	338	

AR100165

INSTRID	AGENCY NAME	MOB_STRID	HID_UN	LOCALID	ROLE_DEPTH
175519	FLOYD LANFORD	05501120		D REPWEL	40
175570	ANTHONY CRISCO			D CR 17	50
175577	MRS MARIE ALLEN FASGWATERS			D CR 541	50
175578	ALAN L & ANNA S JOSEPH			D CR 12	55
175580	CLYDE BUN			D REPWEL	50
175582	EDWARD CHARNOY			D RT 17	50
175583	ANTHONY CRISCO			D RT 17	50
175585	FREDERICK L WALL			D CR 13	55
175594	GREGG BYLER			D RT 18	70
175596	MARY MESSICK			D RT 17	70
175620	ROBERT NIBBLETT	09200800		D CR 487	0
175624	FRANK K WILLS III			D 7E+487	0
175635	GEORGE JOSEPH			D CR 485	25
174720	JERRY MURPHY			D CR 487	30
175644	JADE RUN SOD FARM			D LOT 4, CR 493	40
175659	JADE RUN SOD FARM			D LOT 3/CR 493	40
1756630	DIANA T WATKINS			D CR 492	42
1756702	JOHN P MAHETTA			D VT 487	42
1756815	CRAIG P MOORE			D CR 487	50
1756955	JADE RUN SOD FARM			D LOT 2/CR 493	50
17568119	RICHARD DAVIS			D RT 78	55
17568490	RUTH E JOYCE			D CR 493	50
1756853	HELEN MARINE			D CR 493	50
1756958	JADE RUN SOD FARM			D LOT 6/CR 493	50
175690285	DEAN MOORE			D CR 487	50
17568036	GERALDINE L. RANERI			D MAINST	50
1756998	GEORGE JOSEPH			D CR 485	55
1756829	FRED P DUKES & GLORIA FOSKEY			D CR 487	55
17568479	J BRANDON STURGIS			D CR 487	55
17568138	FRED DUKES			D CR 487	70
1756822	VELMA COLLISON			D CR 485	90
17568710	JADE RUN SOD FARM			D CR 485	90
1756899	ALLEN ROGERS JR			D RD 78	95
1756977	RAY & GAIL MULLER			D CR 79	110
17568294	RAY & GAIL MULLER			D CR 78	150
1756849	LESTER F & HELEN WORKMAN	09201080		D REPWEL	0
17568440	KENNETH J ARNEY			D CR 18	50
17568243	GEORGE MOORE			D CR 18	55
17568463	JOHN W SHENTON			D RT 18	50
1756862	STEVE GLENN	09400840		D RD 487	0
17568600	RAY L HARRIS			D REPWEL	22
1756871	DAVID A BAILEY			D	36
1756857	JOE HOLT			D CR 485	40
17568901	RALPH WILLIAM ALLEN			D R 17A	43
17568675	E W JUDSON			D REPWEL	45
1756895	EDITH WARD			D ALT 13	45
17568738	ROSE MARIE ROBINSON			D MURDOC	45
17568739	ROSE MARIE ROBINSON			D MURDOC	45
17568792	WILLIAM H MORGAN JR			D REPWEL	48
17568742	MICHAEL E BOWERS			D ALT 17	50
1756851	ROLAND J SAMMONS			D REPWEL	55

AR100166

NAME	ADDRESS	CITY	STATE	ZIP
087115 RICHARD ROBERTS	09400340	D CR 422		51
087117 JOHN F L PATRICK McLAUGHLIN JR		D CR 422		51
087119 PAUL W ALLEN ONE NEWTON POMER		D CR 422		51
087121 GEORGE W L SPANIS CRESTVIEW, SF		D CR 422		51
087123 PAUL WILLIAM ALLEN				51
087125 JAC WILSON		D REPWEL		51
087127 FRED O'NEAL		D		51
087129 TIMOTHY L SHIRLEY MARKS		D RT 12A		51
087131 TEX K & THEODORE MOUNTS		D CR 427		73
087133 DAVID A BAILEY		D CR 425		55
087135 PETER SINGLETON		D CR 425		102

081627 WILLIAM PRESIDENT	09401080	D		0
082299 MILTON E PASSWATER		D REPWEL		50
082008 VELMA S SHENTON		D RT 18		50
082703 WILLIAM DIX		D RT 13		50
087123 MILDRED ADAMS		D RT 13A		57
072569 DONALD HASTINGS		D CR 18		50
079042 JOHN D HILL		D RT 18		50
079982 NELSON FOSKEY		D		50
079257 COULTER PASSWATERS		D CR 404		51
083620 ALICE HAVENS		D OFF 13A		70
083117 JOHN E. MARTIN		D LOT 8		70
077456 GEORGE SHAIN		D RT 113A		70
082200 WILLARD ESKRIDGE		D REPWEL		80
081582 LAWRENCE R NELSON		D RD 13A		34
087612 LAYTON HARRIS		D LOT 4		85
087612 EARL PASSWATERS		D L		91
087612 COMMON WEALTH TRUST CO		D FRONT		110
088299 WILLIAM H BURBAGE		D RT 46/LOT 19-20		110

082291 WILLIAM HANKINS	09600800	D		0
087117 WILLIE D HUFFMAN		D REPWEL		39
083325 FRANCIE ONSAL		D RT 13A		45
084581 PARKER WHEATLEY		D REPWEL		47
087217 ED MARVIL		D REPWEL		50
075550 LONNIE B CALDWELL		D		50
087294 GORDON RAMEY		D REPWEL		50
087472 PAUL H. AGUILLEN		D		60
087025 E JEAN LOGAN		D REPWEL		60
080957 JADE RUN BOO FARM		D LOT 7		60
080954 JADE RUN BOO FARM		D LOT 5/CR 493		60
087231 GEORGE DENNEY		D Main St		66
084408 JERRY B MATZING		D LOT 32		72
080274 DENNIS HEARN		D CR 493		107
082584 MICHAEL BODDORF		D CR 493		160

150 records selected.

BOL: spec: off

AR100167

INFECTION	ADDRESS NAME	NO. BRID	NO. N	NO. LID	NO. DEFTH
170412	ROBERT J. WHEATLEY	08800840	A	WCHNFM	59
172100	WILLIAM E. LLOYD JR		A	CR 490	81
187707	EDWARD & ALEIN CRANSTON		A	LOT 24 RT 10A	100
178724	ROBERT RICE SR	08801100	F	RT 18	75
171511	STEVE GLENN	09200800	A	CR 485	80
172519	JAMES F. MILLS		A	CR 487	70
189001	STEVEN D HENRY		A	78-492	80
170729	JAMES F. MILLS		A	CR 487	93
110529	FRED MARTIN O'NEAL		R	#3	98
110572	FRED MARTIN O'NEAL		R	#5	100
138782	FRED O'NEAL & SONS		R	CR 79	100
110528	FRED MARTIN O'NEAL		R	#4	102
138102	FRED MARTIN O'NEAL		R	#1	105
147554	LAKEVIEW FARMS TILLER JOHN HASTINGS		R	RT 493	135
052627	DONALD EISENBREY	09400840	R	CR 487	50
150374	EARL PASSEWATERS	09401080	P	LEIS R	0
150404	KENNETH W. WILSON		P	LEIS R	0
052892	WHEATLEY FARMS, INC.		R	12/546	50
052677	WHEATLEY FARMS, INC.		R	12/546	89
040197	EARL PASSEWATERS		R	2EARLS	93
027777	EARL PASSEWATERS	clg	R	#1	96
047652	EARL PASSEWATERS		R	WILLEY	96
040257	EARL PASSEWATERS		R	300ULT	100
048290	WHEATLEY FARMS, INC.		R	RT 18	100
10421	EARL PASSEWATERS		R	WILLEY	117
032057	LAKEVIEW FARMS TILLER JOHN HASTINGS 09600800		R	#2	55
010557	MARSHALL HASTINGS		R	1a	81
032911	MARSHALL HASTINGS		R	#1	81
032690	LAKEVIEW FARMS TILLER JOHN HASTINGS		R	#2	83
055630	ROBERT J. WHEATLEY		R	RD.493	119
001935	ROBERT J. WHEATLEY		R	WCHNFM	140

21 records selected.

END. 2000 015

AR100168

APPENDIX D
CENSUS REPORT FOR THE FOUR MILE RADIUS AROUND THE SITE
(DERIVED FROM THE STATE OF DELAWARE DEVELOPMENT OFFICE)

AR100169

CENSUS TRACT # 503

$$\begin{array}{r} 104 \\ - 44 \\ \hline 113 \end{array}$$

CENSUS TRACT #518

75% (3)

34	75%	145
79	Total	118
14	Total	100
84	Total	100

COMBINED w/ 096-094 100% (1.0)
2.5% (1.5) 2.5% (1.0)

NLA =
DULLES 4 mile.
RAPIDS

$$\begin{array}{r} 21 \\ 22 \\ 105 \\ 27 \\ \hline 174 \end{array}$$

$\frac{0}{0} = \frac{1}{4}$

mile
 $\frac{1}{4} \cdot \frac{1}{2}$ 21
 82
 301

 [404]

12-1-1

28
104
20
329
1205
43

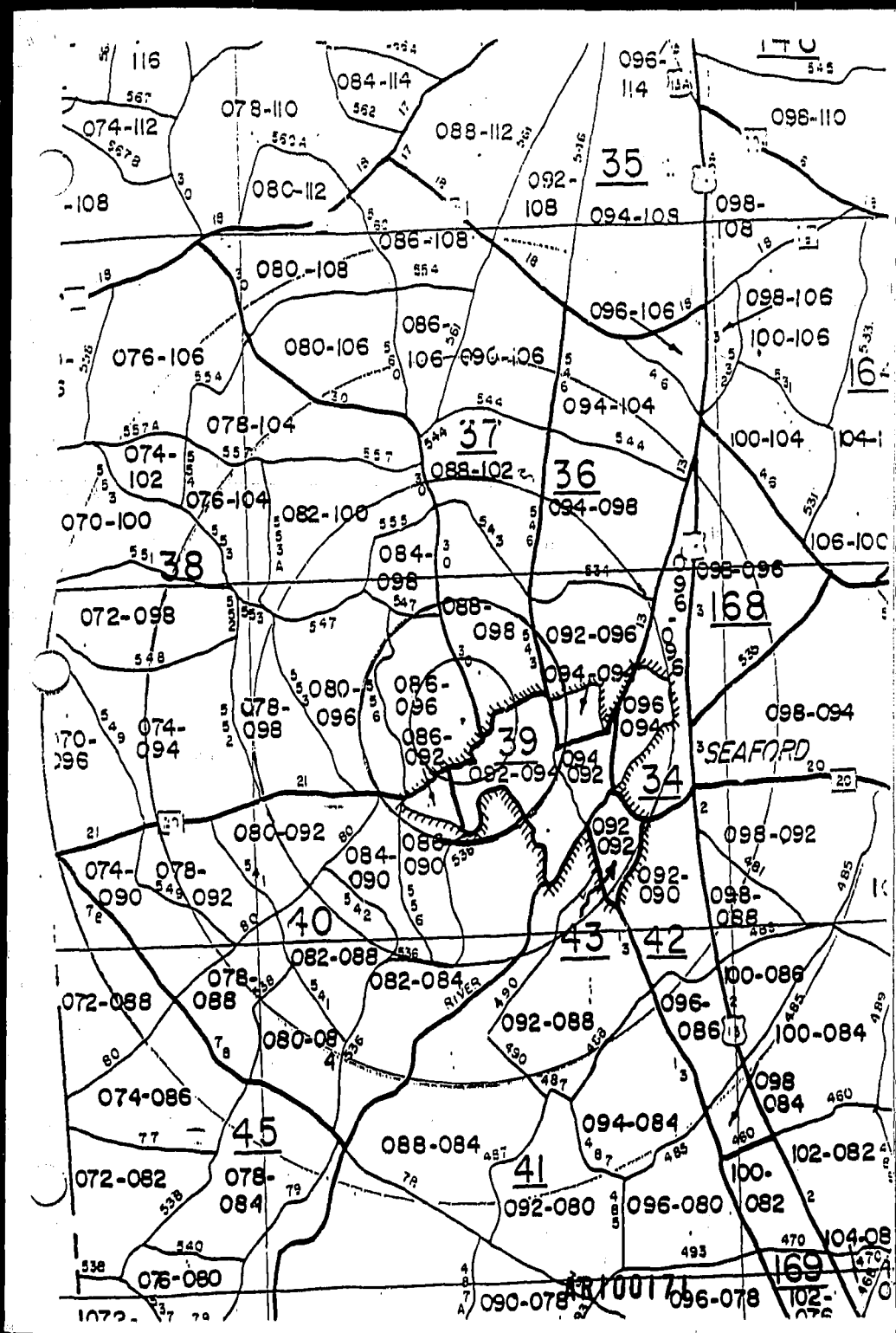
1789

7-2

56
116
84
94
32
42
62
67
60
42
806
602
279
105
127
34

2001

AR100170



APPENDIX E
HEALTH ADVISORY REPORT

AR100172



DELAWARE HEALTH
AND SOCIAL SERVICES

DIVISION OF PUBLIC HEALTH

September 21, 1992

HAND DELIVERY

John Hedrick
Seaford Water Dept.
PO Box 1100
Seaford DE 19973

Dear Mr. Hedrick:

Recently, water samples were taken from your public supply for volatile organic analyses. The results are as follows:

<u>DATE</u>	<u>LOCATION</u>	<u>RESULTS/PPM</u>
08/02/92	620 W. Spruce St.	11.1 ppb of PCE*
08/21/92	Arbutus Well Tap	9.80 ppb of PCE
09/01/92	620 W. Spruce St.	9.27 ppb of PCE
09/01/92	513 W. Spruce St.	11.3 ppb of PCE
09/01/92	Arbutus Well Tap	12.7 ppb of PCE

*ppb (parts per billion) PCE (tetrachloroethylene)

The results of these analyses indicate that the contaminant levels of tetrachloroethylene (PCE) exceed the standard of 5 parts per billion (ppb) PCE nitrogen as prescribed in the "Delaware Regulations Governing Public Drinking Water Systems." It will, therefore, be required that public notification will have to be issued.

Tetrachloroethylene: The United States Environmental Protection Agency (EPA) sets drinking water standards and has determined that tetrachloroethylene is a health concern at certain levels of exposure. This organic chemical has been a popular solvent, particularly for dry cleaning. It generally gets into drinking water by improper waste disposal. This chemical has been shown to cause cancer in laboratory animals such as rats and mice when the animals are exposed at high levels over their lifetimes. Chemicals that cause cancer in laboratory animals also may increase the risk of cancer in humans who are exposed over long periods of time. EPA has set the drinking water standard for

Received by

Date

AR100173

Seaford Water Department
September 21, 1992
Page 3

Such public notice of acute violation shall:

1. Be conspicuously displayed.
2. Disclose all material facts regarding the subject.
3. Disclose the nature of the problem.
4. Provide a clear statement that a primary maximum contaminant level (PMCL) has been exceeded.
5. The public notice shall continue to be mailed every three months until such time that the violation has terminated.
6. The owner or operator of a community water supply must give a copy of the most recent public notice for any outstanding violation of any maximum contaminant level (MCL) to all new billing units or new hookups prior to or at the time service begins.

Enclosed is a draft of the notice of acute violation of the nitrate standard included in the "State of Delaware Regulations Governing Public Drinking Water Systems." Please review. Any alterations must be discussed with this office prior to posting or hand-delivery. As owner or operator of this supply, you must begin hand delivery or posting as soon as possible, but no later than 72 hours after notification of this violation. If the enclosed draft is accepted as is, it or a copy of the altered document as it is presented to residents shall be sent to the Division of Public Health within 10 days, with approval noted.

If you have any questions regarding this matter please do not hesitate to call 739-5410.

Sincerely,

Lyman J. Olsen, M.D.
Medical Director

JB/lb
Enc.
cc: Southern Health Unit

AR100174

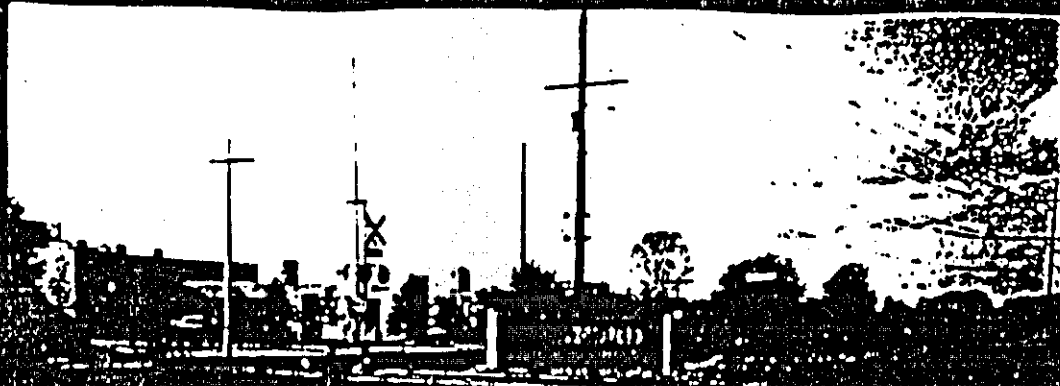
APPENDIX F
PHOTO LOG

AR100175

PHOTO DOCUMENTATION LOG

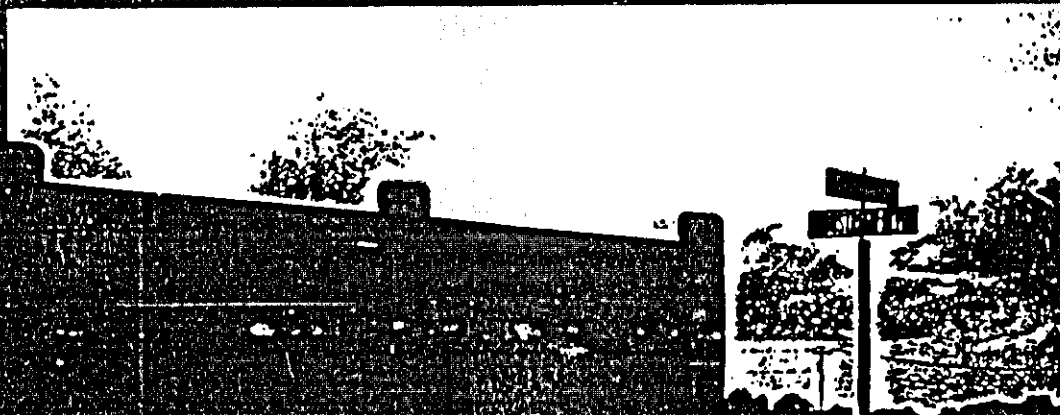
1. View of entrance to Seaford Industrial Park looking south to north.
2. View of sign for Seaford Industrial Park which indicates the facilities present.
3. View of S.C. Johnson and Son facility looking south to north.
4. View of Orient Chemical Corporation looking south to north.
5. View of Southern Metals Receiving Area looking west to east.
6. View of James A. Cassidy Company looking west to east.
7. View of Carolina Trucking facility looking north to south. Note the drainage ditch in the foreground.
8. View of railroad tracks which border the Seaford Industrial Park to the east.
9. Picture of ditch system which is throughout the Seaford Industrial Park.
10. Picture of detention pond located adjacent (to the east) to the Arbutus well field.
11. Picture of detention pond looking east to west. The Arbutus well is located in the background (corrugated roof).
12. Picture of Arbutus well looking south to north.

AR100176



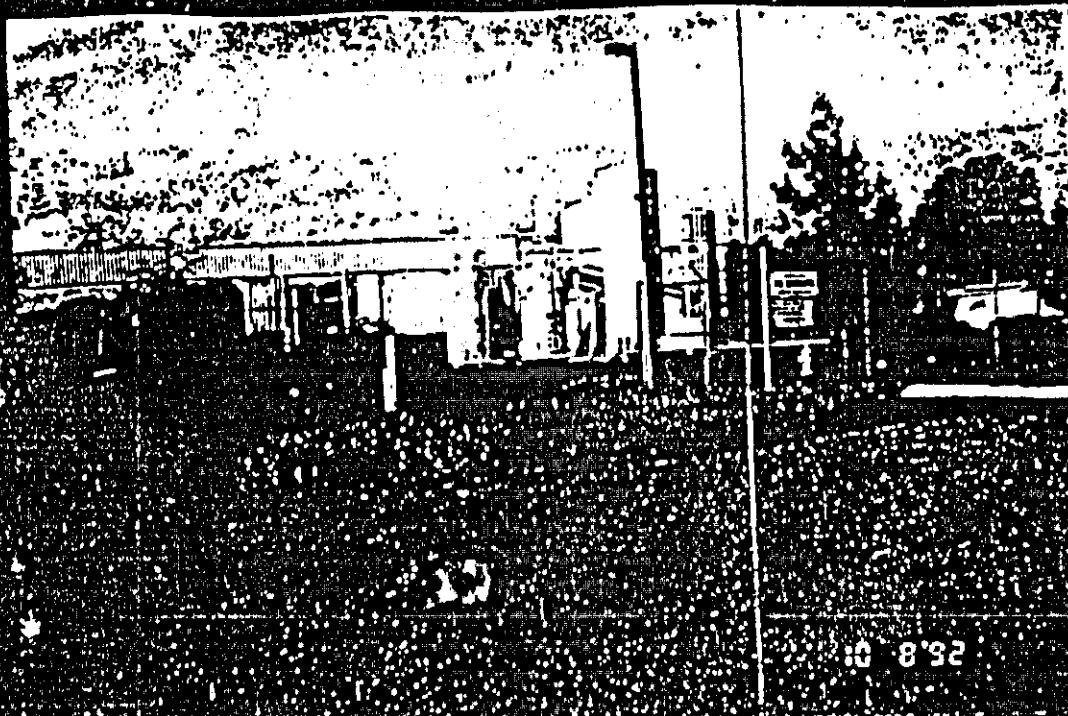
10 8'92

ENTRANCE TO THE SEAFORD INDUSTRIAL
PARK



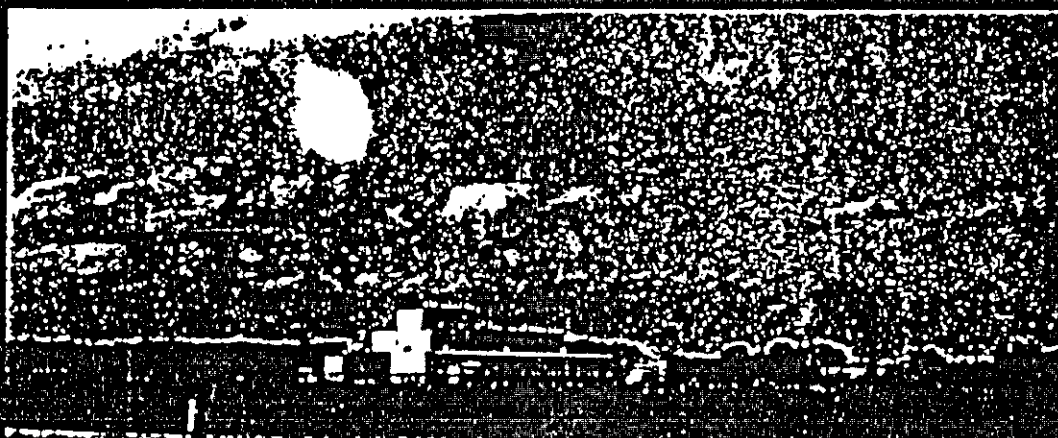
10 8'92

NAMES OF THE FACILITIES IN THE
INDUSTRIAL PARK 2



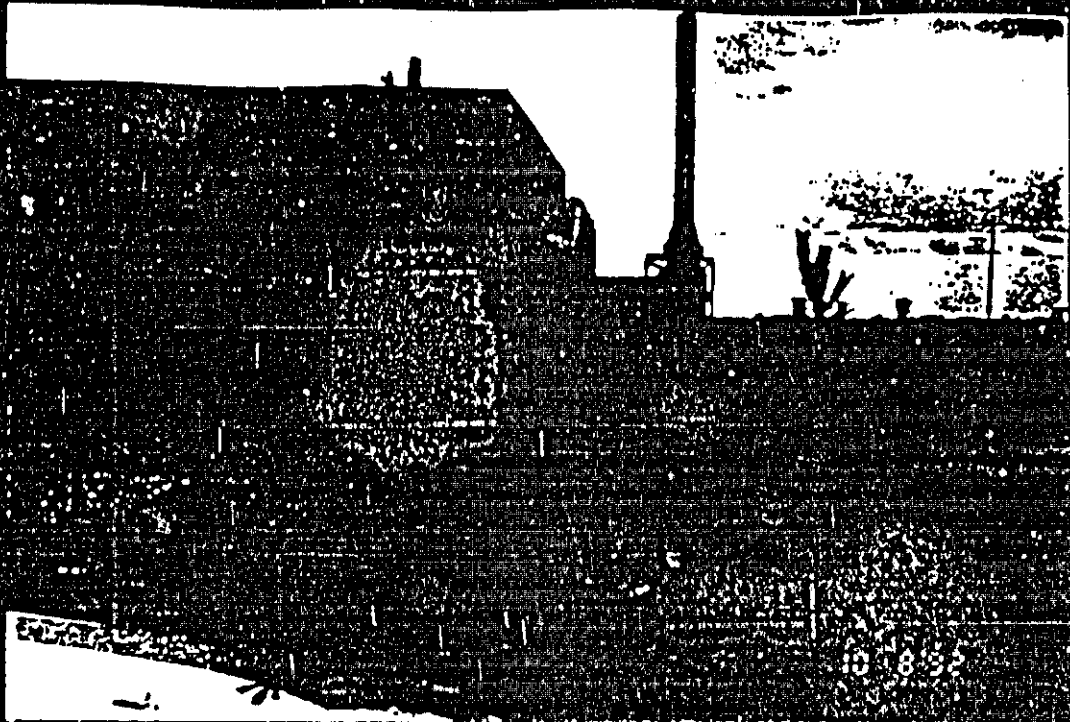
10 8'32

S.C. JOHNSON & SON FACILITY
3



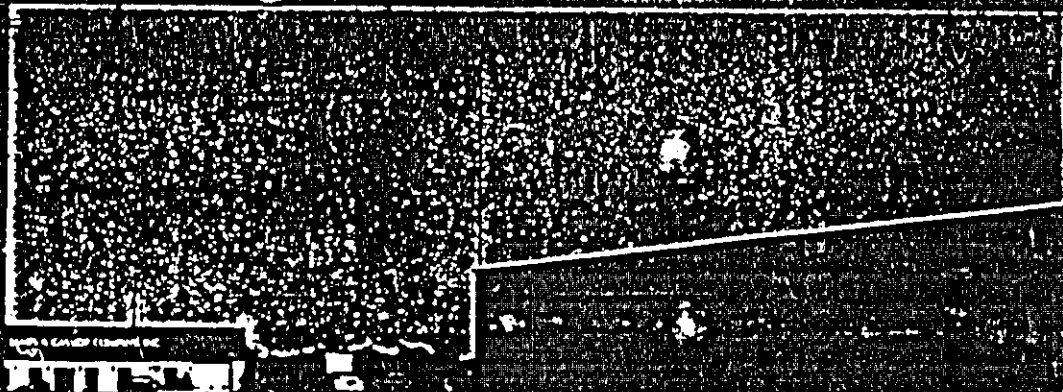
10 8'32

ORION CORPORATION FACILITY
4



SOUTHERN METAL PROCESSING FACILITY

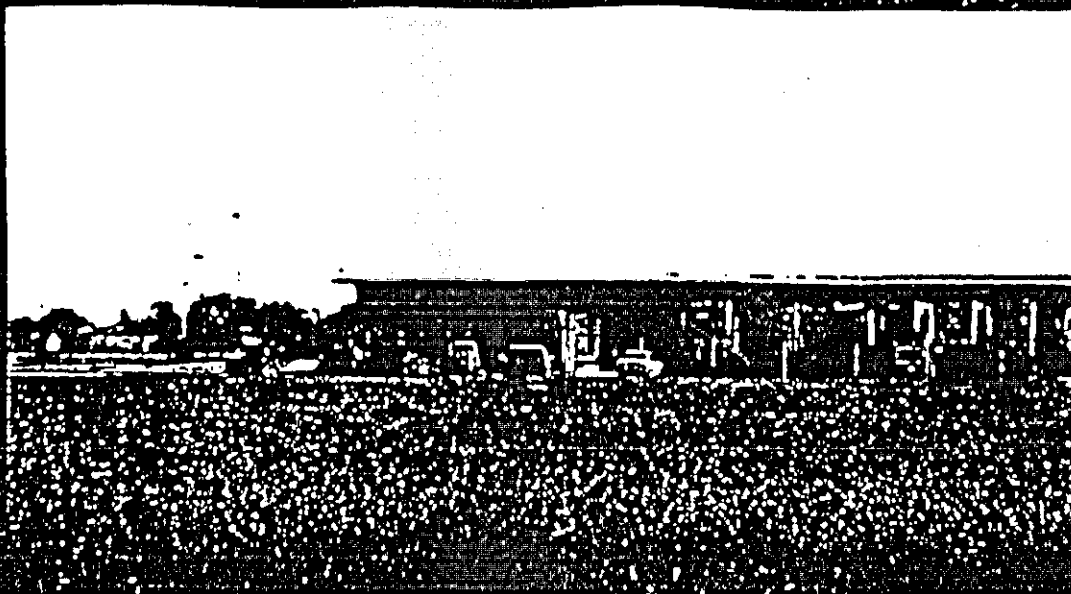
5



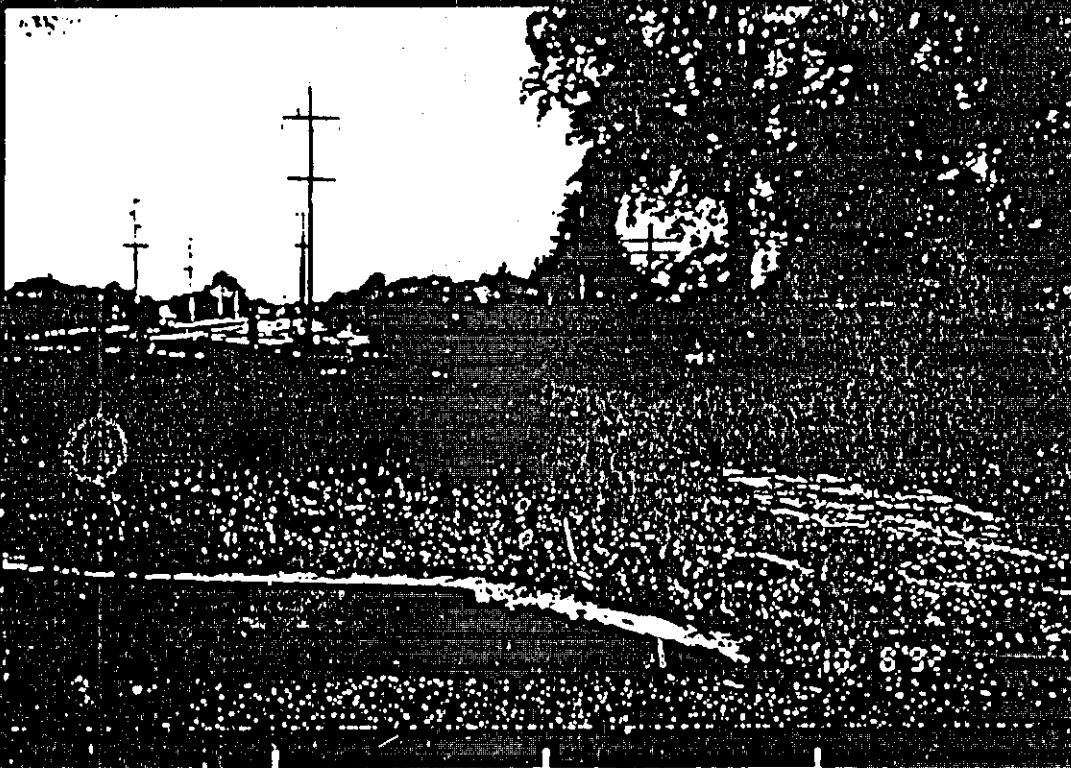
JAMES A. CASSIDY COMPANY, INC.

JAMES A. CASSIDY COMPANY, INC.

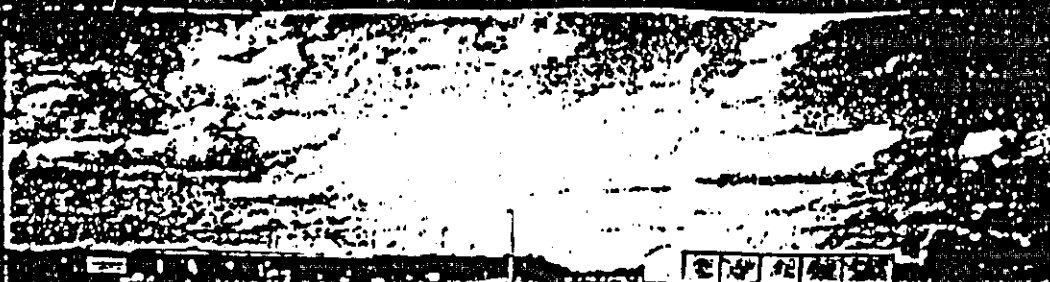
6



CAROLINA TRUCKING FACILITY NORTH
OF THE ARBUTUS WELL 7



RAIL ROAD TRACKS ABOUT HALF A MILE
EAST OF THE ARBUTUS WELL 8

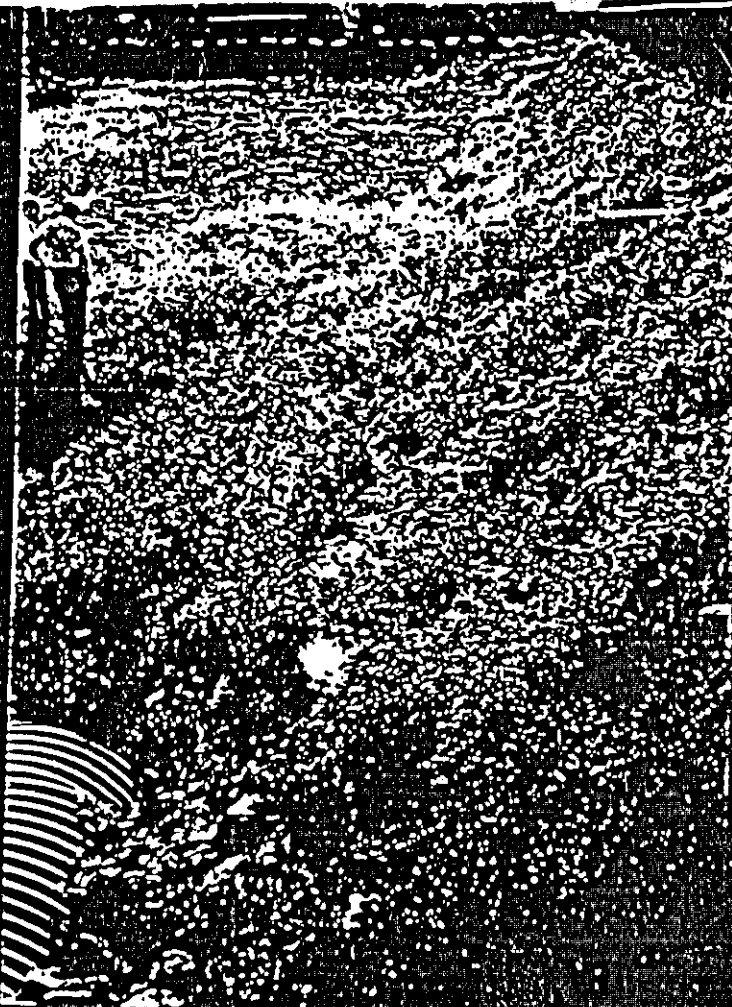


PICTURE OF THE DITCH LEADING INTO
THE DETENTION POND EAST OF THE
ARBUTUS WELL 9

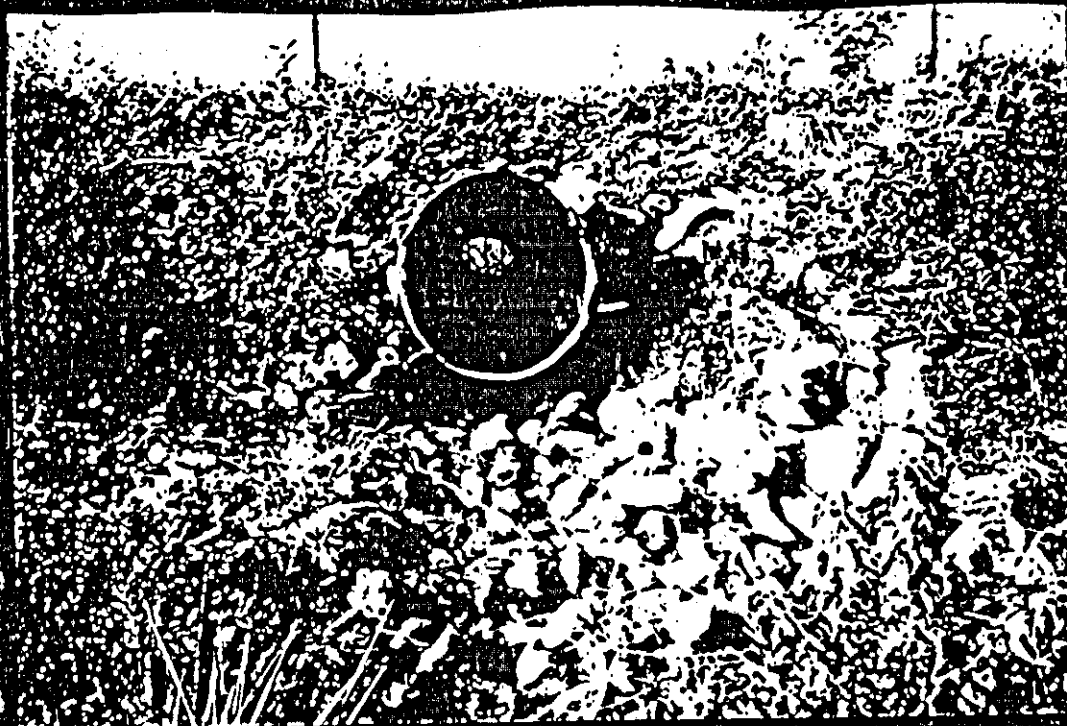


PICTURE OF THE DETENTION POND
10

PICTURE SHOWING INSIDE OF THE
DETENTION FINE

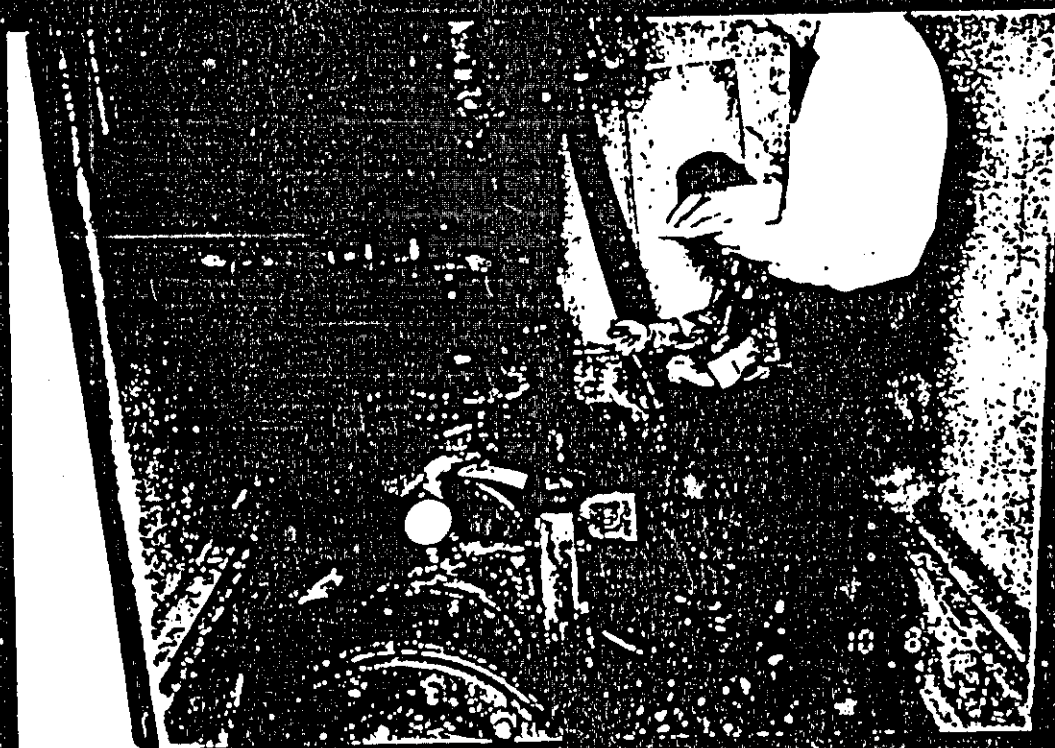


WATER PUMPING STATION 00-0212



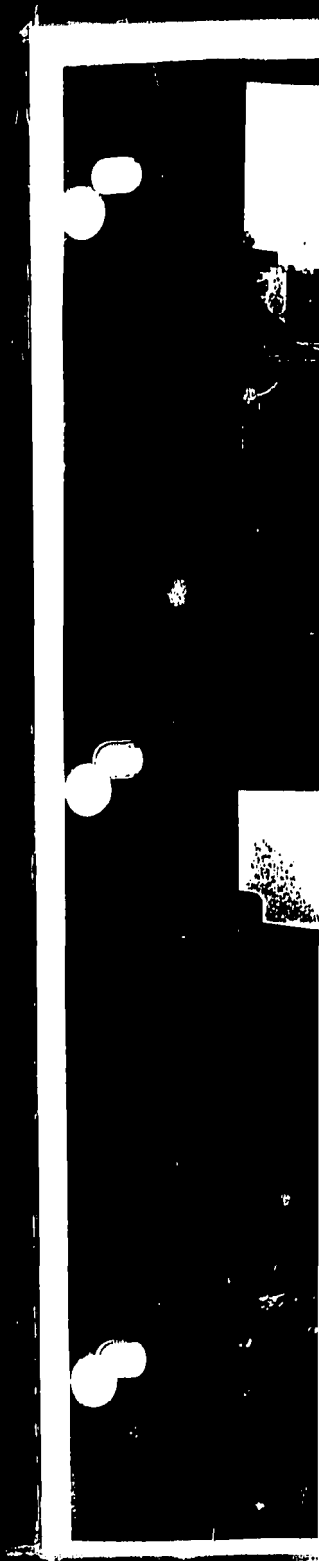
— DISCHARGE INTO THE DETENTION POND —

13



AB 100183 THE WATER PUMPING STATION —

14



APPENDIX G
PRE SCORE FOR PA

AR100184

OMB Approval Number: 2050-0095
Approved for Use Through: 1/92

FA SOUTHEAST

Site Name: SEAFORD ARBUTUS WELL FIELD
CERCLIS ID No.: 265
Street Address: SOUTH END OF PARK DRIVE & IVY DRIV
City/State/Zip: SEAFORD, DE 19973

Investigator: KARL KALBACHER
Agency/Organization: DE DNREC/CERCLA
Street Address: 715 GRANTHAM LANE
City/State: NEW CASTLE, DE

Date: 12/1/92

AR100185

WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

1 TETRA CHLOROETHENE

Other

WQ value maximum

Volume

1.50E+07 cu ft

2.22E+05 '2.22E+05

AREA OF CONTAMINATION UNKNOWN

ESTIMATE OF CONTAMINATION IN VOLUME IS 15,000,000 FT 3 BASED ON
WIDTH OF 300' X LENGHT OF 500' X SATURATED THICKNESS OF UNCONFINED
AQUIFER OF 100'

Ref: 3

Waste Characteristics Score: WC = 100

AR100186

Ground Water Pathway Criteria List
Suspected Release

Are sources poorly contained? (y/n/u)	Y
Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	Y
Is precipitation heavy? (y/n/u)	Y
Is the infiltration rate high? (y/n/u)	Y
Is the site located in an area of karst terrain? (y/n)	N
Is the subsurface highly permeable or conductive? (y/n/u)	Y
Is drinking water drawn from a shallow aquifer? (y/n/u)	Y
Are suspected contaminants highly mobile in ground water? (y/n/u)	Y
Does analytical or circumstantial evidence suggest ground water contamination? (y/n/u)	Y
Other criteria? (y/n)	N

SUSPECTED RELEASE? (y/n) Y

Summarize the rationale for Suspected Release:

THE ARBUTUS WELL IS A PUBLIC WELL. RECENT PUBLIC HEALTH SAMPLING OF
THE WATER HAS REVEALED PCE CONTAMINATION ABOVE THE MCL.

Ref:

AR100187

Ground Water Pathway Criteria List
Primary Targets

Is any drinking water well nearby? (y/n/u)	Y
Has any nearby drinking water well been closed? (y/n/u)	Y
Has any nearby drinking water well user reported foul-testing or foul-smelling water? (y/n/u)	Y
Does any nearby well have a large drawdown/high production rate? (y/n/u)	Y
Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance? (y/n/u)	Y
Does analytical or circumstantial evidence suggest contamination at a drinking water well? (y/n/u)	Y
Does any drinking water well warrant sampling? (y/n/u)	Y
Other criteria? (y/n)	N

PRIMARY TARGET(S) IDENTIFIED? (y/n) Y

Summarize the rationale for Primary Targets:

THE ARBUTUS WELL, A PUBLIC WELL, HAS BEEN CONTAMINATED WITH PCE AT
LEVELS WHICH EXCEED THE DRINKING WATER STANDARD OF 5 PPB

Ref: 1

AR100188

GROUND WATER PATHWAY SCORESHEETS

Pathway Characteristics

		Ref.
Do you suspect a release? (y/n)	Yes	
Is the site located in karst terrain? (y/n)	No	
Depth to aquifer (feet):	15	2
Distance to the nearest drinking water well (feet):	0	2
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release
1. SUSPECTED RELEASE	550	
2. NO SUSPECTED RELEASE		0
LR =	550	0

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 5400 person(s)	54000		
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) N	275	0	
5. NEAREST WELL	50	0	
6. WELLHEAD PROTECTION AREA None within 4 Miles	0	0	
7. RESOURCES	5	0	
T =	54330	0	

WASTE CHARACTERISTICS

WC = 100 0

GROUND WATER PATHWAY SCORE:

100

AR100189

Ground Water Target Populations

Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	Value
1 ARBUTUS WELL	0.00	5400	1	54000
None				
Total				54000

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	403		52
Greater than 1/4 to 1/2 mile	404		32
Greater than 1/2 to 1 mile	1789		29
Greater than 1 to 2 miles	2670		68
Greater than 2 to 3 miles	4045		42
Greater than 3 to 4 miles	3371		
Total			275

AR100190

PA-Score 1.0 Scoresheets
SEAFORD ARBUTUS WELL FIELD - 12/09/92

Page: 6

Proportionment Documentation for a Blended System

AR100191

Surface Water Pathway Criteria List
Suspected Release

Is surface water nearby? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	U
Is the drainage area large? (y/n/u)	N
Is rainfall heavy? (y/n/u)	Y
Is the infiltration rate low? (y/n/u)	N
Are sources poorly contained or prone to runoff or flooding? (y/n/u)	N
Is a runoff route well defined(e.g.ditch/channel to surf.water)? (y/n/u)	N
Is vegetation stressed along the probable runoff path? (y/n/u)	N
Are sediments or water unnaturally discolored? (y/n/u)	N
Is wildlife unnaturally absent? (y/n/u)	N
Has deposition of waste into surface water been observed? (y/n/u)	
Is ground water discharge to surface water likely? (y/n/u)	
Does analytical/circumstantial evidence suggest S.W. contam? (y/n/u)	N
Other criteria? (y/n)	N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:

AR100192

Surface Water Pathway Criteria List
Primary Targets

Is any target nearby? (y/n/u)	If yes:	Y
N Drinking water intake		
N Fishery		
Y Sensitive environment		
Has any intake, fishery, or recreational area been closed? (y/n/u)		N
Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target? (y/n/u)		N
Does any target warrant sampling? (y/n/u)	If yes:	N
N Drinking water intake		
N Fishery		
N Sensitive environment		
Other criteria? (y/n)		N

PRIMARY INTAKE(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Intakes:

continued -----

AR100193

continued -----

Other criteria? (y/n) N

PRIMARY FISHERY(IES) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Fisheries:

Other criteria? (y/n) N

PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Sensitive Environments:

AR100194

SURFACE WATER PATHWAY SCORESHEETS

Pathway Characteristics			Ref.
Do you suspect a release? (y/n)	No		
Distance to surface water (feet):	0		
Flood frequency (years):	1-10		
What is the downstream distance (miles) to:			
a. the nearest drinking water intake?	0.0		
b. the nearest fishery?	0.0		
c. the nearest sensitive environment?	0.0		
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		500	
LR =	0	500	

AR100195

Drinking Water Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type, flow (if applicable), and number of people served by each drinking water intake.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	0	
6. NEAREST INTAKE	0	0	
7. RESOURCES	0	5	
T =	0	5	

Drinking Water Threat Target Populations

Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served	Ref.	Value
1 nanticoke river	N		0		0
Total Primary Target Population Value					0
Total Secondary Target Population Value					0

AR100196

PA-Score 1.0 Scoresheets
SEAFORD ARBUTUS WELL FIELD - 12/09/92

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Proportionment Documentation for a Blended System

AR100197

Human Food Chain Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
8. Determine the water body type and flow for each fishery within the target limit.			
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	0	12	
T =	0	12	

Human Food Chain Threat Targets

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 nanticoke river	N	>10000 cfs		12
Total Primary Fisheries Value				0
Total Secondary Fisheries Value				12

AR100198

Environmental Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
11. Determine the water body type and flow (if applicable) for each sensitive environment.			
12. PRIMARY SENSITIVE ENVIRONMENTS	0		
13. SECONDARY SENSITIVE ENVIRONS.	0	10	
T =	0	10	

Environmental Threat Targets

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 Nanticoke River	N	>10000 cfs		12
Total Primary Sensitive Environments Value				0
Total Secondary Sensitive Environments Value				0

AR100199.

Surface Water Pathway Threat Scores

Threat	Likelihood of Release (LR) Score	Targets (T) Score	Pathway Waste Characteristics (WC) Score	Threat Score LR x T x WC / 82,500
Drinking Water	500	5	100	3
Human Food Chain	500	12	100	7
Environmental	500	10	100	6

SURFACE WATER PATHWAY SCORE:

16

AR100200

Soil Exposure Pathway Criteria List
Resident Population

Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination? (y/n/u)	N
Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator? (y/n/u)	N
Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities? (y/n/u)	U
Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems? (y/n/u)	N
Does any neighboring property warrant sampling? (y/n/u)	Y
Other criteria? (y/n)	N

RESIDENT POPULATION IDENTIFIED? (y/n) Y

Summarize the rationale for Resident Population:

AR100201

SOIL EXPOSURE PATHWAY SCORESHEETS

Pathway Characteristics

	Ref.
Do any people live on or within 200 ft of areas of suspected contamination? (y/n)	Yes
Do any people attend school or daycare on or within 200 ft of areas of suspected contamination? (y/n)	Yes
Is the facility active? (y/n):	Yes

LIKELIHOOD OF EXPOSURE	Suspected Contamination	References
1. SUSPECTED CONTAMINATION LE =	550	

Targets

2. RESIDENT POPULATION 5400 resident(s) 0 school/daycare student(s)	54000	
3. RESIDENT INDIVIDUAL	50	
4. WORKERS 101 - 1000	10	
5. TERRES. SENSITIVE ENVIRONMENTS	0	
6. RESOURCES	5	
T =	54065	

WASTE CHARACTERISTICS

WC = 100

RESIDENT POPULATION THREAT SCORE:

100

NEARBY POPULATION THREAT SCORE:

1

Population Within 1 Mile: 1 - 10,000

SOIL EXPOSURE PATHWAY SCORE:

100

AR100202

Oil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
None		
Total Terrestrial Sensitive Environments Value		

AR100203

Air Pathway Criteria List
Suspected Release

Are odors currently reported? (y/n/u)

N

Has release of a hazardous substance to the air
been directly observed? (y/n/u)

N

Are there reports of adverse health effects (e.g., headaches,
nausea, dizziness) potentially resulting from migration
of hazardous substances through the air? (y/n/u)

N

Does analytical/circumstantial evidence suggest release to air? (y/n/u)

N

Other criteria? (y/n)

N

SUSPECTED RELEASE? (y/n)

N

Summarize the rationale for Suspected Release:

AR100204

AIR PATHWAY SCORESHEETS

Pathway Characteristics

Do you suspect a release? (y/n)			No	Ref.
Distance to the nearest individual (feet):			0	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References	
1. SUSPECTED RELEASE	0			
2. NO SUSPECTED RELEASE		500		
LR =	0	500		

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION	0	22	
5. NEAREST INDIVIDUAL	0	20	
6. PRIMARY SENSITIVE ENVIRONS.	0		
7. SECONDARY SENSITIVE ENVIRONS.	0	0	
8. RESOURCES	0	5	
T =	0	47	

WASTE CHARACTERISTICS

WC =	0	100
------	---	-----

AIR PATHWAY SCORE:

28

AR100205

r Pathway Secondary Target Populations

Distance Categories	Population	References	Value
Onsite	0		0
Greater than 0 to 1/4 mile	403		13
Greater than 1/4 to 1/2 mile	404		3
Greater than 1/2 to 1 mile	1789		3
Greater than 1 to 2 miles	2670		1
Greater than 2 to 3 miles	4045		1
Greater than 3 to 4 miles	3371		1
Total Secondary Population Value			22

AR100206

Sensitive Environment Name	Reference	Value
None		
Total Primary Sensitive Environments Value		

Air Pathway Secondary Sensitive Environments

[illegible]

PA-Score 1.0 Scoresheets
SEAFORD ARBUTUS WELL FIELD - 12/09/92

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SITE SCORE CALCULATION	SCORE
GROUND WATER PATHWAY SCORE:	100
SURFACE WATER PATHWAY SCORE:	16
SOIL EXPOSURE PATHWAY SCORE:	100
AIR PATHWAY SCORE:	28
SITE SCORE:	73

AR100208

SUMMARY

1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? Yes

If yes, identify the well(s).

ARBUTUS WELL FIELD AND SURROUNDING DOMESTIC WELLS

If yes, how many people are served by the threatened well(s)? 5400

2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?

A. Drinking water intake

No

B. Fishery

No

C. Sensitive environment (wetland, critical habitat, others)

No

If yes, identify the target(s).

3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility? Yes

If yes, identify the properties and estimate the associated population(s)

4. Are there public health concerns at this site that are not addressed by PA scoring considerations?

No

If yes, explain:

AR100209

REFERENCE LIST

1. DHSS LETTER TO HEDRICK 9/21/92
2. THE AVAILABILITY OF GROUNDWATER IN WESTERN SUSSEX COUNTY., DE
SUNDSTROM, R.W., AND T.E. PICKETT, UNIVERSITY OF DELAWARE WATER,
RESOURCES CENTER, 1970.
3. KALBÄCHER ESTIMATION OF VOLUME OF CONTAMINATION

AR100210

APPENDIX H
ANALYTICAL RESULTS FOR PRODUCTION WELLS IN SEAFORD

AR100211

**DELAWARE HEALTH
AND SOCIAL SERVICES**

DIVISION OF PUBLIC HEALTH

Health Systems Protection
P.O. Box 637
Dover, Delaware 19903
FAX
Number 739-6617

TELECOPY TRANSMITTAL FORM

PLEASE DELIVER TO: Karl Kelbacher

AT: DNREC - SuperFund Branch FAX: 323-4561

FROM: CHAD A. HALL ENSTE PWSSP

Date: 12/1/92

NUMBER OF PAGES (Including transmittal form) 9

If there are any problems with transmission, please call:

CHAD HALL at Telephone No. (302) 739-3410

**MAXIMUM CONTAMINANT LEVEL FOR
EIGHTEEN REGULATED VOC's (mg/l)**

<u>NAME</u>	<u>MCL</u>	<u>ABBREV</u>
1. benzene.....	0.005	BNZ
2. carbon tetrachloride....	0.005	CTT
3. chlorobenzene.....	0.100	CBZ
4. 1,2-dichlorobenzene.....	0.600	ODCB
5. 1,4-dichlorobenzene.....	0.075	PDGB
6. 1,2-dichloroethane.....	0.005	DCA
7. 1,1-dichloroethane.....	0.007	DCE
8. cis-1,2-dichloroethane...	0.070	CDCE
9. trans-1,2-dichloroethane...	0.100	TDCB
10. 1,2-dichloropropane.....	0.005	DCP
11. ethylbenzene.....	0.700	EBZ
12. styrene.....	0.100	STY
13. tetrachloroethane.....	0.005	TCE
14. toluene.....	1.000	TLU
15. 1,1,1-trichloroethane....	0.200	TCA
16. trichloroethane.....	0.200	TCE
17. vinyl chloride.....	0.002	VCL
18. total xylene.....	10.000	TXY

UNREGULATED CONTAMINANTS

<u>ABBREV</u>	<u>NAME</u>	
BBZ	bromobenzene	DPE 1,1-dichloropropane
BCM	bromochloromethane	CDCP cis-1,3-dichloropropene
BDCM	bromodichloromethane	TDCP trans-1,3-dichloropropene
BFM	bromoform	HCBP hexachlorobutadiene
BBM	bromomethane	IPBZ isopropylbenzene
NBBZ	n-butylbenzene	IFT 4-isopropyltoluene
SBBZ	sec-butylbenzene	DCM methylene chloride
TBBZ	tert-butylbenzene	NAP naphthalen
CEA	chloroethane	PBZ propylbenzene
CFM	chloroform	TTE 1,1,1,2-tetrachloroethane
CLM	chloromethane	TTA 1,1,2,2-tetrachloroethane
OCT	2-chlorotoluene	TGB 1,2,3-trichlorobenzene
PCT	4-chlorotoluene	TCZ 1,2,4-trichlorobenzene
CDBM	1,1-dibromochloromethane	TEA 1,1,2-trichloroethane
DBCP	1,1,2-dibromo-3-chloropropane	
EDB	1,2-dibromoethane	TCFM trichlorofluoromethane
DBM	1,1-dibromomethane	TCP 1,2,3-trichloropropane
MDCB	1,3-dichlorobenzene	TMB 1,2,4-trimethylbenzene
DCFM	1,1-dichlorodifluoromethane	MBS 1,3,5-trimethylbenzene
DEA	1,1-dichloroethane	QXY o-xylene
DPA	1,3-dichloropropane	MXI m-xylene
DEA	2,2-dichloropropane	PXY p-xylene

AR100213

Appl. *Isopent Nitro Dept #246*

Year *1967-68*

CFM CDM BDM BFM

Date applied	Date Reported	Lab. No.	Sanitation	Sample Point	Clcl3	ClBr2cl	ClBrcl2	ClBr3	THM	TCE	PCE
<i>4/18</i>	<i>7/26/68</i>	<i>43483</i>	<i>Flashed</i>	<i>351 (one room)</i>	<i>None Detected</i>						
"	"	<i>43486</i>	"	<i>352 (main)</i>	"						
"	"	<i>43493</i>	"	<i>353 (main)</i>	"						
"	"	<i>43494</i>	"	<i>354 (main)</i>	"						

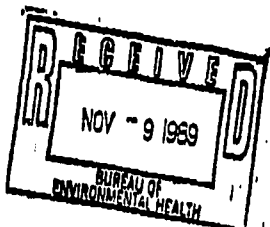
ARI00214

[illegible]



City of Seaford
24 Pine Street Extension
Seaford, DE 19977
Attn: Mr. John Hedrick

Type: DW



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Artesian Resources Corporation

Date: 10 12 89

Page: 1

Submission Number: 1723

RESULT	PPM	UNITS	COMMENTS
Sample Name: 88 Lab 51241			
Arbitrio Well, 909 E. 1st St., Seaford			
Sample Dates 09/22/89		Sample Time 10:45	
Sampled by: Turner			
Dichlorodifluoromethane	N.D.	2. pp/L	
Chloroethane	N.D.	2. pp/L	
Vinyl Chloride	N.D.	0.1 pp/L	
Bromomethane	N.D.	0.2 pp/L	
Chloroethane	N.D.	0.1 pp/L	
Trichlorofluoromethane	N.D.	0.6 pp/L	
1,1-Dichloroethane	N.D.	0.8 pp/L	
Nitrylene Chloride	N.D.	1.2 pp/L	
1,1,2-Dichloroethane	N.D.	0.4 pp/L	
1,1-Dichloroethane	N.D.	0.1 pp/L	
2,2-Dichloropropane	N.D.	0.2 pp/L	
1,1,2-Dichloroethane	N.D.	0.2 pp/L	
Chloroform	N.D.	0.2 pp/L	
Bromochloromethane	N.D.	0.1 pp/L	
1,1,1-Trichloroethane	N.D.	0.2 pp/L	
1,1-Dichloropropane	N.D.	0.2 pp/L	
Carbon Tetrachloride	N.D.	0.2 pp/L	
Benzene	N.D.	0.2 pp/L	
1,2-Dichloroethane	N.D.	0.2 pp/L	
Trichloroethane	N.D.	0.4 pp/L	
1,2-Dichloropropane	N.D.	0.2 pp/L	
Bromodichloromethane	N.D.	1.8 pp/L	
Dibromomethane	N.D.	2. pp/L	
1,1,2-Dichloropropane	N.D.	0.7 pp/L	
Toluene	N.D.	0.6 pp/L	
1,1,2-Dichloropropane	N.D.	2. pp/L	
1,1,2-Trichloroethane	N.D.	0.2 pp/L	
Tetrachloroethane	N.D.	0.2 pp/L	

N.D. = The compound indicated was not detected above the Method Detection Limit (MDL) listed for the method performed.

NOTE: If there are ANY entries in the COMMENTS column, the sample will have FAILED the following REGULATIONS: 18 EPA 40CFR Part 141, Safe Drinking Water Act (SDWA) In the ABSENCE of ANY entries in the COMMENTS column the sample, at the time of analysis, MEETS the water quality requirements of the above mentioned regulations. If the above entry for SAMPLED BY is NOT "ALI", Artesian Laboratories CANNOT certify the validity of the sample location or source of the water supply.

DISCLAIMER: Liability to Artesian Laboratories, Inc. may be waived upon analysis.

Post Office Box 19004
Wilmington, Delaware 19890
(302) 451-6920

Delaware Department of Public Health Approval
Maryland Department of Public Health Certified
Pennsylvania Department of Environmental Resources Certified

RI00216

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Dover, Delaware 19903
(302) 734-6417



Attn: Mr. John Hedrick

Types ON

(27 71)

Page: 2

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Substation Number: 1723

NAME	UNIT	CONCENTRATION
1,2-Dichloropropane	N.D.	0.2 pp/L
Dibromochloromethane	0.3	0.2 pp/L
1,2-Dibromomethane	N.D.	2. pp/L
Chlorobenzene	N.D.	0.1 pp/L
Ethylbenzene	N.D.	0.2 pp/L
1,1,1,2-Tetrachloroethane	N.D.	0.4 pp/L
n-Heptane	N.D.	0.2 pp/L
p-Heptane	N.D.	0.2 pp/L
n-Heptane	N.D.	0.4 pp/L
Styrene	N.D.	0.3 pp/L
Bromoforn	N.D.	2. pp/L
Isopropylbenzene	N.D.	0.2 pp/L
1,1,2,2-Tetrachloroethane	N.D.	0.1 pp/L
Bromobenzene	N.D.	0.3 pp/L
1,2,3-Trichloropropane	N.D.	0.3 pp/L
n-Propylbenzene	N.D.	0.3 pp/L
2-Chlorobenzene	N.D.	0.3 pp/L
1,3,5-Trimethylbenzene	N.D.	1.1 pp/L
n-Propylbenzene	N.D.	0.3 pp/L
tert-Butylbenzene	N.D.	0.3 pp/L
1,2,4-Trimethylbenzene	N.D.	0.3 pp/L
sec-Butylbenzene	N.D.	0.3 pp/L
p-Isopropyltoluene	N.D.	0.3 pp/L
1,3-Dichlorobenzene	N.D.	0.3 pp/L
1,4-Dichlorobenzene	N.D.	0.3 pp/L
n-Butylbenzene	N.D.	0.4 pp/L
1,2-Dichlorobenzene	N.D.	0.3 pp/L
1,2-Dibromo-2-Chloropropane	N.D.	2. pp/L
1,2,4-Trichlorobenzene	N.D.	0.3 pp/L
Hexachlorobutadiene	N.D.	0.1 pp/L
Naphthalene	N.D.	0.3 pp/L
1,2,3-Trichlorobenzene	N.D.	0.3 pp/L

Dibromochloromethane
0.3 mg/L

N.D. = The compound indicated was not detected above the Method Detection Limit (MDL) listed for the method performed.

NOTE: If there are ANY entries in the COMMENTS column, the sample will have FAILED the following REGULATIONS: US EPA 40CFR Part 141, Safe Drinking Water Act (SDWA) In the ABSENCE of ANY entries in the COMMENTS column the sample, at the time of analysis, MEETS the water quality requirements of the above mentioned regulations. If the above entry for SAMPLED BY is NOT "AL1", Artesian Laboratories CANNOT certify the validity of the sample location or source of the water supply.

DISCLAIMER: Liability to Artesian Laboratories, Inc. for no caused loss of analysis.

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Wilmington, Delaware 19803
(302) 452-9720

Delaware Department of Public Health Approved
Maryland Department of Public Health Certified
Pennsylvania Department of Environmental Resources Certified

1700217

Post Office Box 955
Dover, Delaware 19903
(302) 734-0417

supp. - Surfaced water report #246

Date Sample	Date Reported	Lab No.	Collector	Sample Point	CM	CD	XM	BN	TM	TC	PC	BN	CA	CT						
11-9-81	11-14-81	60172	Spencer	WOT-dulany St. Louis deford	20.9															
DCA	DCH	DEA	BAZ	PCZ	TCA	TJU	VCL	BAZ	BNM	CAZ	CID	XM	BNM	DCP	DPA	DPE	DPP	DPR	CEA	CTT
MCZ	MCY	OCT	OCZ	QRY	PCI	PXY	STY	TCF	TBA	TBD	TIA	EDS	DBCF							

12/27/81	1-5-90	60616	Thorne	BS. Andalus St. Louis - 400 Andalus St (per ass)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Date Sample	Date Reported	Lab No.	Collector	Sample Point	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18	CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH29	CH30	CH31	CH32	CH33	CH34	CH35	CH36	CH37	CH38	CH39	CH40	CH41	CH42	CH43	CH44	CH45	CH46	CH47	CH48	CH49	CH50	CH51	CH52	CH53	CH54	CH55	CH56	CH57	CH58	CH59	CH60	CH61	CH62	CH63	CH64	CH65	CH66	CH67	CH68	CH69	CH70	CH71	CH72	CH73	CH74	CH75	CH76	CH77	CH78	CH79	CH80	CH81	CH82	CH83	CH84	CH85	CH86	CH87	CH88	CH89	CH90	CH91	CH92	CH93	CH94	CH95	CH96	CH97	CH98	CH99	CH100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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**APPENDIX I
PRELIMINARY ASSESSMENT FORM**

AR100221

EPA Potential Hazardous Waste Site Preliminary Assessment Form				Identification State: <u>DE</u> CERCLIS Number: <u>05-268</u> CERCLIS Discovery Date: _____	
1. General Site Information					
Name: <u>SEAFOOD ARGUTUS WELL SITE</u>			Street Address: <u>ARBUTUS</u>		
City: <u>SEAFOOD</u>			State: <u>DE</u>	Zip Code: _____	County: <u>SUSSEX</u>
Latitude: <u>38° 39' 08.0"</u>		Longitude: <u>75° 37' 31.0"</u>		Approximate Area of Site: <u>2</u> Acres Status of Site: ☐ Active ☐ Not Specified ☐ Inactive ☐ RFA (GW phase, etc.)	
2. Owner/Operator Information					
Owner: <u>CITY OF SEAFOOD</u>			Operator: <u>JUAN HEARICK</u>		
Street Address: <u>302 E. King St</u>			Street Address: <u>302 E. King St</u>		
City: <u>SEAFOOD, DE</u>			City: <u>SEAFOOD, DE</u>		
State: <u>DE</u>	Zip Code: _____	Telephone: <u>(302) 629-9173</u>	State: <u>DE</u>	Zip Code: _____	Telephone: <u>(302) 629-8307</u>
Type of Ownership: ☐ Private ☐ County ☐ Federal Agency ☐ Municipal ☐ State ☐ Not Specified ☐ Indian ☐ Other _____			How Initially Identified: ☐ Citizens Complaint ☐ Federal Program ☐ PA Petition ☐ Incident ☐ State/Local Program ☐ Not Specified ☐ RCRA/CERCLA Notification ☐ Other _____		
3. Site Evaluator Information					
Name of Evaluator: <u>DILIP R. HANSALIA</u>		Agency/Organization: <u>DE, DNREC</u>		Date Prepared: <u>12/16/92</u>	
Street Address: <u>715 GRANTHAM LANE</u>			City: <u>NEW CASTLE</u> State: <u>DE</u>		
Name of EPA or State Agency Contact: <u>MIKE GIURANNA</u>			Street Address: <u>841 CHATEAU BUILDING</u>		
City: <u>Philadelphia</u>			State: <u>PA</u>	Telephone: <u>(215) 597-3165</u>	
4. Site Disposition (for EPA use only)					
Emergency Response/Removal Assessment Recommendation: ☐ Yes ☐ No Date: _____		CERCLIS Recommendation: ☐ Higher Priority SI ☐ Lower Priority SI ☐ NTRAP ☐ RCRA ☐ Other _____ Date: _____		Signature: _____ Name (typed): _____ Position: _____	



Potential Hazardous Waste Site
Preliminary Assessment Form Page 2 of 4

CERCLIS Number:
268

5. General Site Characteristics

Predominant Land Use Within 1 Mile of Site (check all that apply):

- ☐ Industrial ☐ Agriculture ☐ DOI
☐ Commercial ☐ Mining ☐ Other Federal Facility
☐ Residential ☐ DCO
☐ Forest/Fields ☐ DOE
☐ Other _____

Site Setting:

- ☐ Urban
☐ Suburban
☒ Rural

Years of Operation:

Beginning Year _____

Ending Year _____

☒ Unknown

Type of Site Operations (check all that apply):

☐ Manufacturing (must check subcategory)

☐ Lumber and Wood Products

☐ Inorganic Chemicals

☐ Plastics and Rubber Products

☐ Paints, Varnishes

☐ Industrial Organic Chemicals

☐ Agricultural Chemicals

(e.g., pesticides, fertilizers)

☐ Miscellaneous Chemical Products

(e.g., solvents, explosives, ink)

☐ Primary Metals

☐ Metal Casting, Finishing, Refining

☐ Metal Forging, Shaping

☐ Fabricated Structural Metal Products

☐ Electronic Equipment

☐ Other Manufacturing

☐ Mining

☐ Metals

☐ Coal

☐ Oil and Gas

☐ Non-metallic Minerals

☐ Landfill

☐ Recycling

☐ Junk/Scrap Yard

☐ Municipal Landfill

☐ Other Landfill

☐ DOD

☐ DOE

☐ DOI

☐ Other Federal Facility

☐ RCRA

☐ Treatment, Storage, or Disposal

☐ Large Quantity Generator

☐ Small Quantity Generator

☐ Subtitle D

☐ Municipal

☐ Industrial

☐ "Converter"

☐ "Transfer Filter"

☐ "New or Late Filter"

☐ Not Specified

☐ Other Public Well

Waste Generated:

☐ Onsite

☒ Offsite

☐ Onsite and Offsite

Waste Disposition Authorized By:

☐ Permit Owner

☐ Former Owner

☐ Permit & Former Owner

☒ Unauthorized

☐ Unknown

Waste Accessible to the Public:

☐ Yes

☐ No

Distance to Nearest Dwelling,
School, or Workplace:

200 Feet

6. Waste Characteristics Information

Source Type:

(check all that apply)

☐ Landfill

☐ Surface Impoundment

☐ Drain

☐ Tanks and Non-Drum Containers

☐ Chemical Waste Pile

☐ Sludge Heap or Bulk Pile

☐ Tullage Pile

☐ Truck Pile (open dump)

☐ Load Treatment

☒ Contaminated Ground Water Plume

(unidentified source)

☐ Contaminated Surface Water/Sediment

(unidentified source)

☐ Contaminated Soil

☐ Other

☐ No Source

Source Waste Quantity:

(substance units)

Tier:

General Types of Waste (check all that apply)

☐ Metals

☒ Organics

☐ Inorganics

☒ Solvents

☐ Paints/Pigments

☐ Laboratory/Hospital Waste

☐ Radioactive Waste

☐ Construction/Deconstruction

Waste

☐ Pesticides/Herbicides

☐ Acids/Bases

☐ Oily Waste

☐ Municipal Waste

☐ Mining Waste

☐ Explosives

☐ Other

Physical State of Waste as Deposited (check all that apply):

☐ Solid

☐ Sludge

☐ Powder

☒ Liquid

☐ Gas

C = Concentration, W = Weight/Volume, V = Volume, A = Area



Potential Hazardous Waste Site
Preliminary Assessment Form - Page 3 of 4

CERCLIS Number:
268

7. Ground Water Pathway

Is Ground Water Used for Drinking Water Within 4 Miles?
☒ Yes
☐ No

Type of Drinking Water Wells Within 4 Miles (check all that apply):

☒ Municipal
☐ Private
☐ None

Is There a Suspected Release to Ground Water?
☒ Yes
☐ No

Have Primary Target Drinking Water Wells Been Identified?

☒ Yes
☐ No

If Yes, Enter Primary Target Population:

1400 People

List Secondary Target Population Served by Ground Water Withdrawn From:

Distance	Population
0 - 1 Mile	<u>403</u>
> 1 - 1 1/2 Miles	<u>404</u>
> 1 1/2 - 2 Miles	<u>1789</u>
> 2 - 3 Miles	<u>2670</u>
> 3 - 4 Miles	<u>4045</u>
> 4 - 5 Miles	<u>3371</u>
Total Within 4 Miles	<u>12662</u>

Depth to Shallowest Aquifer:

15 Feet

Known Trenches/Aquifers Present:

☐ Yes
☒ No

Nearest Designated Wellhead Protection Area:

☐ Underflow Site
☐ > 4 - 4 Miles
☒ None Within 4 Miles

8. Surface Water Pathway

Type of Surface Water Drinking Site and 15 Miles Downstream (check all that apply):

☐ Stream ☒ River ☐ Pond ☐ Lake
☐ Bay ☐ Ocean ☐ Other _____

Shortest Overland Distance From Any Source to Surface Water:

2000 Feet

Is There a Suspected Release to Surface Water?

☐ Yes
☒ No

Site is Located in:

☐ Annual - 10 yr Floodplain
☐ > 10 yr - 100 yr Floodplain
☐ > 100 yr - 500 yr Floodplain
☒ > 500 yr Floodplain

Drinking Water Intakes Located Along the Surface Water Migration Path:

☐ Yes
☒ No

Have Primary Target Drinking Water Intakes Been Identified?

☒ Yes
☐ No

If Yes, Enter Population Served by Primary Target Intakes:

0 People

List All Secondary Target Drinking Water Intakes:

Name	Water Body	Flow (cfs)	Population Served
<u>N/A</u>			
Total within 15 Miles _____			

Fisheries Located Along the Surface Water Migration Path:

☒ Yes
☐ No

Have Primary Target Fisheries Been Identified?

☒ Yes
☐ No

List All Secondary Target Fisheries:

Water Body/Fishery Name	Flow (cfs)
<u>Nanticoke River</u>	



8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

☐ Yes
☒ No

Have Primary Target Wetlands Been Identified:

☐ Yes
☒ No

List Secondary Target Wetlands:

Water Body	Flow (cfs)	Distance (Miles)

Other Sensitive Environments Located Along the Surface Water Migration Path:

☐ Yes
☒ No

Have Primary Target Sensitive Environments Been Identified:

☐ Yes
☒ No

List Secondary Target Sensitive Environments:

Water Body	Flow (cfs)	Sensitive Environment Type
Nanticoke River		Frogs + Birds

9. Soil Exposure Pathway

Are People Occupying Residences or
Attending School or Daycare on or Within 200
Feet of Areas of Known or Suspected
Contamination:

☐ Yes
☒ No

If Yes, Enter Total Resident Population:

_____ People

Number of Workers Onsite:

☐ None
☐ 1 - 100
☒ 101 - 1,000
☐ > 1,000

Have Potential Sensitive Environments Been Identified on
or Within 200 Feet of Areas of Known or Suspected
Contamination:

☐ Yes
☒ No

If Yes, List Each Potential Sensitive Environment:

10. Air Pathway

Is There a Suspected Release to Air:

☐ Yes
☒ No

Enter Total Population on or Within:

Onsite	0
0 - 1/4 Mile	403
> 1/4 - 1/2 Mile	404
> 1/2 - 1 Mile	1789
> 1 - 2 Miles	2670
> 2 - 3 Miles	4045
> 3 - 4 Miles	3371
Total Within 4 Miles	12,682

Wetlands Located Within 4 Miles of the Site:

☐ Yes
☒ No

Other Sensitive Environments Located Within 4 Miles of the Site:

☐ Yes
☒ No

List All Sensitive Environments Within 1/4 Mile of the Site:

Distance	Sensitive Environment Type/Wetlands Area (acres)
----------	--

Onsite

0 - 1/4 Mile

> 1/4 - 1/2 Mile

APPENDIX J
REFERENCES

AR100226



CLIMATIC ATLAS OF THE UNITED STATES

AR100227

MEAN ANNUAL LAKE EVAPORATION
(In Inches)

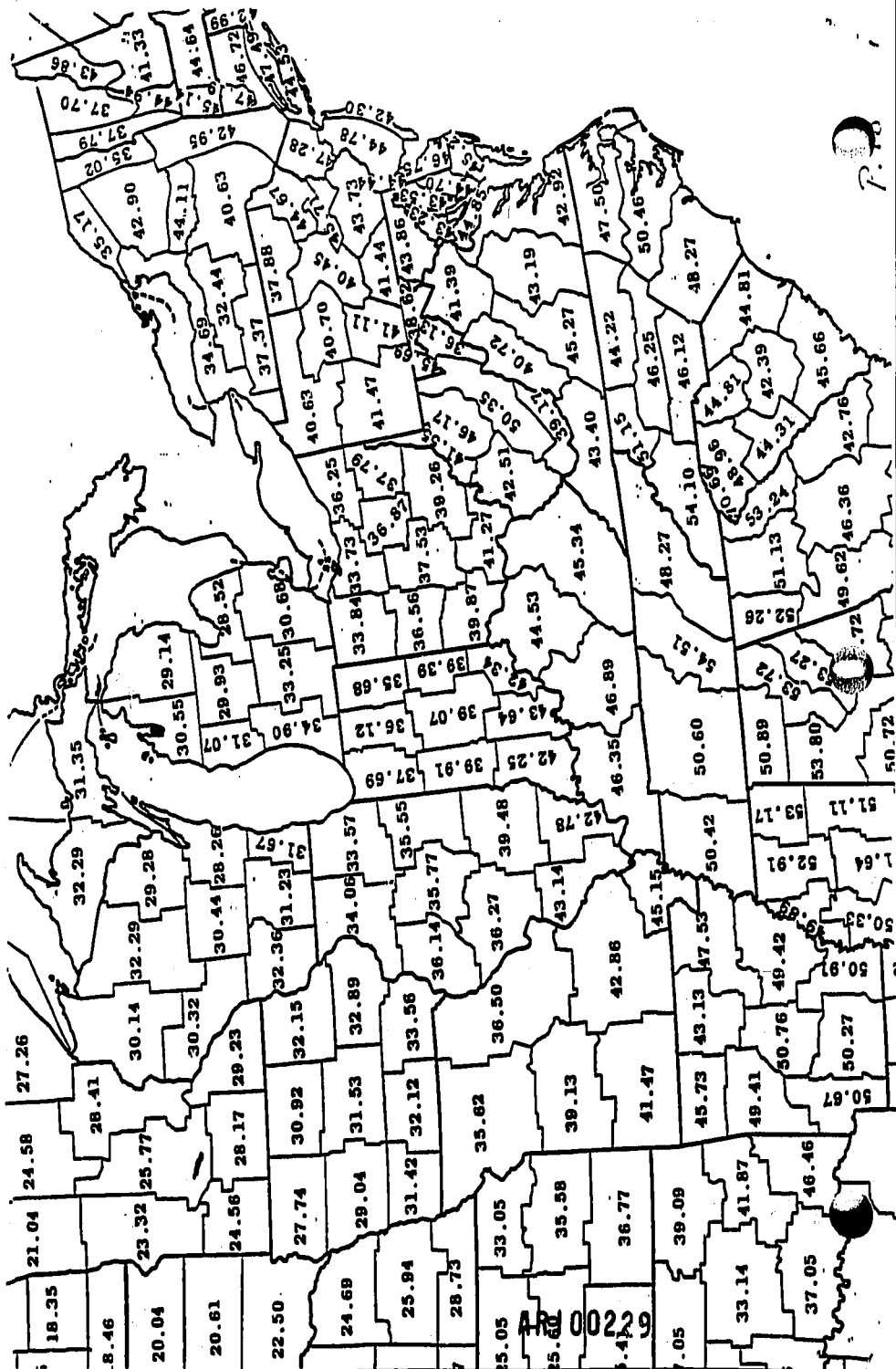
Based on period 1946-55

GULF OF MEXICO

ARI00228

Based on period 1946-55

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2. Census Track - State of Delaware, Development Office, 1990. (Computer Database).
3. Water Use Reports for Individual Supply Facility, Water Supply Branch, DNREC, P.O. Box 1401, Dover, DE 19903. "Seaford." See Appendix A.
4. State of Delaware, Department of Health and Social Services, Division of Public Health, Health Systems Protection Water Quality Analytical Results.
5. State of Delaware, Department of Natural Resources and Environmental Control, Division of Air and Waste Management, RCRA Facility Assessment, 1992 of Seaford Industrial Park. See Table 1.

AR100230

University of Delaware
Water Resources Center 451-2191

Reference MEYER 6.

**The Availability of Ground Water
in Western Sussex County,**

Delaware

by

R. W. Sundstrom and T. E. Pickett

NEW DELAWARE

1974

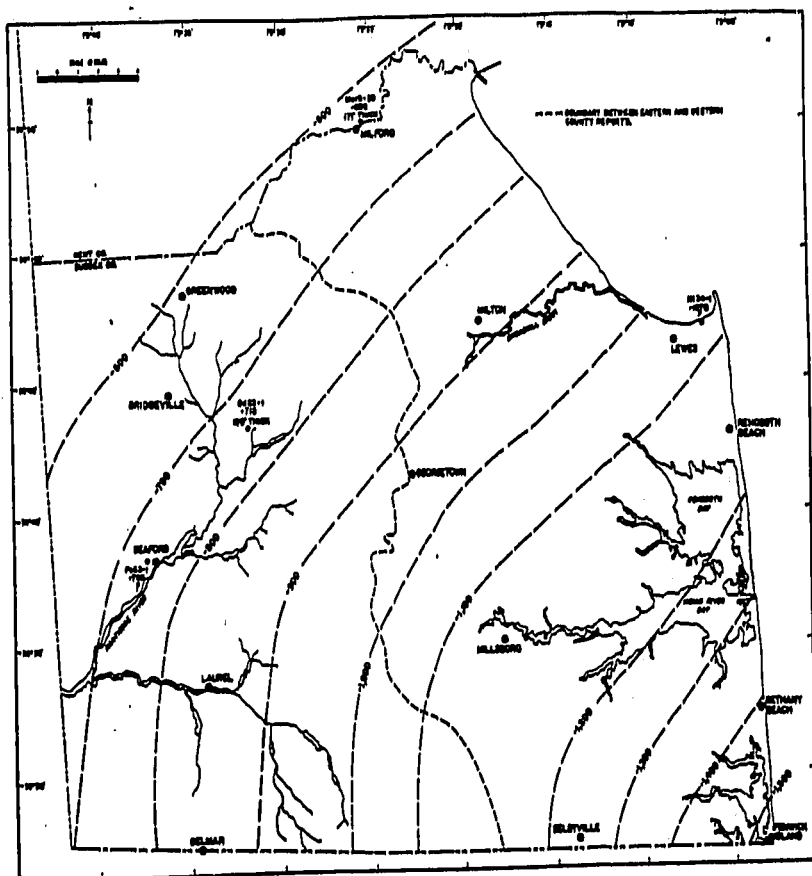
ABSTRACT

Ground water in moderate to large quantities is available throughout the 460 square miles that constitute the area of study of this report. Western Sussex County, as used herein, comprises that area of the county which drains toward the Chesapeake Bay. The water-table aquifer of the Pleistocene supplies nearly all of the fair-weather flow of the streams. The ground water that is drained from the water-table aquifer by the Nanticoke River and its tributaries amounts to nearly 80 percent of the total flow of the river. The ground water drained by all streams in the report area is estimated to average about 280,000,000 gallons a day. The area receives, on the average, 46.75 inches of precipitation annually, which amounts to an average of slightly more than a billion gallons a day. Of this quantity of water, an estimated average of 460,000,000 gallons a day is available for recharge to the water-table aquifer, and an estimated average of 70,000,000 gallons a day leaves the area as overland runoff. The remainder of the precipitation is largely dispersed by evapotranspiration.

The geology and ground-water hydrology of eight ground-water reservoirs have received careful study. Western Sussex County is a part of the Atlantic Coastal Plain Province. The Atlantic Coastal Plain in the area consists of sedimentary beds, gently dipping southeast toward the Atlantic Ocean forming a thickening wedge of unconsolidated clay, sand and gravel. The sediments are about 4,200 feet thick in the northern part of the area and about 5,500 feet thick in the southeastern part. The sediments are underlain by the Basement Complex, which is a continuation downdip of the very old metamorphic and igneous Piedmont rocks of northernmost Delaware. The eight ground-water reservoirs that contain fresh water range in age from Eocene to Holocene.

Moderate amounts of ground water are used in Western Sussex County. The area is largely rural. In 1966, the total use of ground water averaged about 12,000,000 gallons a day. The demand for ground water has increased about 20 percent in a decade. All of the ground water used is obtained from the Pleistocene and Manokin aquifers.

Six of the eight aquifers contain ground water under artesian pressure; one contains water under both artesian and water-table conditions, and one aquifer is entirely nonartesian. The six artesian aquifers occur in only parts of the area, and their water-yielding properties are generally poor. Expected yields of the artesian aquifers to wells are estimated to range from less than 50 gallons a minute to generally not more than 200 gallons a minute, with the lower yields predominating. None of the six aquifers are used in the area. If they were totally developed under planned management, the amount of water available from the six aquifers is estimated not to exceed 30,000,000 gallons a day. It seems unlikely that any of the six aquifers will be developed extensively.



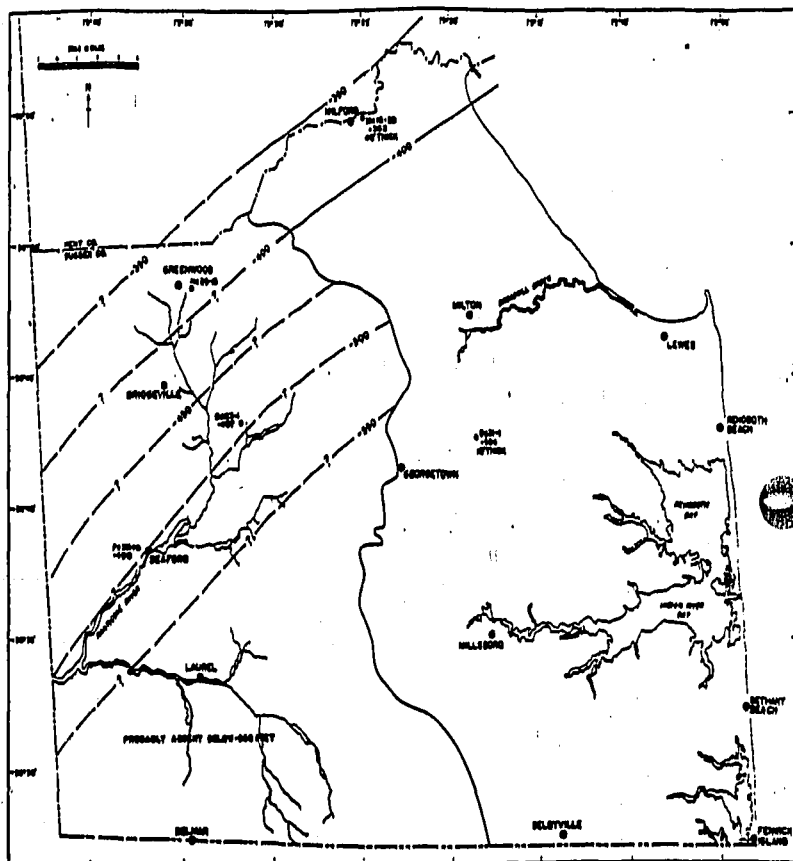
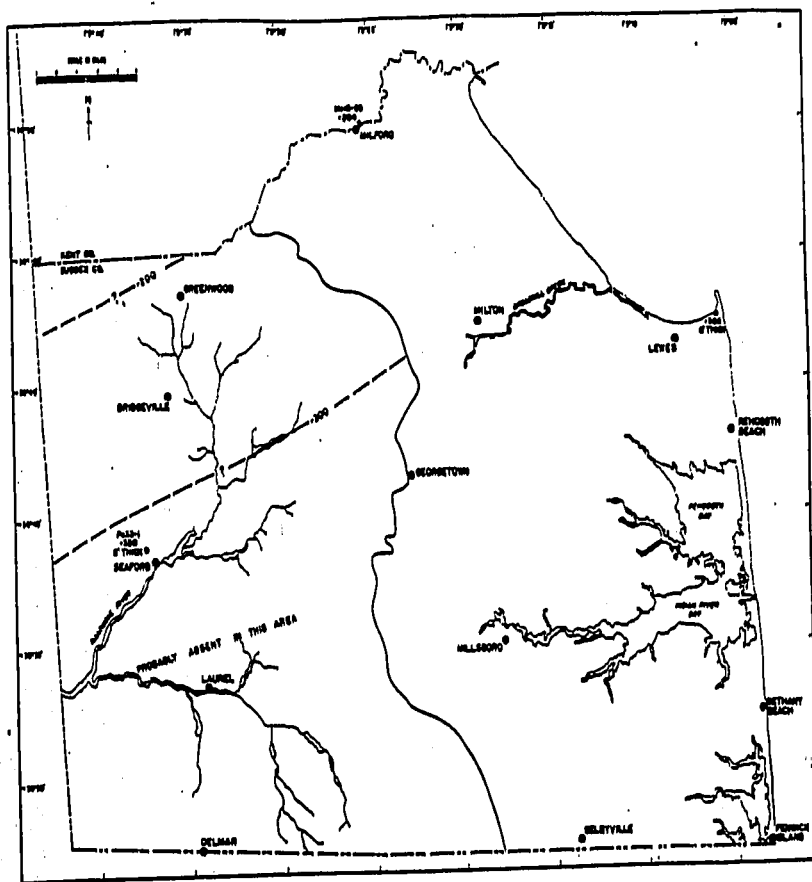


FIGURE 8. STRUCTURAL MAP OF THE TOP OF THE CHESWOLD AQUIFER (SEA LEVEL DATUM).



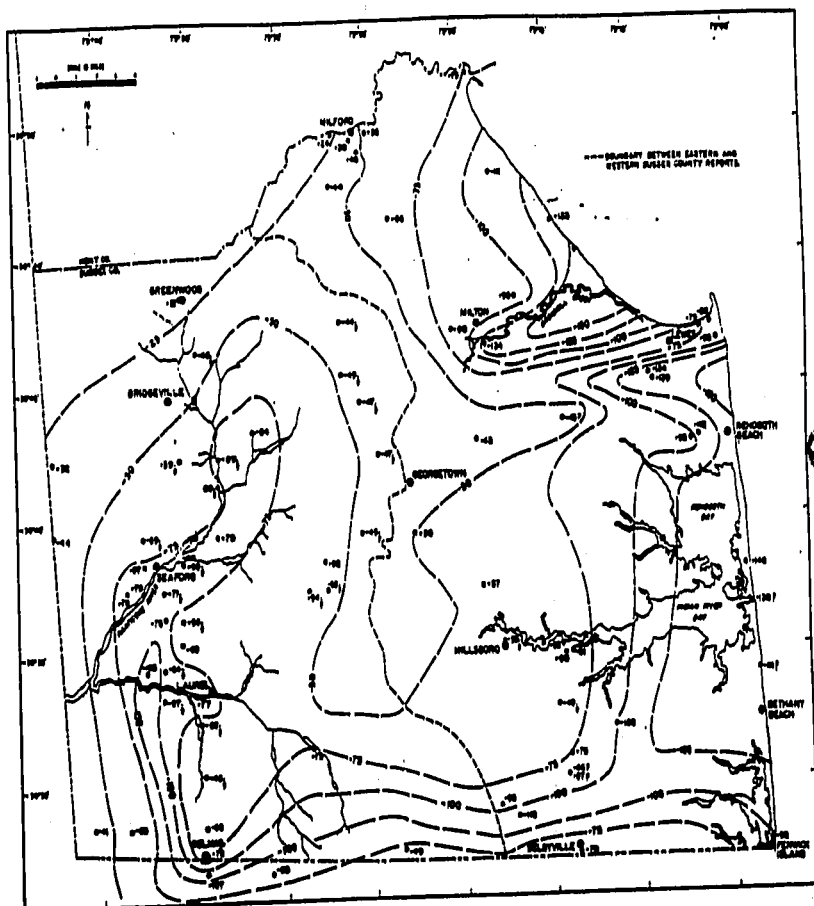


FIGURE 9. STRUCTURAL MAP OF THE BASE OF THE COLUMBIA GROUP.

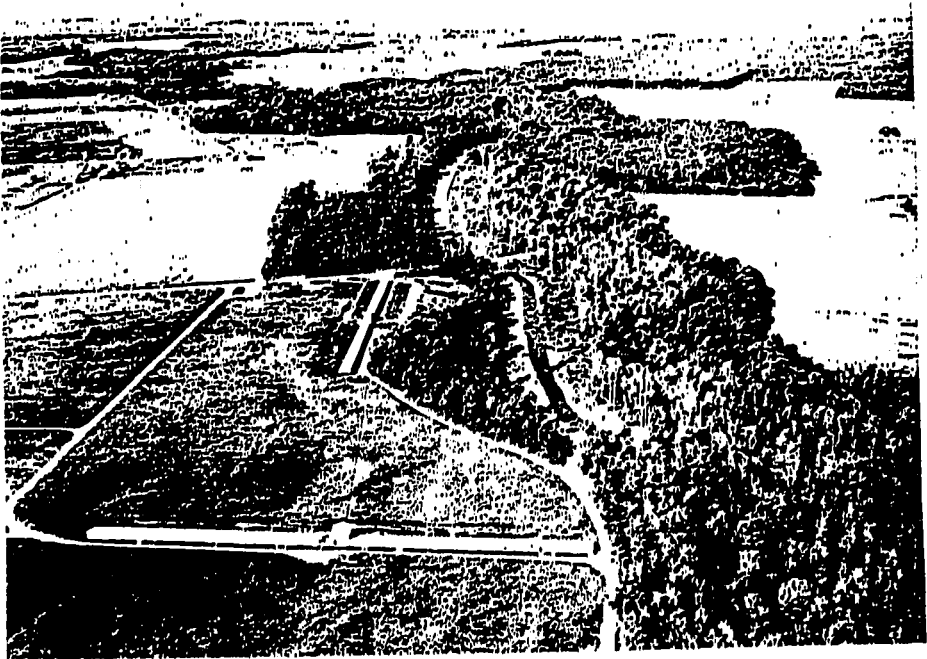
7. Telephone Log Craig Shiry to Craig Kostyshyn Regarding Fisheries Production on the Nanticoke River. See Appendix B.
8. Telefax Lisa Gelvin-Innvaer to Dilip Mansalia Regarding Sensitive Environments and Endangered Species in the Nanticoke River Area. See Appendix B.

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REFERENCE - SECTION

SOIL SURVEY OF

Sussex County, Delaware



United States Department of Agriculture
Soil Conservation Service
in cooperation with
Delaware Agricultural Experiment Station

Issued May 1974

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sloping. Slopes are irregular in places, and some of them have been roworked by wind.

Included with this soil in mapping were a few abrupt, short slopes that are steeper than 15 percent; a few blow-outs in areas where loamy material is within a depth of 4 to 6 feet; and some small depressions occupied by somewhat wetter soils.

Most of the acreage is wooded with hardwoods and Virginia pine and some loblolly pine and yellow-poplar. There is practically no farming, except where corners or edges of farm fields extend onto this soil. Some of the older cemeteries in the county are on this soil. Capability unit VIIa-1 woodland subclass 3s.

Evesboro loamy sand, loamy substratum, 0 to 2 percent slopes (EvA).—This soil has the profile described as representative of the series. It is the most extensive soil in the county. It is on broad uplands that are dissected by a few streams.

Included with this soil in mapping were small areas where the substratum contains more clay than that in the profile described; areas where the finer textured material is within a depth of only 30 inches; other small areas where the substratum is sandy to a depth of 6 feet; and other areas of a soil that is paler in color, has some gray or brownish-gray colors below a depth of 30 inches, and is somewhat wet. The wet inclusions are commonly in very small depressions.

This Evesboro soil is somewhat droughty and low in fertility, but less so than Evesboro soils that do not have a loamy substratum. Consequently, it is better suited to most crops and is more productive. Erosion by water is not a hazard. If the surface is loose, dry, and not protected by vegetation, blowing sand (fig. 9) can damage tender crops

and create a driving hazard. Soil blowing can be checked by use of adequate windbreaks. Loss of soil by wind, however, is mostly negligible.

Most of the acreage is farmed. The soil is easy to till and is well adapted to large-scale, mechanized farming. Supplemental sprinkler irrigation is generally available. Crops grown respond very well to large applications of fertilizer. Truck crops are especially well suited, including those that can be planted very early. Corn and soybeans are extensively grown.

Good management of this soil includes the use of winter cover crops and all available manure and crop residue. In large open areas young crops can be protected from blowing sand by windbreaks. A good temporary windbreak consists of strips of winter grain, commonly rye, left standing until late in spring.

Wooded areas are dominated by hardwoods. Many formerly cultivated areas support a good stand of loblolly pine. Many communities have been developed on this soil, including parts of Laurel, Milford, Millsboro, Milton, Seaford, and other towns. Capability unit IIIa-1; woodland subclass 2s.

Evesboro loamy sand, loamy substratum, 2 to 5 percent slopes (EvB).—This soil is on slightly elevated ridges or the sides of ridges, commonly within or adjacent to areas of Evesboro loamy sand, loamy substratum, 0 to 2 percent slopes.

Included with this soil in mapping were small areas where the substratum is sandy to a depth of 6 feet and others where the soil is paler, including some gray or brownish-gray colors, below a depth of about 40 inches.

Because the substratum is finer textured, this soil holds more moisture than the other sloping Evesboro soils of the



Figure 9.—Sand blowing across Evesboro loamy sand, loamy substratum, 0 to 2 percent slopes. This broad open area without windbreaks is near Millsboro.

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The A horizon is loam, but grades to sandy loam in the lower part of some profiles. The matrix color has a value of 2 or 3, or in some profiles 4 below the plow layer, and a chroma of 2 or less.

The B horizon is ordinarily sandy clay loam or clay loam, but is silty clay loam in some profiles. The matrix color has a value of 4 to 6 and a chroma of 2 or less. Mottles have a hue of 10YR or redder and a chroma of 4 to 8. In some profiles the B horizon is not mottled.

The C horizon is dominantly sand or loamy sand, but contains thin strata of more silty or more clayey material. The matrix color has a value of 6 or 7 and a chroma of 0 to 4.

Portsmouth soils are similar to Berryland, Johnston, Pocumoke, and Rutledge soils in color of the surface layer and in natural drainage. They contain considerably more clay in the B horizon than Pocumoke soils. In contrast with Berryland, Johnston, and Rutledge soils, they have a horizon of clay accumulation, a Bt horizon, and those soils do not. Also they are not so sandy as Berryland and Rutledge soils. Portsmouth soils have a less silty A horizon than Johnston soils, which occur only on flood plains. They formed in the same kind of sediments as the well drained Kalmia and Sassafras soils, the moderately well drained Woodstown soils, and the poorly drained Falling-ton soils.

Portsmouth loam (Pt).—Most of this nearly level soil occupies slight depressions within larger areas of other soils.

Included with this soil in mapping were a few small areas where the surface layer or plow layer is a little more sandy than the one in the profile described. Also included were some spots where the subsoil contains a little more silt, more clay, or both, than the one in the profile described.

The water table is seasonally at or very near the surface of this soil and remains at that level for very long periods unless the soil is artificially drained. This soil must be drained for successful farming. It is not difficult to drain if adequate outlets are available. Tile lines or ditches generally are satisfactory.

Portsmouth loam contains less sand and more fine material in the surface layer and subsoil than the otherwise very similar Pocumoke sandy loam. It is not quite so easy to drain and to work as that soil, but it retains more moisture during dry periods and more plant nutrients.

About half the acreage is used for crops. Corn and soybeans are the principal crops. The rest of the acreage is in cutover hardwoods and loblolly pine. Many excellent sites for excavated ponds are on this soil. Limitations are severe for most nonfarm uses. Capability unit IIIw-7; woodland subclass 2w.

Rumford Series

The Rumford series consists of deep, somewhat excessively drained soils on uplands. These soils formed in sandy sediments that contain small amounts of clay and very little silt. The native vegetation is mostly hardwoods but includes some loblolly pine and Virginia pine.

A representative profile in a cultivated area has a 9-inch plow layer of dark yellowish-brown loamy sand and a 5-inch subsurface layer of yellowish-brown loamy sand. The subsoil is about 14 inches thick. The upper 4 inches is transitional to the true subsoil and is strong-brown loamy sand variegated with yellowish brown. The rest of the subsoil, from a depth of 18 inches to about 25 inches, is yellowish-red, very friable sandy loam. The substratum is divided into two distinct parts. The upper part, from a depth of 28 inches to about 42 inches, is strong-brown, massive loamy sand. The lower part, from a depth of 42 inches to at least 52 inches, is loose

coarse sand that contains much fine gravel. It is commonly a mixture of many colors.

Rumford soils warm up early in spring and are easy to work. They are suited to some of the earliest maturing crops, especially high-value truck crops. Sandiness is the chief limitation. The available moisture capacity is moderate, and natural fertility is low. Irrigation and applications of large amounts of fertilizer are needed, particularly for high-value crops. Limitations are slight to moderate for most nonfarm uses. Permeability is rapid.

Representative profile of Rumford loamy sand, 0 to 2 percent slopes, in a cultivated area in Primehook Wildlife Refuge at the end of Route 236, about 5 miles northeast of Milton:

- Ap—0 to 9 inches, dark yellowish-brown (10YR 4/4) loamy sand; weak, medium, subangular blocky and coarse, granular structure; very friable; many roots; many pores; slightly acid if limed; abrupt, smooth boundary.
- A2—9 to 14 inches, yellowish-brown (10YR 5/4) loamy sand; single grain; very friable; many roots; many pores; strongly acid; clear, smooth boundary.
- B1—14 to 18 inches, strong-brown (7.5YR 5/8) loamy sand, variegated with yellowish brown (10YR 5/6); weak, medium, subangular blocky structure; very friable; few roots; many pores; strongly acid; abrupt, smooth boundary.
- B2t—18 to 28 inches, yellowish-red (5YR 4/6) sandy loam; weak, coarse, subangular blocky structure; very friable; few roots; many pores; thin discontinuous clay films and clay as bridges between sand grains; very strongly acid; clear, smooth boundary.
- C1—28 to 42 inches, strong-brown (7.5YR 5/6) loamy sand; massive; very friable; few roots; many pores; strongly acid; abrupt, smooth boundary.
- IC2—42 to 52 inches, finely variegated gravelly coarse sand; single grain; loose; no roots; very strongly acid.

The thickness of the solum ranges from about 28 to 40 inches but is most commonly in the thinner part of this range. A few, fine, smooth pebbles occur throughout some profiles, most commonly in the C horizon. Unless limed, this soil is strongly acid or very strongly acid.

The A horizon matrix color has a hue of 10YR or 2.5Y, a value of 4 to 6, and a chroma of 2 to 4.

The B horizon is commonly sandy loam but is loamy sand in the upper few inches of some profiles. In some profiles it contains thin layers or subhorizons of light sandy clay loam. The matrix color has a hue of 7.5YR or 5YR, a value of 4 or 5, and a chroma of 4 to 8.

The C horizon is commonly stratified with loamy sand to sand or coarse sand. The matrix color has a hue of 7.5YR or yellow, a value of 5 to 8, and a chroma of 2 to 6. In most profiles the color is variegated in at least part of the C horizon.

Rumford soils are similar to Kalmia, Kenansville, and Sassafras soils. They are redder in the B horizon than Kalmia and Kenansville soils, have a thinner A horizon than Kenansville soils, and are coarser textured throughout the solum than Kalmia and Sassafras soils. They formed in the same kind of sediments as the well-drained Kenansville soils and the very poorly drained Pocumoke soils.

Rumford loamy sand, 0 to 2 percent slopes (RuA).—This soil has the profile described as representative of the series. It is nearly level and occupies broad uplands and some slight depressions.

Included with this soil in mapping were small areas where the subsoil is somewhat more or less sandy than the one in the profile described; and in some slight depressions, small areas of a soil that is seasonally somewhat wet and has grayish colors within a depth of about 10 inches.

This soil is somewhat droughty and is low in natural fertility. Supplemental sprinkler irrigation is commonly

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available for high-acre-value crops (fig. 12). Soil blowing is a slight hazard and damages young plants during some seasons. Windbreaks are locally desirable. There is little runoff and very little hazard of erosion.

More than half the acreage is cultivated. Corn, soybeans, truck crops, and melons are the principal crops. Some pastures have good carrying capacity.

Good management of this soil for crops includes the use of winter cover crops and of all available manure and crop residue. Wooded areas support second-growth hardwoods, some Virginia pine, and locally, some loblolly pine. Limitations are few for most nonfarm uses. Capability unit IIs-4; woodland subclass 3o.

Rumford loamy sand, 2 to 5 percent slopes (RuB).—This soil commonly occupies areas between the more level soils on upland flats and the major drainageways. It has a profile similar to the one described as representative of the series, but the surface layer is somewhat more sandy, the subsoil is at a slightly greater depth, and the soil tends to be somewhat more droughty.

Included with this soil in mapping were small areas where the subsoil is somewhat more or less sandy than that in the profile described; and in slight depressions and swales, very small areas of a soil that is somewhat wet and has some grayish colors within a depth of about 30 inches.

During dry periods, lack of moisture affects crops 1 to 3 days earlier than in areas of Rumford loamy sand, 0 to 2 percent slopes. The availability of supplemental sprinkler irrigation is especially important for high-acre-value crops. Soil blowing is a slight hazard and dam-

ages young plants during some seasons. Windbreaks are locally desirable. There is commonly little runoff and little hazard of erosion.

More than half the acreage is cultivated. Corn, soybeans, truck crops, and melons are the principal crops. Good management includes the use of winter cover crops and all available manure and crop residue. Wooded areas support second-growth hardwoods, some Virginia pine, and locally, some loblolly pine. Limitations are few for most nonfarm uses. Capability unit IIs-4; woodland subclass 3o.

Rumford loamy sand, 5 to 10 percent slopes (RuC).—This soil occurs as narrow strips adjacent to drainageways and also as slightly elevated knolls. It has a profile similar to the one described as representative of the series, but the surface layer is somewhat more sandy, the soil is at a slightly greater depth, and the soil tends to be more droughty.

Included with this soil in mapping were small areas where the subsoil is very thin, or very thick, or both.

This soil is susceptible to erosion and is somewhat droughty. Gullies and washouts tend to develop where water collects along field roads or other structures and is then discharged across areas of this soil. Such areas can be protected by permanent vegetation or by lined channels.

Little of the acreage is cultivated. Appropriate measures are needed for control of erosion in cultivated areas. Most areas are in second-growth hardwoods, Virginia pine, or both. Limitations are few for nonfarm uses. Capability unit IIIe-33; woodland subclass 3o.

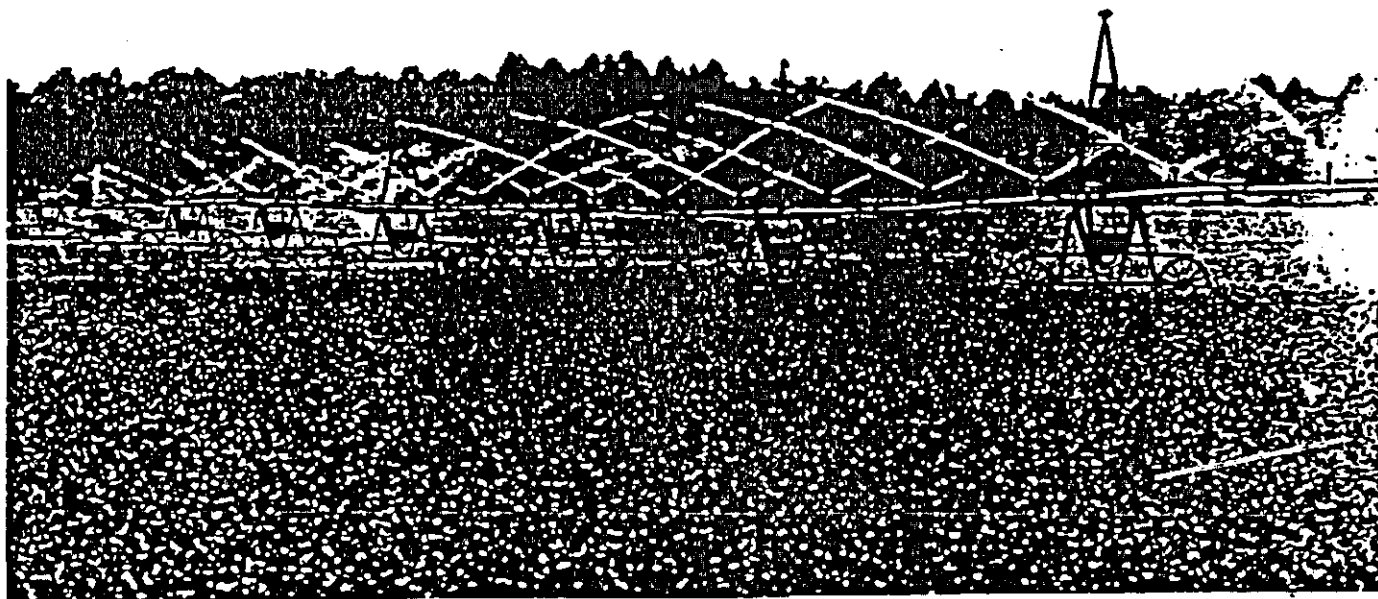


Figure 12.—Sprinkler irrigation of English pines on Rumford loamy sand, 0 to 2 percent slopes, near Milton.

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