

DRAFT
Environmental Record Review
Northampton County Southern Node Project
Northampton County Board of Supervisors
Northampton County, Virginia



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Submitted to:
Virginia Department of Environmental Quality
Construction Administration Program
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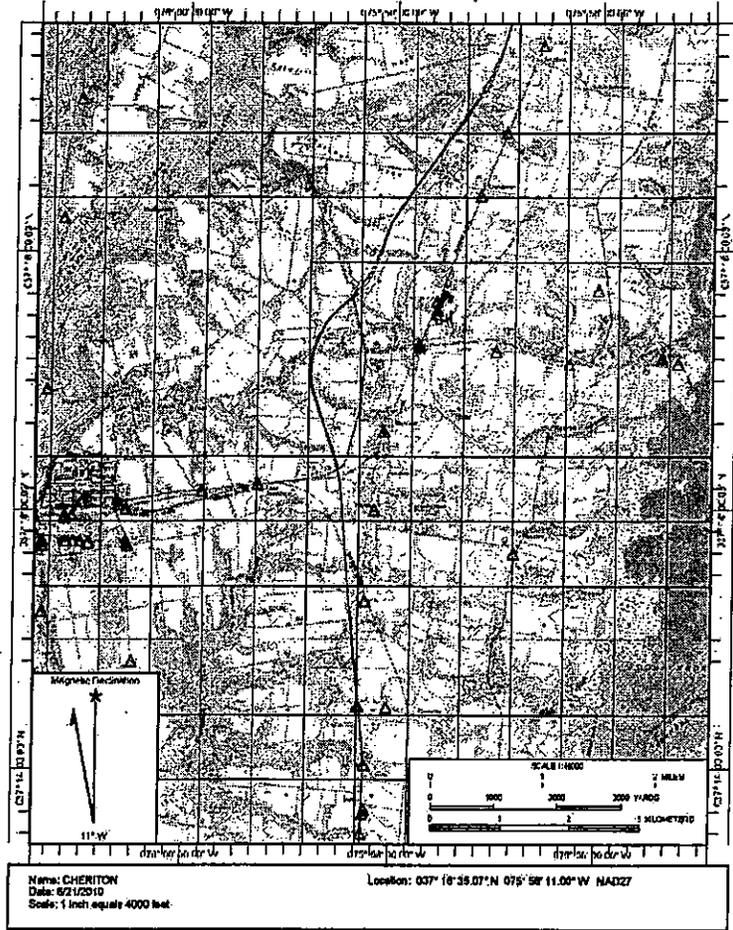
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1.0 Purpose and Need for Project

1.1 Project Description (Proposed Action or Proposed Project)

This Environmental Review Record has been prepared by Hurt & Proffitt, Inc. on behalf of the Eastern Shore Public Service Authority, to acquire funding for the new construction of sanitary sewer for the Northampton County Southern Node Project that will serve the Town of Cape Charles and the Town of Cheriton. The study area includes the tie-in from Old Cape Charles Road to the west, the West Fairview Rehabilitation Project to the south, Culls Drive to the east, and the Town of Cheriton to the north.

Hurt & Proffitt, Inc. (hereafter called "Engineer") collected data, summarized existing studies, and prepared recommendations with cost estimates for the proposed Northampton County Southern Node Project. These recommendations are based upon current State standards for sanitary sewer systems.



1.2 Purpose and Need of Project

The purpose of this Environmental Review is to identify and address the needs of the Citizens of the Town of Cheriton in regards to the failing septic systems while also addressing the potential environmental impacts associated with the proposed project. The following information is in regards to the current issues with their failing septic systems. The overall purpose and the need of the proposed project are to provide the services to reduce the potential of contamination of its potable drinking water system to maintain the health and welfare of the citizens of the Town of Cape Charles and Town of Cheriton.



a. Health, Sanitation, and Security

Needs related to health, sanitation, and security include the following:

SEPTIC SYSTEMS

Less than 15% of the housing units in the County are served by public sewer as of 1990. The remaining units are served by septic tank and drain field systems, cesspools or pit privies. These systems are a major source of groundwater pollution in the County. This is due to the sandy nature of the Eastern Shore soils coupled with typically high water tables that allow septic tank drain field effluent to rapidly reach groundwater aquifers without adequate treatment. This results in high nitrate levels in the groundwater table which causes bacterial and nutrient contamination of bay or seaside waters if adjacent to them.

Presently the septage that is collected from the individual septic tanks every three to five years for the remaining 85% of the residents in the County has to be hauled

to a facility in Maryland for treatment and disposal. This causes a significant cost for hauling and disposal in these wastes.

This project will reverse the trend of ever increasing pollution of the delicate aquifer by bacterial and nutrient contamination.

GROUND WATER RESOURCES

Ground water is the only source of supply for domestic, industrial and agricultural water use in Northampton County. In 1976 the Virginia State Water Control Board designated the Eastern Shore of Virginia including Northampton County as a "Ground Water Management Area". The purpose of this was to protect the groundwater from localized groundwater contamination and prevent these limited aquifer sources from being overdrawn. In 1990 the Eastern Shore of Virginia Groundwater Supply Committee was formed and in 1992 adopted the "Groundwater Supply Protection and Management Plan for the Eastern Shore of Virginia". The purpose of this plan was to make recommendations for the protection and management of the groundwater resource. In 1997 the entire Eastern Shore of Virginia was designated a "Sole Source Aquifer System" by the U.S. Environmental Protection Agency.

One of the goals this project will accomplish is to reverse the trend in the pollution of the groundwater aquifer in concentrated growth areas by the elimination of approximately 600 septic tank and drain field systems and prevent future installations of them in the project service area. This will begin the efforts needed to protect the fragile aquifer from increasing pollution.

GROUNDWATER

The two major components of the Eastern Shore groundwater system are the shallow Columbia aquifer and the deep Yorktown – Eastover aquifer. The shallow aquifer is recharged by 12 to 24 inches per year of rainfall out of the total 43 inches per year of rainfall that falls in the county. Most of this water flows from the middle of the peninsula and discharges to the Chesapeake Bay or the Atlantic Ocean providing an important source of fresh water for the tidal creeks and bays. This aquifer is used primarily for private on-site domestic wells and agricultural irrigation. Approximately 2 million gallons per day are withdrawn from this aquifer by private on-site wells for domestic use. The continued use of this source for drinking water supply is limited in many areas due to pollution from agricultural runoff and septic system failure. Although this aquifer may become increasingly more contaminated with future development from a number of factors, the elimination of large numbers of septic tank systems in concentrated development areas at this time will remove significant amounts of pollution from this aquifer. It will also decrease the pollution level of the water in this aquifer that ultimately reaches the tidal creeks and bays. This pollution level is characterized by high nitrate levels primarily associated with drainage from septic systems and overuse of fertilizers. The majority of water for domestic consumption in the County comes from the deep wells that tap the Yorktown –

Eastover aquifer system. There is evidence that this aquifer could become contaminated as future development occurs due to the fact that this lower aquifer is recharged to some degree by the upper Columbia aquifer. Increased pumping over time in the lower aquifer will increase the vertical recharge of this aquifer and may induce the vertical flow if pollutants where wastes are located within a large cone of depression.

The protection of this essential resource in the County is critical to every aspect of the economic stability and well being of everyone in the County. In planning for this project, we considered the protection of this resource as one of the primary goals of the project. One of the immediate benefits from this project is the elimination of a major source of groundwater pollution by removing over 600 septic tank and drain field systems which have been proven to be a major source of groundwater pollution on the Eastern Shore. It will also prevent additional septic tank and drain field systems from being installed in the concentrated growth areas in and around the towns where this project proposes to provide service. This will begin to reverse the trend of ever increasing pollution of this fragile aquifer from septic tank systems.

COMMUNITY FACILITIES AND SERVICES

Community facilities and services are the improvements, infrastructure and programs made available to an area to serve the general public. The location and densities of existing land uses often dictates or determines the requirements for public improvements. Future land development should be linked to the availability and adequacy of necessary public facilities to meet the needs of future residents. Water and wastewater treatment services are the essential and primary utilities required in any densely populated area without severely limiting the range of allowable uses and development.

The planning of public facility improvements for this project takes into account many factors in the County to include existing and desired future conditions. We have studied the unique conditions in Northampton County and with the help of the entire team have proposed an initial project as a solution that addresses many aspects of the unique conditions in the County. The location of the sewer services were suggested to help solve as many problems and issues as possible and to be constructed in the most economical and efficient manner as possible. We believe that with the input and guidance we have received from the project team and other citizens that the proposed facilities are both necessary and appropriately located. We fully recognize that minor adjustments will have to be made and alternatives evaluated as we progress through completion of the initial planning stage of the project and prepare the necessary applications for funding of the project.

b. Growth**POPULATION**

The study of population and growth throughout the County provides an essential foundation for planning of capital improvements, including, among other things, water and sewer facilities.

An understanding of the past and present nature of the County along with a number of issues in the County is required in order to plan effectively for the future. The planning process must be sensitive to the changing characteristics of the population which in turn create changing demands for housing, public facilities and services. Significant population trends that are noteworthy in our review of recent data indicate:

- The annual increase in population of 0.4% is significantly less than the average throughout Virginia and the actual slight increase in recent years is likely due to net migration rather than by natural increase.
- There is an increase in the median age of citizens in the County, from 37.9 in 1990 to 42.4 in 2000. This is well above the median age in Virginia in 2000 of 35.7 years.
- There is an increase in seasonal population.
- There is a significant decrease in the population between the ages of 25 to 34 which suggests an out-migration of young families in search of either work or housing and an increase in the population in ages 35-44 which reflects the aging of the adult population.

The extremely low growth rate of the overall population, the increase in age of the citizens and the significant decrease in the ages of the population of 25 to 34 suggest that more new jobs need to be created in the County to reverse the out-migration of families from the County. The significant loss of people in this age group is a trend that will have profound negative impacts on the County in the future and the planning of facilities to be constructed in the County should be considered to help reverse this trend.

The implementation of this project will bring new economic benefits to the County by providing needed services for new business to locate and create higher paying jobs to attract the younger working population.

ECONOMIC ANALYSIS

It is important to closely examine the local economy and employment trends to determine if any project needs to be implemented to either influence these trends or satisfy the needs of these trends. There may be the need for a project that provides for economic expansion in an area or preserves the current economic structure of a community to avoid a decline in a local economy.

A review of data for the County indicates a very low rate of unemployment with

the probability that more employees are working in the County than the number of available workers in the County workforce. This likely involves the construction, hospitality, resort maintenance and health care industries. The average annual wages in Northampton County are well below the statewide average.

Some of the more significant findings of our review are as follows:

- The largest major industry sector in the County is Agriculture, Forestry, Fishing and Hunting. This accounts for approximately 32% of the employment in the County.
- The Health Care and Social Assistance industry is the second largest employer in the County with 14.9% of the workforce. This industry is currently located in the Town of Nassawadox. This sector has been relatively stable in the past however recent events and economic conditions indicate that there is a possibility that this industrial sector of Northampton County economy may be relocated out of the area in the near future. We have been advised that one of the factors being considered in relocation of the facilities is the lack of a public utility service in the County capable of providing adequate water and sewer service for the facility.
- The Agriculture sector is increasing both in number and in the market value of production while the average farm size is decreasing.
- The Aquaculture industry is significantly increasing in gross revenue with more emphasis on farming of fish and shellfish as opposed to harvesting them from the sea. It is therefore important to prevent any decrease in water quality by avoiding any land based activity that could cause any negative impacts on this industry.
- Tourism is another industry in this category that should be protected in the planning of any project. The undeveloped stretches of pristine coastline and the traditional aquatic and rural lifestyle offers a significant attraction to this area.
- Other significant industries in the County that should be considered in the planning process for utilities are Retail Trade, Accommodations and Food Services and Manufacturing.
These industries combined amount to 24% of employment in the County.

The implementation of this project will tend to protect and preserve these industries and likely enhance them in the concentrated growth areas of the County. It will do this by providing the facilities needed for continued operation and expansion in the growth areas.

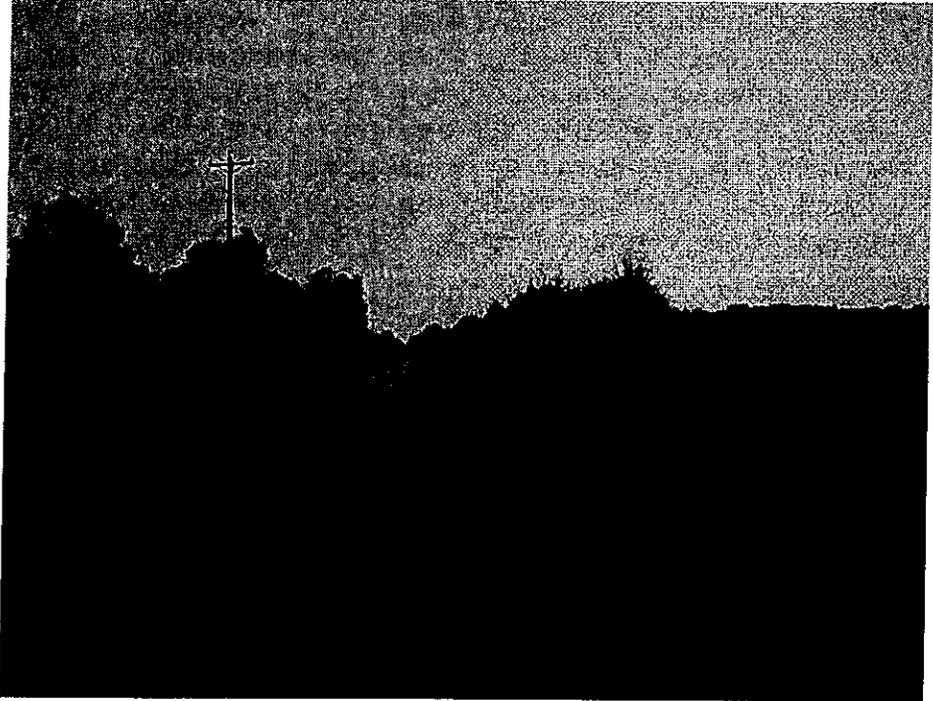
One significant benefit from this project is the elimination of significant pollution in the groundwater aquifer by providing a high degree of treatment to the sewage being generated in the concentrated growth areas of the County. This will preserve the Aquaculture industry and eliminate groundwater pollution in the concentrated growth areas. before it enters the groundwater aquifer.

3.0 Affected Environment

3.1 Land Use /Important Farmland/Formally Classified Land

3.1.1 Affected Environment

A search of the Environmental Data Resources (EDR) National Environmental Protection Act (NEPA) database and a search on the US Department of Agriculture Natural Resources Conservation Service Web Soil Survey for Northampton County was performed on the existing project boundaries for the Northampton County Southern Project Node Project from the Town of Cape



Charles and the Town of Cheriton. The searches indicates the proposed new construction of the sanitary sewer system is located in an agricultural, either prime or important area as defined by the Natural Resources Conservation Service, the Virginia Department of Agriculture and Consumer Services, local ordinance, or farming operation. The EDR NEPA database indicated the search vicinity had no designated sanctuaries, refuges or wild scenic rivers within the project area. Key contacts and Government Records searched included United States Geological Service, federal data from Bureau of Land Management, National Park Service, USDA Forest Service, and US Fish and Wildlife Services. Further specific project review has been requested from Robert E. Williams of the NRCS. Please refer to Appendix C for the EDR NEPA report and Appendix F for correspondence with review agencies involved.

3.1.2 Environmental Consequences

The Farmland Protection Policy Act requires Federal Agencies to evaluate the effects of prime, unique, statewide or locally important farmland in the vicinity of the project. Northampton County is a mix of land uses from commercial agriculture, residential, and commercial. The Natural Resource Conservation Service Web Survey indicates most of Northampton Southern Node Project is going to be constructed near agricultural, either prime or important farmland. There will be temporary ground disturbance during construction for the installation of the new sewer line, however, there should be no environmental consequences associated with the current land use as the new sewer line is to be installed in existing VDOT right-of-ways or PUEs. The Eastern Shore Public Service Authority is not asking for conversion of the existing land use. Please refer to Appendix E for the maps showing the existing prime farmland designation along the proposed project corridor. We are waiting for comments from Robert E. Williams of the NRCS.

3.1.3 Mitigation

There is no mitigation requirements associated with the current land use as the areas that are to be disturbed are located within existing VDOT right-of-ways or PUEs.

3.2 Floodplains

3.2.1 Affected Environment

Appendix A contains a USGS topographic quadrangle map and a more detailed existing conditions topographic map of the project area. The proposed project for the Northampton County Southern Node Project includes tying in to the proposed Town of Cape Charles waste water treatment plant at Bayshore Road in Cape Charles to Old Charles Cape Road, Parsons Circle to Bypass 13, to the Fairview Mobile Home Park to Bayview Circle, Culls Drive, the Town of Cheriton north to Cheriton Cross Road.

FEMA flood map panel 51131C0295E (Cape Charles) and map panel 51131C0325E, dated August 28, 2008, was available from FEMA and reviewed by our office. (see Appendix E). All work and proposed upgrades are occurring along the existing VDOT right-of-way or within the existing Public Utility Easement (PUE). There is no designated 100 year floodplain area within a portion of the proposed project construction. Key contacts and Government Records searched included Federal Emergency Management Agency (FEMA), resource information from Section 404 and 401 of the Clean Water Act, Section 10 of the Rivers and Harbors Act, and the Virginia Code of Regulations, and project review from Nick Konchuba, with the US Army Corps of Engineers, Ellie Irons of the Central Regional Office of the Virginia Department of Environmental Quality, and Hank Badger with the Virginia Marine Resource

Commission. We are still waiting for comments from VMRC, DEQ, USACE, DCR and DGIF at this time. Please refer to Appendix C for the EDR NEPA report and Appendix F for correspondence with the review agencies involved.

3.2.2 Environmental Consequences

As discussed above, project review was coordinated with the appropriate review agencies. No infrastructure is being placed in 100 year flood plains.

3.2.3 Mitigation

There is no mitigation requirements associated with the scope of work.

3.3 Wetlands and Streams

3.3.1 Affected Environment

The proposed project for the Northampton County Southern Node Project includes tying in to the proposed Town of Cape Charles waste water treatment plant at Bayshore Road in Cape Charles to Old Charles Cape Road, Parsons Circle to Bypass 13, to the Fairview Mobile Home Park to Bayview Circle, Culls Drive, the Town of Cheriton north to Cheriton Cross Road. A

preliminary review of the National Wetland Inventory Map, USGS topographic information,



FEMA flood data has been reviewed. There are headwater tributaries of Kings Creek and Old Plantation Creek to the west along the Chesapeake Bay and headwater tributaries of Cobbs Mill Creek and Narrow Channel Branch to the east towards the Atlantic Ocean. Approximately fifty-six (56) wetlands were identified on the NWI map that are within the study area, however, the majority of the improvements will remain in the existing Public Utility Easements (PUEs) or within the existing VDOT right-of-ways. No impacts to

wetlands and streams are proposed as a part of the scope of work.

Key contacts and Government Records searched included National Wetlands Inventory data from the US Fish and Wildlife Service, Federal Emergency Management Agency (FEMA), resource information from Section 404 and 401 of the Clean Water Act, Section 10 of the Rivers and Harbors Act, and the Virginia Code of Regulations. Further project review was coordinated with project review from Nick Konchuba, with the US Army Corps of Engineers, Ellie Irons of the Central Regional Office of the Virginia Department of Environmental Quality, and Hank Badger with the Virginia Marine Resource Commission. We are still waiting for comments from VMRC, DEQ, USACE, DCR and DGIF at this time. Please refer to Appendix C for the EDR NEPA report and NWI data, and Appendix F for correspondence with the review agencies involved.

3.3.2 Environmental Consequences

Although there are wetlands identified on the National Wetlands Inventory map and streams shown near the project area, it can be determined that the construction of the sewer infrastructure will not permanently affect the existing wetlands and streams. No impacts to wetlands and streams are proposed as a part of the scope of work. As previously discussed, project review was coordinated with the appropriate review agencies. All agencies have noted that any work impacting streams or wetlands will require a permit and should be coordinated through the Joint Application Process and have the opportunity to assert the appropriate jurisdiction at that time.

3.3.3 Mitigation

There is no mitigation requirements associated with the scope of work.

3.4 Cultural Resources

3.4.1 Affected Environment

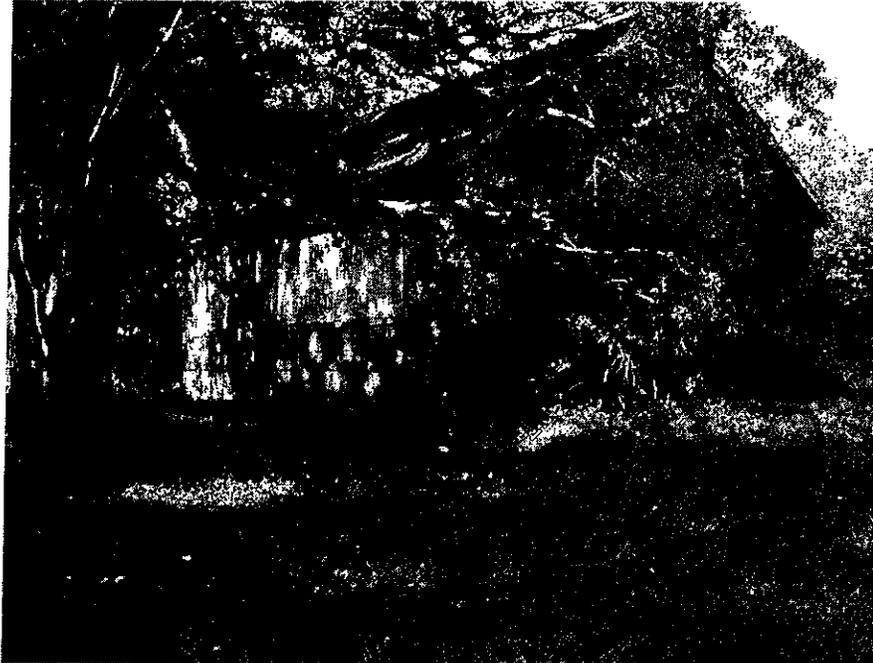
A review of the EDR NEPA Check report which includes the *National Register of Historic Places* lists one (1) resource within the project areas. According to EDR, the

historic site is known as the Stratton Manor and is located to the south east of project boundaries and Cape Charles.

A preliminary review of the Virginia

Department of Historic Resources Data Sharing System (VDHR

DSS) was also performed by our office. It has been documented by VDHR that there



are thirty-two (32) archeological features and one hundred seventy-three (173) architectural features listed within 1 mile of the Study Area. However, because the project will remain within VDOT right-of-ways or existing PUEs, we believe that the construction of the sanitary sewer infrastructure will not affect any of the listed resources.

Further request for project review was coordinated with Roger Kirchen with the Virginia Department of Historic Resources pursuant to the Eastern Shore PSA's responsibilities under Section 106 of the National Historic Preservation Act. Mr. Kirchen responded that the archives show several historic architectural resources in the project vicinity, including (blank), however, given the nature of this project, impacts to these and unrecorded resources is unlikely. He has determined that this project should have *no adverse affect* on any of the listed resources. Please refer to Appendix C for the EDR database search, Appendix E for the VDHR DSS search, and Appendix F for correspondence regarding project review from Roger Kirchen of the Virginia Department of Historic Resources. We are still waiting for Mr. Kirchen's comment letter at this time.

3.4.2 Environmental Consequences

In the Cape Charles area, two (2) historic sites and (2) archeological sites have listed to be adjacent to the project corridor along Old Cape Charles Road. Those listed are the

Geo. Robberecht Seafood Company (pictured above) is considered eligible and a Tenant House that has been destroyed. The 2 archeological sites are considered potentially eligible

In the Cheriton Area 4 archeological and 5 architectural resources have been listed in the project area. The 3 of the archeological sites have been identified as trash scatter sites and one (1) camp site. All 3 trash sites have been deemed as potentially eligible and the camp site is not eligible. The Architecture sites are the Cheriton High School (DHR#188-0018), Holmes (Presbyterian Church), Boggs Place (DHR#065-0092), Esso Park Auto Court (DHR#065-0347), and Stratton Manor (DHR#035-0024). The Stratton Manor is listed on the National Registry of Historic Places all the others have been deemed eligible or not eligible.

It is believed that this project will not adversely affect any structures or any archeological sites within the project area because the upgrades are located within existing VDOT or PUE. Mr. Kirchen's letter indicates that the project is in the vicinity (blank). He states that this project should not likely have a negative impact on either property and they find that no adverse effect is appropriate for this undertaking. Again, the proposed project is to replace an existing line within an existing VDOT right-of-way or within existing PUEs. If there are no affected resources there are no environmental consequences associated with this activity.

3.4.3 Mitigation

The following are ways the CCUSA intends to mitigate should any unanticipated historic and archeological resources encountered during this project:

- If any unanticipated archaeological resources are encountered during construction all work in the immediate area shall cease and the Virginia Department of Historic Resources, the Virginia Department of Environmental Quality and the USDA Rural Development will be contacted immediately to provide guidance on the treatment of the resource. Work will not resume without the concurrence of the above two agencies.

3.5 Biological Resources

3.5.1 Affected Environment

A review of the EDR NEPA database search resulted in five (5) Threatened or Endangered

Species or Fish and Wildlife Resources listed to be within Northampton

County, VA, the Piping Plover

(*Charadrius*

melodus), Bald

Eagle (*Haliaeetus leucocephalus*),

Northeastern

Beach Tiger Beetle

(*Cicindela dorsalis dorsalis*), the

Delmarva

Peninsula Fox

Squirrel (*Sciurus niger cinereus*),

and the Loggerhead Sea Turtle (*Caretta caretta*). Additional site specific project review was performed by this office using the Virginia Department of Conservation and Recreation Department of Natural Heritage Explorer Database and the Virginia Department of Game and Inland Fisheries Information Website. Please see the attached maps from DCR and DGIF in Appendix E of this report.



The database search for DCR revealed that portions of the project area are located in the conservation area and 1 resource within the headwaters of Kings Creek and Old Plantation Creek (need to determine what the listed species is). DGIF database revealed no resources within the specific project area. Since the construction proposed will be within VDOT right-of-way or existing PUE no streams or wetlands are proposed to be impacted. It is believed that the proposed project will not cause harm or degradation to any existing listed species. The Eastern Shore PSA will minimize adverse impacts to the aquatic ecosystems by implementing the appropriate erosion and sediment controls measures during construction.

Again, additional site specific project review was performed by this office using the Virginia Department of Conservation and Recreation Department of Natural Heritage Explorer Database and the Virginia Department of Game and Inland Fisheries Information Website. Additional requests were coordinated with Renee Hypes of the Department of Conservation and Recreation (DCR), and Susan Watson of the Virginia Department of Game and Inland Fisheries.

Key Contacts and Government Records searched included the Endangered Species Protection Program Database from the EPA, listed by County, the VA Endangered Species Database from the VA Department of Game and Inland Fisheries, VA Natural Heritage and the Department of Conservation & Recreation. Please find all regulatory agency correspondence in Appendix F. We are still waiting on comments from DCR and DGIF.

3.5.2 Environmental Consequences

Both the Department of Conservation and Recreation and the Department of Game and Inland Fisheries commented that there are currently no documented occurrences of threatened or endangered species in the project area. Appropriate erosion and sediment control measures will be in place to prevent degradation to the water quality.

3.5.3 Mitigation

The following are ways the Eastern Shore PSA intends to mitigate the environmental consequences during this project:

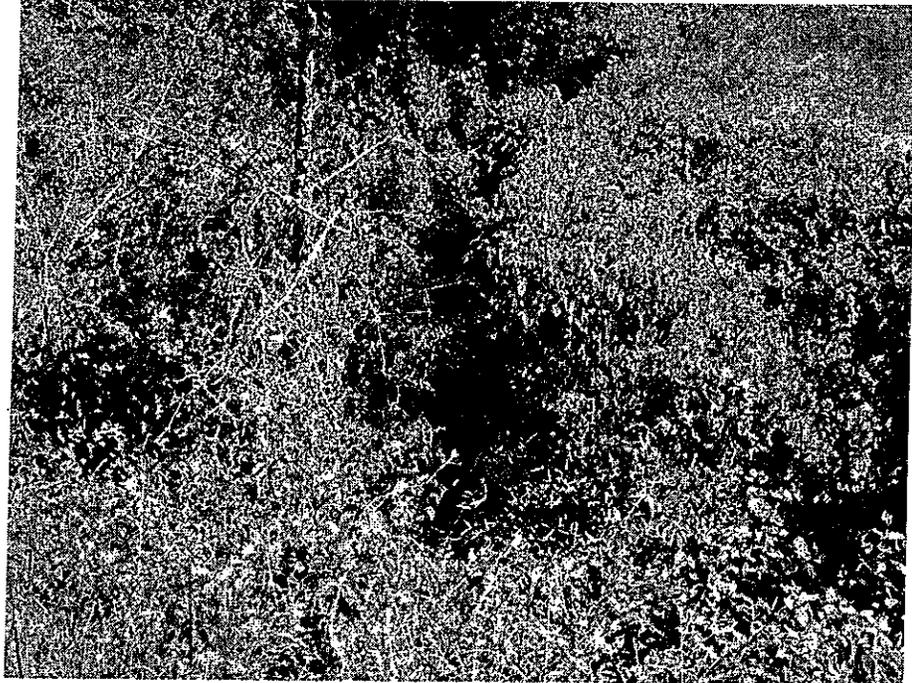
- Erosion and Sediment Control Plans will be completed before construction, which meets the requirements of the latest edition of the VA Erosion & Sediment Control Handbook.
- A Stormwater Pollution Prevention Plan will be in place and a registration statement for a Virginia Stormwater Management Permit from DCR will be submitted and approved before construction commences.

3.6 Water Quality Issues

3.6.1 Affected Environment

The original study area for the Northampton Southern Node Project has been identified to be within the corridor from Old Cape Charles Road in Cape Charles to the west, ByPass 13 and West Fairview Community to the South, and Culls Drive to the east and the Town of Cheriton to the north.

A preliminary review of the National Wetland Inventory Map, USGS topographic information, FEMA flood data has been reviewed. The Town of Cape Charles drains to the west to Kings Creek and Old Plantation Creek, ultimately discharging to



the Chesapeake Bay. The Town of Cheriton drains towards the east into Cobbs Mill Creek and Narrow Channel Branch, ultimately to the Atlantic Ocean. A review of the EPA's website conducted by our office placed the project within Hydrologic Unit Code 020802019 for the Western Lower Delmarva Watershed. The 303(d) List of Impaired Waters for this watershed was researched for these main water bodies. All are listed on the 303(d) list as impaired for fecal coliform. Please refer to Appendix E for the information from the Environmental Protection Agency website for Listed Water Information.

Further project review was coordinated with Nicholas Konchuba, Chief, Eastern Virginia Section of the US Army Corps of Engineers, Ellie Irons of the Central Office of the Virginia Department of Environmental Quality, Rene Hypes of the Virginia Department of Conservation and Recreation, and Susan Watson of the Virginia Department of Game and Inland Fisheries. Please refer to Appendix F for correspondence from review agencies. We are still waiting for comments from ACE, DEQ, DCR, and DGIF.

3.6.2 Environmental Consequences

Although Kings Creek and Old Plantation Creek, Cobbs Mill Creek and Narrow Channel are listed as impaired for fecal coliform it can be determined that the construction of this sanitary sewer infrastructure will remove potential contributors to the impairment by removing septic tanks or direct discharges that are currently affecting the water quality. Any land disturbing activities equal to 2500 square feet or more will require registration coverage to DCR under the General Permit for Discharges of Stormwater from Construction Activities. Solid waste generated at the site will be reduced at the source, reused, or recycled. All hazardous waste will be minimized. No long term adverse impacts to water quality are anticipated from this project, potential short-term adverse impacts resulting from surface water runoff due to construction must be minimized.

3.6.3 Mitigation

The following are ways the Eastern Shore PSA intends to mitigate the environmental consequences during this project:

- Erosion and Sediment Control Plans will be completed before construction, which meets the requirements of the latest edition of the VA Erosion & Sediment Control Handbook.
- Any land disturbing activities equal to one acre or more will require registration coverage to DCR under the General Permit for Discharges of Stormwater from Construction Activities.
- A Stormwater Pollution Prevention Plan will be in place before construction commences.
- All appropriate permits for any impacts to jurisdictional streams and wetlands will be in place prior to construction and all impacts to wetland and streams will be minimized to the maximum extent practicable.
- All solid waste, hazardous waste, and hazardous material must be managed in accordance with all applicable federal, state, and local environmental regulations.
- Pollution Prevention will be incorporated (if applicable) such as, using products with recycled material and low toxicity levels, considering contractor's commitment to the environment, including information such as using alternative fuels and energy sources in the contract documents, choosing sustainable practices in construction and design, and integrating pollution prevention techniques to include source reduction such as fixing leaks and using energy efficient product.

3.7 Coastal Resources

3.7.1 Affected Environment

The project is located in the Western Lower Delmarva Peninsula and is considered an area that is regulated by the Virginia's Coastal Zone Management Program, pursuant to the Federal Coastal Zone Management Act of 1972, sections 307(c)(3)(A) and 307(d). The Western Lower Peninsula is identified as HUC Code 02080109. The Town of Cape Charles drains to the west to Kings Creek and Old Plantation Creek, ultimately discharging to the Chesapeake Bay. The Town of Cheriton drains towards the east into Cobbs Mill Creek and Narrow Channel Branch, ultimately to the Atlantic Ocean. The project is located in the Coastal Region but is outside of the Coastal Barrier Resources System or the Other Protective Areas.

3.7.2 Environmental Consequences

Again, this project is consistent with the Virginia's Coastal Zone Management Act. Further project review was coordinated with Hank Badger of the Virginia Marine Resources Commission, Nicholas Konchuba, Chief, Eastern Virginia Section of the US Army Corps of Engineers, Ellie Irons of the Central Office of the Virginia Department of Environmental Quality, Rene Hypes of the Virginia Department of Conservation and Recreation, and Susan Watson of the Virginia Department of Game and Inland Fisheries. The following resources have been evaluated during this process and are listed below. No environmental consequences will occur to any of these coastal resources.

Fisheries Management: This project will not affect finfish or shellfish resources.

Subaqueous Management: This project has been designed to avoid any subaqueous lands and will not require a permit from the Virginia Marine Resources Commission.

Wetlands Management: This project has been designed to avoid any wetlands and will not require a permit from VMRC, USACE, and DEQ.

Dunes Management: This project has been designed outside the sand dunes area that are regulated by the Primary Sand Dunes Act.

Non-Point Source Pollution Control: Non-point source pollution will be controlled by the implementation an approved erosion and sediment control plan.

Point Source Pollution Control: No point source pollution or discharge into States Waters is being proposed as a part of this project. The project is proposing the reduction of point source pollution from failing septic systems, lagoons, or private privies.

Shoreline Sanitation: This project will have no effect on shoreline sanitation as the project is proposing to reduce pollution from failing septic systems, lagoons, or private

privies.

Air Pollution Control: This project will not have an adverse impact on air quality. Please refer to Section 3.9 of this report.

Coastal Lands Management: This project is not located within a Resource Management Area (RMA) regulated by the Chesapeake Bay Act.

3.7.3 Mitigation

No mitigation is being proposed since no Coastal Zone Resources would be affected; however, the following items will be addressed completely during construction as listed below:

- Erosion and Sediment Control Plans will be completed before construction, which meets the requirements of the latest edition of the VA Erosion & Sediment Control Handbook.
- Any land disturbing activities equal to 2500 square feet or more will require registration coverage to DCR under the General Permit for Discharges of Stormwater from Construction Activities.
- A Stormwater Pollution Prevention Plan and a Virginia Stormwater Management Permit from DCR will be approved and in place before construction commences.
- All appropriate permits will be in place prior to construction.

3.8 Socio-economic Issues

3.8.1 Affected Environment (update based on connection fees being imposed)

The proposed project of construction of the new sanitary sewer line to meet current state health and safety regulations will not significantly affect the socio-economic make-up of the area to be served. The existing land uses are primarily historically, commercial, residential, and agricultural and will remain the same in the area. The goal of the project is to decrease risks of human health issues associated with the failing septic tanks of the Town of Cape Charles and the Town of Cheriton, improving the overall water quality of the Chesapeake Bay.

3.8.2 Environmental Consequences

The project will not have high adverse human health or environmental effects to the

community. The project is not located in a minority or low-income community. Needs related to health, sanitation, and security will provide a better security and water quality to the overall potable water infrastructure.

3.8.3 Mitigation

There are no environmental consequences associated with this activity therefore, no mitigation is required.

3.9 Miscellaneous Issues (Air Quality)

3.9.1 Affected Environment

Project review was requested by our office with Walter Gills of the Central Regional Office of the Virginia Department of Environmental Quality (DEQ). The project proposed is for new construction of sanitary sewer line within the existing PUEs or VDOT right-of-way. Therefore, this project should not adversely affect air quality. Dust will be controlled on site during construction by the application of water, if necessary. Burning shall be kept to a minimum. We are still waiting on comments from Mr. Gills.

3.9.2 Environmental Consequences

This project is not likely to adversely affect air quality. However, during construction fugitive dust must be kept to a minimum. This requires, but is not limited to, measures such as application of water to suppress dust and washing down construction vehicles and paved roadways immediately adjacent to the construction site. The following sections of Virginia Administrative Code (VAC) may be applicable: 9 VAC 5-50-60 et. seq, governs abatement of visible emissions and fugitive dust emissions and 9 VAC 5-40-5600 et. seq. addresses open burning.

3.9.3 Mitigation

In accordance with the Commonwealth of Virginia Code §10.1-1425.11 on pollution prevention, the following are ways the Eastern Shore Public Service Authority intends to exercise the following pollution prevention measures during this project:

- Fugitive dust must be kept at a minimum. This requires such measures as the application of water to suppress dust and washing down of construction vehicles and paved roadways adjacent to the project site.
- All provisions of the Virginia Administration Codes 9VAC5-50-60 et. seq governing the abatement of visible emissions and fugitive dust emissions and 9VAC5-40-5600 et. seq. addressing open burnings must be followed.

The above measures will be performed with the intent of avoiding all possible impacts. Impacts that cannot be avoided will be reduced by the above measures in scale or type.

3.10 Miscellaneous Issues (Noise)

3.10.1 Affected Environment

Noise will include minimal jack hammering through pavement and the normal use of construction equipment during installation. The construction of the new sewer line in the VDOT right-of-way near historical areas should be performed in such a way so that drilling and jack-hammering will be minimized.

3.10.2 Environmental Consequences

Temporary noise, such as jack-hammering and use of heavy equipment will occur as a result of construction activities.

3.10.3 Mitigation

Efforts to keep excessive noise to a minimum will be a priority and drilling or jack-hammering will be kept strictly to daylight hours.

3.11 Miscellaneous Issues (Transportation)

3.11.1 Affected Environment

Project review was requested by our office with W.M. Cumming of the Accomac District VDOT residency because work is being proposed in the VDOT right-of-way. There are no known construction issues associated with these improvements because all construction will not alter traffic control. There are no known construction issues associated with these improvements, other than pavement repair and traffic control that will be necessary to replace or construct new water lines beneath the Town's streets and Route 220. The Town, Engineer, Contractor, and Lisa Gibson with the Rocky Mount VDOT residency will work together to make sure that all design requirements will meet VDOT approval. The contractor will coordinate with property owners to ensure a minimal loss of water service and access to properties occurs during construction.

The contractor will coordinate with property owners to ensure access to properties occurs during construction.

3.11.2 Environmental Consequences

There should be no environmental consequences involved with transportation in regards to this project and every effort will be made to maintain traffic flow through the towns. VDOT asks to minimize adverse impacts to the VDOT Rights of way. Typical comments from VDOT are included in the mitigation as listed below.

3.11.3 Mitigation

Efforts to maintain normal traffic flow and conditions with the citizens of the Town of Cape Charles and Cheriton will be a priority. The following are ways the Authority intends to mitigate consequences during this project:

- VDOT will be consulted during the design phase of the project and plans shall be submitted to W.M. Cumming of the Accomac District for concurrence prior to construction.
- No work of any nature shall be performed on VDOT Rights of way without first obtaining a Land Use Permit.
- All underground installation placed within VDOT Rights of way shall be a minimum of 36 inches of cover.
- Long open trenches will not be permitted. The maximum length shall not exceed 500' (feet) and are not to be left open overnight.
- All lines crossing under primary roadways will need to be encased from ditch line to ditch line.
- Road and street connections, private and commercial entrances are to be kept in a satisfactory condition. Entrances shall not be blocked.
- All backfilling of trenches shall be in layers of not greater thickness than six inches, and shall be made to a minimum of 95% theoretical density, at optimum moisture content, in accordance with the department's "Road and Bridge Specifications" (current edition).

4.0 Summary of Mitigation

In accordance with the Commonwealth of Virginia Code §10.1-1425.11 on pollution prevention, the following are ways the Eastern Shore Public Service Authority intends to exercise the following pollution prevention measures during this project:

- Erosion and Sediment Control Plans will be completed before construction, which meets the requirements of the latest edition of the VA Erosion & Sediment Control Handbook.
- Any land disturbing activities equal to 2500 square feet or more will require registration coverage to DCR under the General Permit for Discharges of Stormwater from Construction Activities.
- A Stormwater Pollution Prevention Plan and a Virginia Stormwater Management Permit from DCR will be approved and in place before construction commences.
- All appropriate permits will be in place prior to construction.
- If any unanticipated archaeological resources are encountered during construction all work in the immediate area shall cease and the Virginia Department of Historic Resources and the Virginia Department of Health will be contacted immediately to provide guidance on the treatment of the resource. Work will not resume without the concurrence of the above two agencies.
- All solid waste, hazardous waste, and hazardous material must be managed in accordance with all applicable federal, state, and local environmental regulations.
- Pollution prevention will be incorporated (if applicable) such as, using products with recycled material and low toxicity levels, considering contractor's commitment to the environment, including information such as using alternative fuels and energy sources in the contract documents, choosing sustainable practices in construction and design, and integrating pollution prevention techniques to include source reduction such as fixing leaks and using energy efficient product.
- Fugitive dust must be kept at a minimum. This requires such measures as the application of water to suppress dust and washing down of construction vehicles and paved roadways adjacent to the project site.
- All provisions of the Virginia Administration Codes 9VAC5-50-60 et. seq governing the abatement of visible emissions and fugitive dust emissions and 9VAC5-40-5600 et. seq. addressing open burnings must be followed.

The above measures will be performed with the intent of avoiding all possible impacts. Impacts that cannot be avoided will be reduced by the above measures in scale or type.

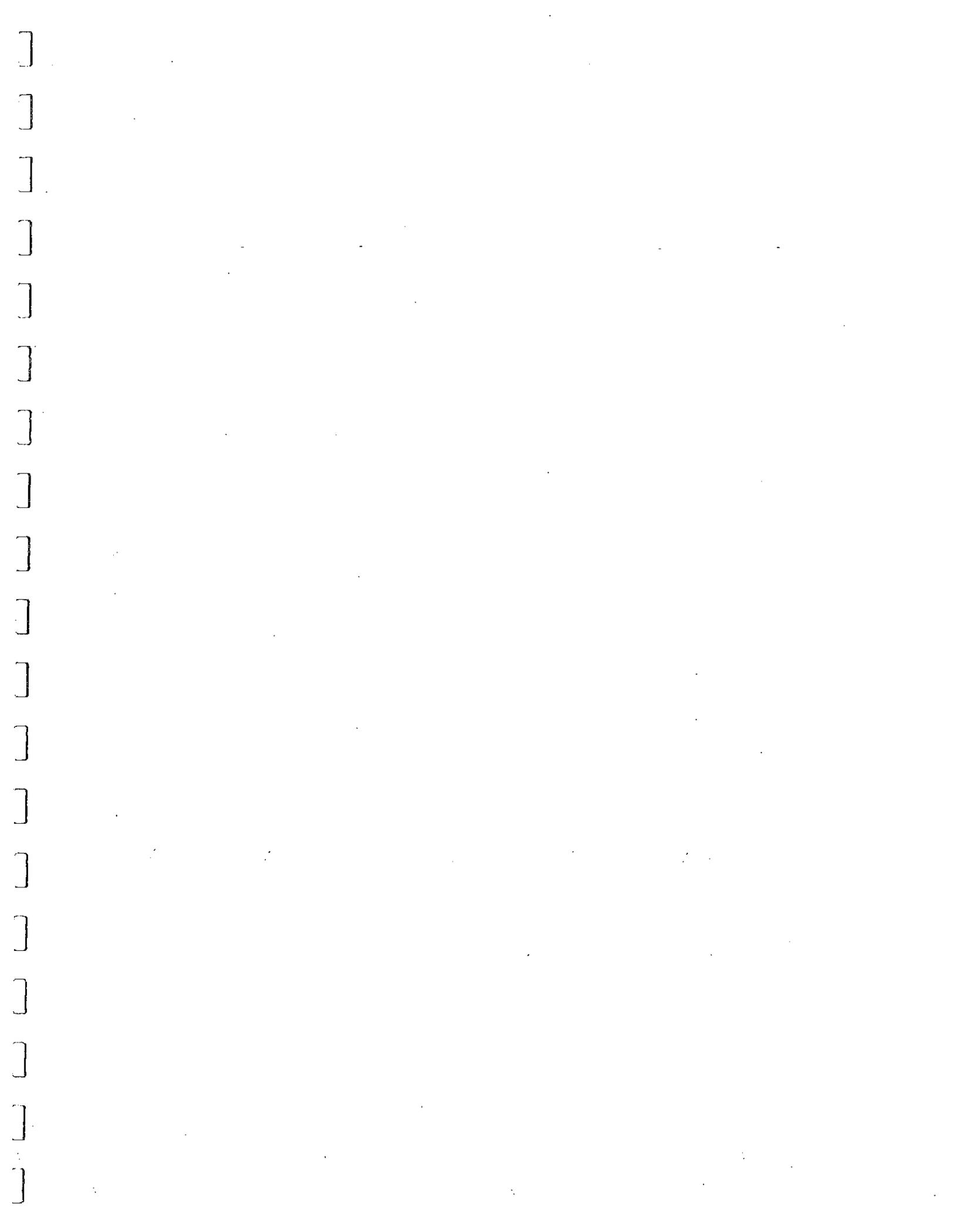
5.0 Correspondence and Coordination

All research was performed using Environmental Data Resources in which databases from certain state and federal agencies were used to make determinations. The state and federal agency databases are listed in the reference section of the EDR NEPA Check report in Appendix C and the EDR Radius Map with GeoCheck report located in Appendix D. Additional database searches were performed on any data that was lacking in the EDR report, such as FEMA flood data, NWI data, VDHR data, threatened and endangered species data, and 303 (d) list of impaired waters data. Agency review and correspondence with the US Army Corps of Engineers (USACE), the Virginia Department of Conservation and Recreation (DCR), the Virginia Department of Historic Resources (VDHR), the Virginia Department of Game and Inland Fisheries (VDGIF), the Virginia Marine Resources Commission (VMRC), and the Virginia Department of Environmental Quality (DEQ) are located in Appendix F of this report.

6.0 Exhibits/Maps

Appendix A

- USGS Topographic Maps
- Existing Conditions of Service Areas



Appendix B

- Proposed Alternative

Appendix C

- **National Environmental Policy Act of 1969 (NEPA) Data**
 - Natural Areas Map & Data
 - Historic Sites Map & Data
 - Flood Plain Map & Data
 - Wetlands Map & Data
 - FCC & FAA Map & Data

Cheriton and Cape Charles

By Pass 13 and Route 184

Cape Charles, VA 23310

Inquiry Number: 2798110.2s

June 21, 2010

EDR NEPACheck®



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Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Section	Regulation
Natural Areas Map	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
Flood Plain Map	
• National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
FCC & FAA Map	
• FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient	47 CFR 1.1307(8)
Key Contacts and Government Records Searched	

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 27 of this report.

TARGET PROPERTY ADDRESS

CHEITON AND CAPE CHARLES
BY PASS 13 AND ROUTE 184
CAPE CHARLES, VA 23310

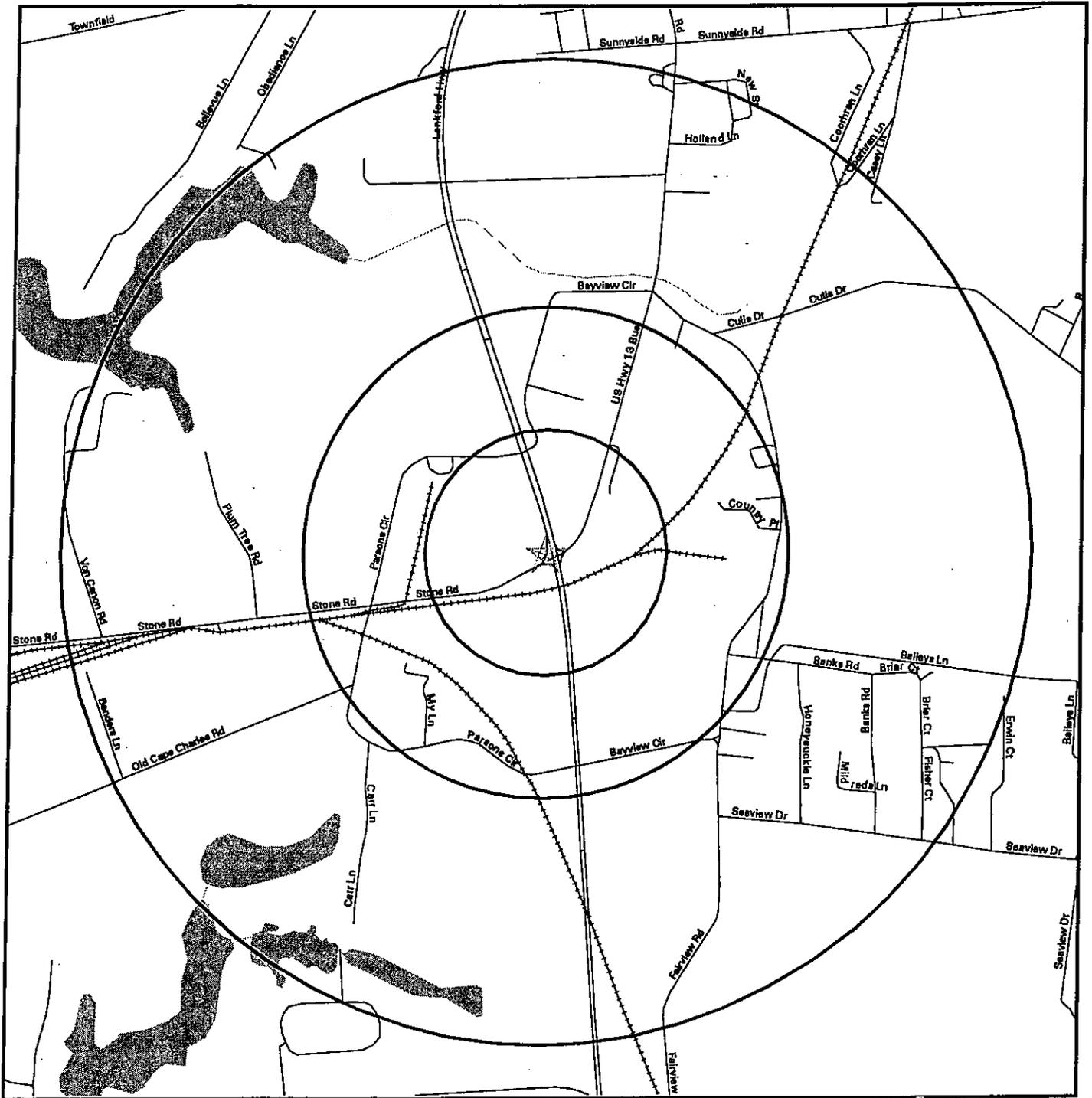
Inquiry #: 2798110.2s
Date: 6/21/10

TARGET PROPERTY COORDINATES

Latitude (North): 37.272259 - 37° 16' 20.1"
Longitude (West): 75.975616 - 75° 58' 32.2"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 413500.4
UTM Y (Meters): 4125318.0

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
<u>NATURAL AREAS MAP</u>				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	VA Endangered Species	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	County Endangered Species	County	YES	N/A
<u>HISTORIC SITES MAP</u>				
1.1307a (4) Listed or eligible for National Register	National Register of Hist. Pla	1.00	YES	NO
1.1307a (4) Listed or eligible for National Register	VA Historic Sites	1.00	NO	NO
	Indian Reservation	1.00	NO	NO
	APPAL_TRAIL	1.00	NO	NO
<u>FLOODPLAIN MAP</u>				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	YES	NO
<u>WETLANDS MAP</u>				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	YES
<u>FCC & FAA SITES MAP</u>				
	Cellular	1.00	NO	NO
	4G Cellular	1.00	NO	NO
	Antenna Structure Registration	1.00	YES	NO
	Towers	1.00	NO	NO
	AM Antenna	1.00	NO	NO
	FM Antenna	1.00	NO	NO
	FAA DOF	1.00	YES	NO
	Airports	1.00	NO	---
	Power Lines	1.00	NO	---

Natural Areas Map



- | | |
|-------------------|---------------------------|
| ★ Target Property | ⊕ Locations |
| — Roads | ▨ Federal Areas |
| — County Boundary | ▨ Federal Linear Features |
| — Waterways | ▨ State Areas |
| ■ Water | ▨ State Linear Features |



<p>SITE NAME: Cheiton and Cape Charles ADDRESS: By Pass 13 and Route 184 Cape Charles VA 23310 LAT/LONG: 37.2723 / 75.9756</p>	<p>CLIENT: Hurt & Proffitt, Inc. CONTACT: Tiffany Clifton INQUIRY #: 2798110.2s DATE: June 21, 2010</p> <p style="text-align: right;">TC2798110.2s Page 3 of 32</p>
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NATURAL AREAS MAP FINDINGS

Endangered Species Listed for: NORTHAMPTON County, VA.

Source: EPA Endangered Species Protection Program Database

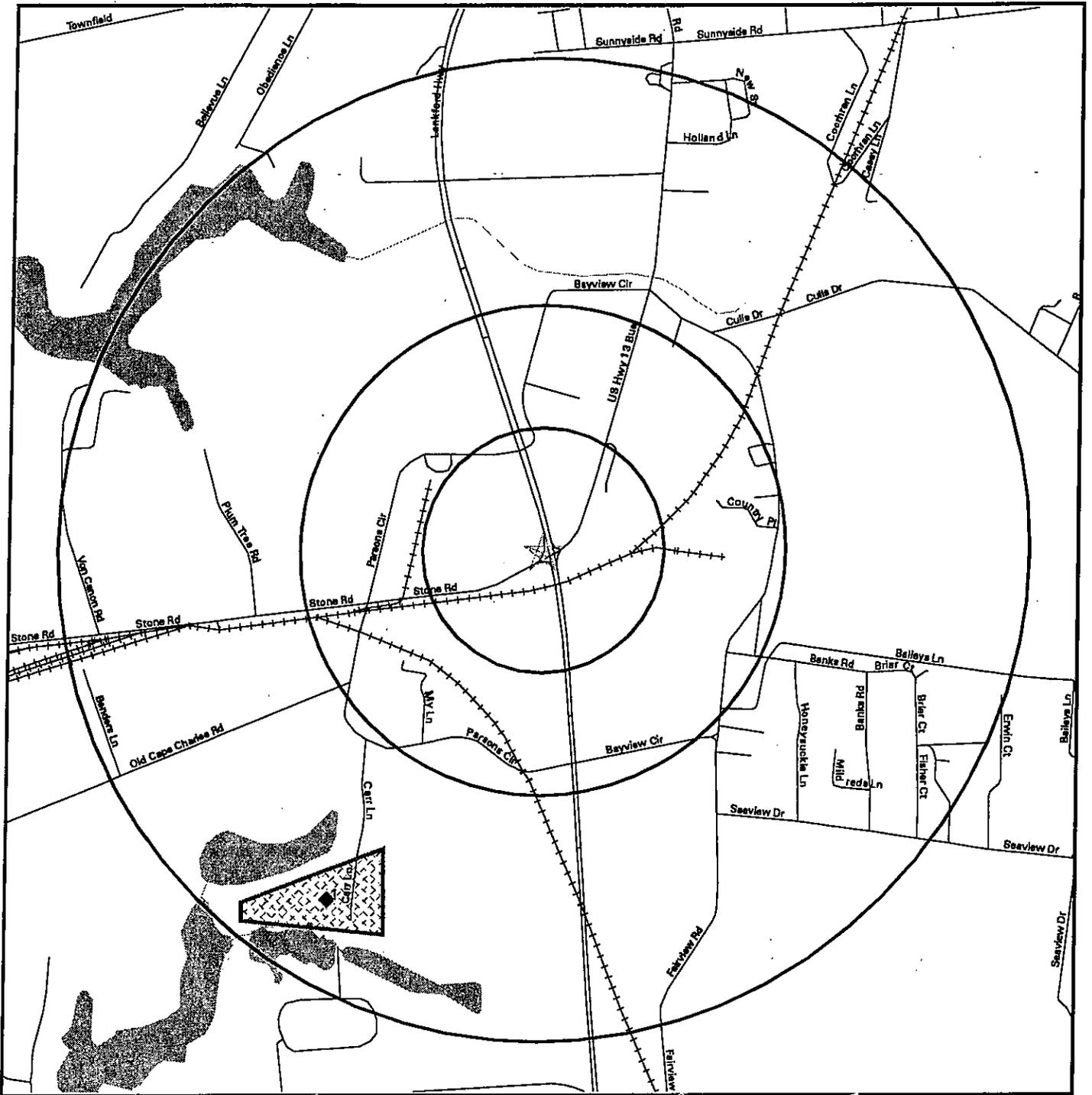
BIRD: PLOVER, PIPING
BIRD: EAGLE, BALD
INSECT: BEETLE, NORTHEASTERN BEACH TIGER
MAMMAL: SQUIRREL, DELMARVA PENINSULA FOX
REPTILE: TURTLE, LOGGERHEAD SEA

Map ID
Direction
Distance
Distance (ft.)

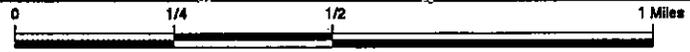
EDR ID
Database

No mapped sites were found in EDR's search of available government records within the search radius around the target property.

Historic Sites Map



- | | |
|-------------------|--------------------------|
| ★ Target Property | ◆ Historic Sites |
| ↘ Streets | ▨ Federal Historic Areas |
| ↘ County Boundary | ▨ State Historic Areas |
| ↘ Waterways | ▨ US Indian Reservations |
| ▨ Water | ↘ Scenic Trail |



SITE NAME: Cheilton and Cape Charles ADDRESS: By Pass 13 and Route 184 Cape Charles VA 23310 LAT/LONG: 37.2723 / 75.9756	CLIENT: Hurt & Proffitt, Inc. CONTACT: Tiffany Clifton INQUIRY #: 2798110.2s DATE: June 21, 2010
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HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

1
SSW
1/2-1 mi
3633

80004206
National Register of Hist. Places

Refnum: 80004206
Resname: Stratton Manor
Address: SE of Cape Charles off VA 642
Resource Type: Building
Number buildings: 000001
Number sites: 000000
Number structs: 000000
Number objects: 000000
Non-contrib bldg: 000003
Non-contrib sites: 000000
Non-contrib structs: 000000
Non-contrib objects: 000000
Primary Certification: Listed in the national register
Certification date: 19801128
Acreage: 150
Alternate name: Not Reported
County: Northampton
City: Cape Charles
Applicable Criteria: Architecture/Engineering
Areas of significance: Architecture
Current Function: Domestic
Building Material: Brick
Building Material: None listed
Building Material: None listed
Building Material: Aluminum
Building Material: Wood

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

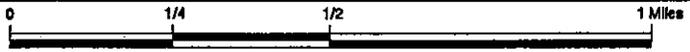
Status
EDR ID
Database

No unmapped sites were found in EDR's search of available government records.

Flood Plain Map



- | | | |
|-----------------|-------------|------------------------------------|
| Major Roads | Power Lines | Water |
| Contour Lines | Pipe Lines | 100-year flood zone |
| Waterways | Fault Lines | 500-year flood zone |
| County Boundary | | Electronic FEMA data available |
| | | Electronic FEMA data not available |



SITE NAME: Cheiton and Cape Charles
ADDRESS: By Pass 13 and Route 184
 Cape Charles VA 23310
LAT/LONG: 37.2723 / 75.9756

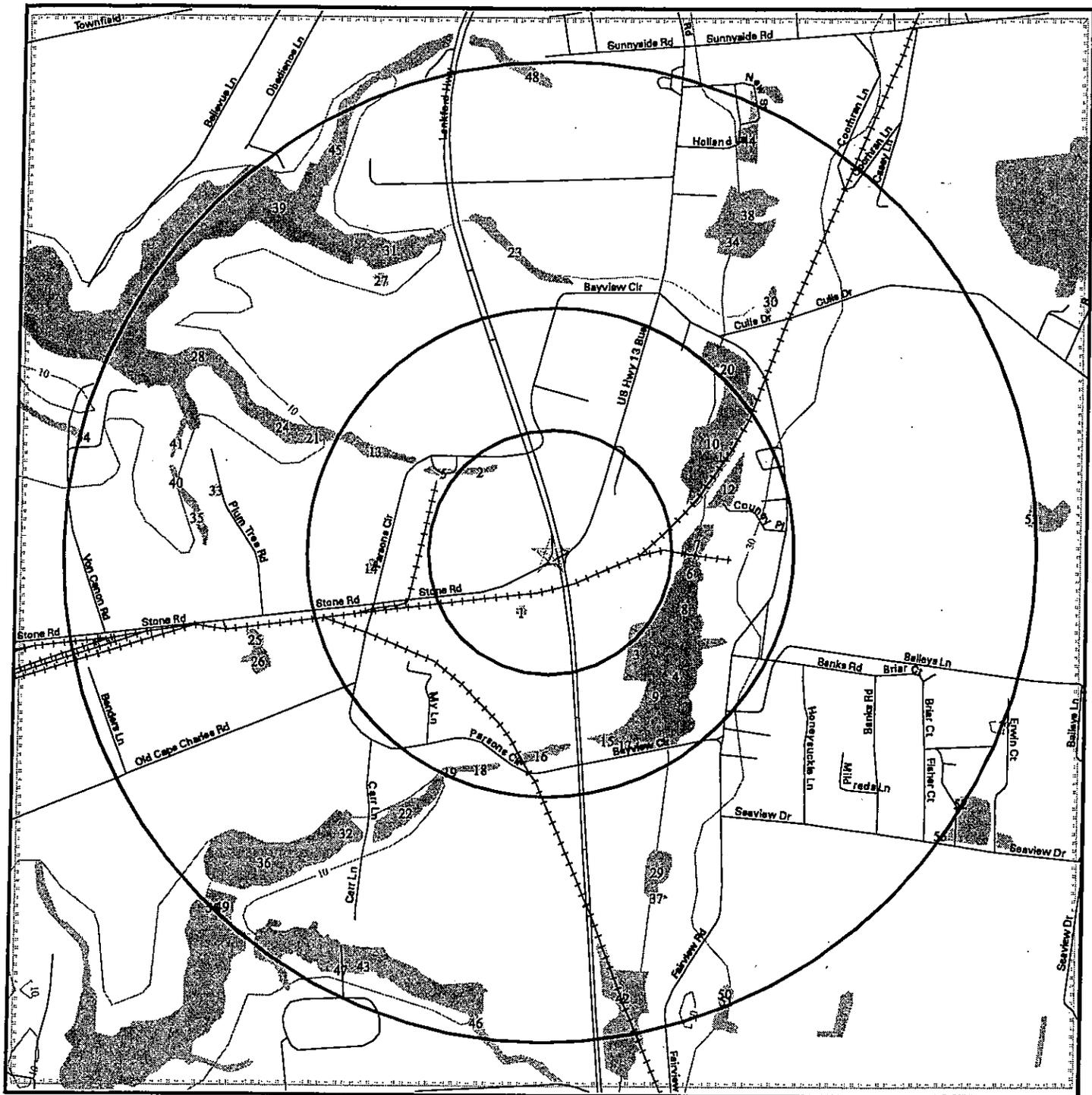
CLIENT: Hurt & Proffitt, Inc.
CONTACT: Tiffany Clifton
INQUIRY #: 2798110.2s
DATE: June 21, 2010

FLOOD PLAIN MAP FINDINGS

Source: FEMA DFIRM Flood Data, FEMA Q3 Flood Data

County	FEMA flood data electronic coverage
NORTHAMPTON, VA	YES
Flood Plain panel at target property:	51131C (FEMA DFIRM Flood data)
Additional Flood Plain panel(s) in search area:	None Reported

National Wetlands Inventory Map



- | | | |
|-----------------|-------------|-----------------------------------|
| Major Roads | Power Lines | Water |
| Contour Lines | Pipe Lines | National Wetland Inventory |
| Waterways | Fault Lines | Electronic NWI data available |
| County Boundary | | Electronic NWI data not available |

SITE NAME: Cheiton and Cape Charles
ADDRESS: By Pass 13 and Route 184
 Cape Charles VA 23310
LAT/LONG: 37.2723 / 75.9756

CLIENT: Hurt & Proffitt, Inc.
CONTACT: Tiffany Clifton
INQUIRY #: 2798110.2s
DATE: June 21, 2010

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Cheriton
 Additional NWI hardcopy map(s) in search area:
 Not reported in source data

Map ID	Direction	Distance	Distance (ft.)	Code and Description*	Database
1	SSW	0-1/8 mi	642	PUBHx [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [x] Excavated Lat/Lon: 37.270668 / -75.976570	NWI
2	NW	1/8-1/4 mi	1076	PFO1Eh [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated, [h] Diked/Impounded Lat/Lon: 37.274693 / -75.977715	NWI
3	SE	1/8-1/4 mi	1199	PEM1/FO1Bd [P] Palustrine, [EM] Emergent, [1] Persistent / , [FO] Forested, [1] Broad-Leaved Deciduous, [B] Saturated, [d] Partially Drained/Ditched Lat/Lon: 37.270096 / -75.972519	NWI
4	SE	1/8-1/4 mi	1225	PFO1Bd [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [B] Saturated, [d] Partially Drained/Ditched Lat/Lon: 37.270157 / -75.972336	NWI
5	NW	1/8-1/4 mi	1261	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 37.274582 / -75.978836	NWI
6	East	1/4-1/2 mi	1381	PEM1B [P] Palustrine, [EM] Emergent, [1] Persistent, [B] Saturated Lat/Lon: 37.271606 / -75.970947	NWI
7	East	1/4-1/2 mi	1422	PEM1Ad [P] Palustrine, [EM] Emergent, [1] Persistent, [A] Temporarily Flooded, [d] Partially Drained/Ditched Lat/Lon: 37.272465 / -75.970741	NWI
8	ESE	1/4-1/2 mi	1440	PSS4Bd [P] Palustrine, [SS] Scrub-Shrub, [4] Needle-Leaved Evergreen, [B] Saturated, [d] Partially Drained/Ditched Lat/Lon: 37.270695 / -75.971077	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
9 SE 1/4-1/2 mi 1478	PSS4Bd [P] Palustrine, [SS] Scrub-Shrub, [4] Needle-Leaved Evergreen, [B] Saturated, [d] Partially Drained/Ditched Lat/Lon: 37.269634 / -75.971741	NWI
10 ENE 1/4-1/2 mi 1567	PFO4/1Bd [P] Palustrine, [FO] Forested, [4] Needle-Leaved Evergreen / , [FO] Forested, [1] Broad-Leaved Deciduous, [B] Saturated, [d] Partially Drained/Ditched Lat/Lon: 37.273735 / -75.970566	NWI
11 ENE 1/4-1/2 mi 1616	PEM1C [P] Palustrine, [EM] Emergent, [1] Persistent, [C] Seasonally Flooded Lat/Lon: 37.273655 / -75.970352	NWI
12 ENE 1/4-1/2 mi 1763	PFO1B [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [B] Saturated Lat/Lon: 37.273590 / -75.969795	NWI
13 WNW 1/4-1/2 mi 1766	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 37.274872 / -75.980736	NWI
14 West 1/4-1/2 mi 1895	PUSAx [P] Palustrine, [US] Unconsolidated Shore, [A] Temporarily Flooded, [x] Excavated Lat/Lon: 37.272007 / -75.982124	NWI
15 SSE 1/4-1/2 mi 2055	PFO1C [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [C] Seasonally Flooded Lat/Lon: 37.266834 / -75.973663	NWI
16 South 1/4-1/2 mi 2075	PFO1C [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [C] Seasonally Flooded Lat/Lon: 37.266590 / -75.974846	NWI
17 SSE 1/4-1/2 mi 2179	PEM1C [P] Palustrine, [EM] Emergent, [1] Persistent, [C] Seasonally Flooded Lat/Lon: 37.266720 / -75.972778	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
18 SSW 1/4-1/2 mi 2334	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 37.265999 / -75.977386	NWI
19 SSW 1/4-1/2 mi 2486	PSS1Fh [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [F] Semipermanently Flooded, [h] Diked/Impounded Lat/Lon: 37.265896 / -75.978737	NWI
20 NE 1/4-1/2 mi 2519	PFO4Bd [P] Palustrine, [FO] Forested, [4] Needle-Leaved Evergreen, [B] Saturated, [d] Partially Drained/Ditched Lat/Lon: 37.276920 / -75.969223	NWI
21 WNW 1/4-1/2 mi 2583	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 37.275562 / -75.983475	NWI
22 SSW 1/4-1/2 mi 2636	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 37.265732 / -75.979553	NWI
23 North 1/2-1 mi 2903	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 37.280220 / -75.975090	NWI
24 WNW 1/2-1 mi 2972	E2US2M [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [2] Sand, [M] Irregularly Exposed Lat/Lon: 37.275780 / -75.984840	NWI
25 WSW 1/2-1 mi 3245	PEM1C [P] Palustrine, [EM] Emergent, [1] Persistent, [C] Seasonally Flooded Lat/Lon: 37.269691 / -75.986305	NWI
26 WSW 1/2-1 mi 3251	PFO1C [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [C] Seasonally Flooded Lat/Lon: 37.268929 / -75.985992	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
27 NNW 1/2-1 mi 3400	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 37.280155 / -75.981857	NWI
28 WNW 1/2-1 mi 3400	E1UBL [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal Lat/Lon: 37.276142 / -75.986252	NWI
29 SSE 1/2-1 mi 3418	PFO1/EM1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous / , [EM] Emergent, [1] Persistent, [E] Seasonally Flooded/Saturated Lat/Lon: 37.263451 / -75.971542	NWI
30 NE 1/2-1 mi 3464	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 37.279366 / -75.967705	NWI
31 NNW 1/2-1 mi 3522	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 37.281013 / -75.980766	NWI
32 SW 1/2-1 mi 3522	PEM1Eh [P] Palustrine, [EM] Emergent, [1] Persistent, [E] Seasonally Flooded/Saturated, [h] Diked/Impounded Lat/Lon: 37.264584 / -75.982994	NWI
33 West 1/2-1 mi 3670	PUBF [P] Palustrine, [UB] Unconsolidated Bottom, [F] Semipermanently Flooded Lat/Lon: 37.274010 / -75.988045	NWI
34 NNE 1/2-1 mi 3687	PFO1B [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [B] Saturated Lat/Lon: 37.281147 / -75.969536	NWI
35 West 1/2-1 mi 3727	PSS1Eh [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated, [h] Diked/Impounded Lat/Lon: 37.272820 / -75.988411	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
36 SW 1/2-1 mi 3812	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 37.263893 / -75.983513	NWI
37 SSE 1/2-1 mi 3837	PUBHx [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [x] Excavated Lat/Lon: 37.262161 / -75.971825	NWI
38 NNE 1/2-1 mi 3899	PFO4B [P] Palustrine, [FO] Forested, [4] Needle-Leaved Evergreen, [B] Saturated Lat/Lon: 37.281418 / -75.968674	NWI
39 NW 1/2-1 mi 3950	E2US2M [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [2] Sand, [M] Irregularly Exposed Lat/Lon: 37.281254 / -75.983208	NWI
40 West 1/2-1 mi 4028	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 37.273991 / -75.989304	NWI
41 WNW 1/2-1 mi 4209	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 37.275677 / -75.989449	NWI
42 South 1/2-1 mi 4259	PFO4/1B [P] Palustrine, [FO] Forested, [4] Needle-Leaved Evergreen / , [FO] Forested, [1] Broad-Leaved Deciduous, [B] Saturated Lat/Lon: 37.260674 / -75.973564	NWI
43 SSW 1/2-1 mi 4604	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 37.260536 / -75.981567	NWI
44 NNE 1/2-1 mi 4674	PFO1B [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [B] Saturated Lat/Lon: 37.283943 / -75.968964	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
45 NNW 1/2-1 mi 4680	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 37.283100 / -75.984276	NWI
46 South 1/2-1 mi 4851	PEM1Fh [P] Palustrine, [EM] Emergent, [1] Persistent, [F] Semipermanently Flooded, [h] Diked/Impounded Lat/Lon: 37.259056 / -75.977921	NWI
47 SSW 1/2-1 mi 4889	PFO4/1Ch [P] Palustrine, [FO] Forested, [4] Needle-Leaved Evergreen / , [FO] Forested, [1] Broad-Leaved Deciduous, [C] Seasonally Flooded, [h] Diked/Impounded Lat/Lon: 37.259838 / -75.982033	NWI
48 North 1/2-1 mi 5000	PFO1C [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [C] Seasonally Flooded Lat/Lon: 37.285988 / -75.976013	NWI
49 SW 1/2-1 mi 5016	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 37.261986 / -75.987122	NWI
50 SSE 1/2-1 mi 5066	PUBF [P] Palustrine, [UB] Unconsolidated Bottom, [F] Semipermanently Flooded Lat/Lon: 37.259476 / -75.968735	NWI
51 SSE 1/2-1 mi 5116	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 37.259384 / -75.968559	NWI
52 ESE 1/2-1 mi 5192	PFO1B [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [B] Saturated Lat/Lon: 37.264919 / -75.960320	NWI
53 East 1/2-1 mi 5192	PFO4B [P] Palustrine, [FO] Forested, [4] Needle-Leaved Evergreen, [B] Saturated Lat/Lon: 37.273067 / -75.957802	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
54 WNW 1/2-1 mi 5203	PFO1R [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [R] Seasonal-Tidal Lat/Lon: 37.275566 / -75.993027	NWI
55 SE 1/2-1 mi 5236	PFO4B [P] Palustrine, [FO] Forested, [4] Needle-Leaved Evergreen, [B] Saturated Lat/Lon: 37.264008 / -75.960876	NWI
56 SW 1/2-1 mi 5237	E2US2N [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [2] Sand, [N] Regularly Flooded Lat/Lon: 37.261780 / -75.987961	NWI

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM

MARINE

SUBSYSTEM

1 - SUBTIDAL

CLASS

RB-ROCK BOTTOM 1 Bedrock
2 Rubble

UB-UNCONSOLIDATED BOTTOM 1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

AB-AQUATIC BED 1 Algal
3 Rooted Vascular
5 Unknown Submergent

RF-REEF 1 Coral
3 Worm

OW-OPEN WATER / Unknown Bottom

Subclass

1 Bedrock
2 Rubble
3 Mud
4 Organic

1 Algal
3 Rooted Vascular
5 Unknown Submergent

1 Coral
3 Worm

2 - INTERTIDAL

AB-AQUATIC BED 1 Algal
3 Rooted Vascular
5 Unknown Submergent

RF-REEF 1 Coral
3 Worm

RS-ROCKY SHORE 1 Bedrock
2 Rubble

US-UNCONSOLIDATED SHORE 1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

SYSTEM

E - ESTUARINE

SUBSYSTEM

1 - SUBTIDAL

CLASS

RB-ROCK BOTTOM 1 Bedrock
2 Rubble

UB-UNCONSOLIDATED BOTTOM 1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

AB-AQUATIC BED 1 Algal
3 Rooted Vascular
4 Floating Vascular
5 Unknown Submergent
6 Unknown Surface

RF-REEF 2 Mollusk
3 Worm

OW-OPEN WATER / Unknown Bottom

Subclass

1 Bedrock
2 Rubble
3 Mud
4 Organic

1 Algal
3 Rooted Vascular
4 Floating Vascular
5 Unknown Submergent
6 Unknown Surface

2 Mollusk
3 Worm

SUBSYSTEM

2 - INTERTIDAL

CLASS

AB-AQUATIC BED 1 Algal
3 Rooted Vascular
4 Floating Vascular
5 Unknown Submergent
6 Unknown Surface

RF-REEF 2 Mollusk
3 Worm

SB - STREAMBED 1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

RS-ROCKY SHORE 1 Bedrock
2 Rubble

US-UNCONSOLIDATED SHORE 1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

SS-SCRUB SHRUB 1 Broad-Leaved Deciduous
2 Needle-Leaved Deciduous
3 Broad-Leaved Evergreen
4 Needle-Leaved Evergreen
5 Dead
6 Deciduous
7 Evergreen

FO-FORESTED 1 Broad-Leaved Deciduous
2 Needle-Leaved Deciduous
3 Broad-Leaved Evergreen
4 Needle-Leaved Evergreen
5 Dead
6 Deciduous
7 Evergreen

Subclass

1 Algal
3 Rooted Vascular
4 Floating Vascular
5 Unknown Submergent
6 Unknown Surface

2 Mollusk
3 Worm

1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

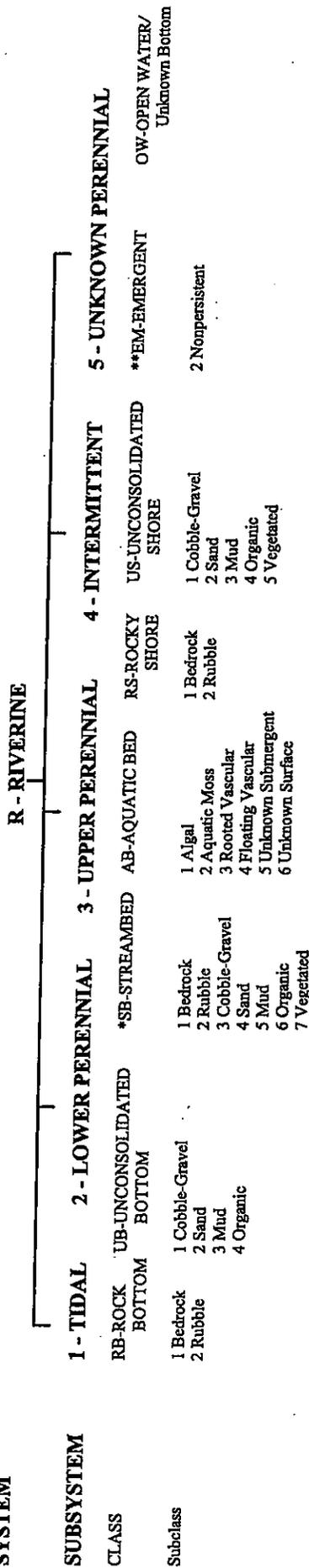
1 Bedrock
2 Rubble

1 Cobble-Gravel
2 Sand
3 Mud
4 Organic

1 Broad-Leaved Deciduous
2 Needle-Leaved Deciduous
3 Broad-Leaved Evergreen
4 Needle-Leaved Evergreen
5 Dead
6 Deciduous
7 Evergreen

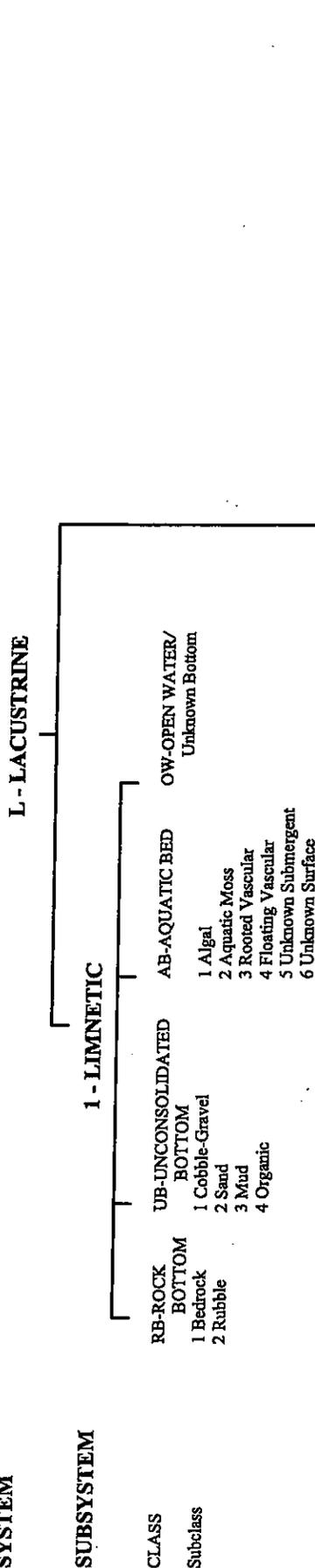
1 Broad-Leaved Deciduous
2 Needle-Leaved Deciduous
3 Broad-Leaved Evergreen
4 Needle-Leaved Evergreen
5 Dead
6 Deciduous
7 Evergreen

SYSTEM

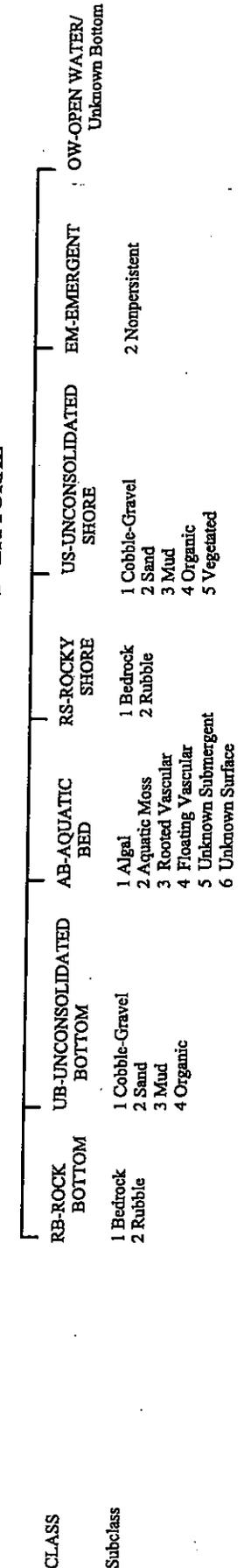


* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
 **EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM

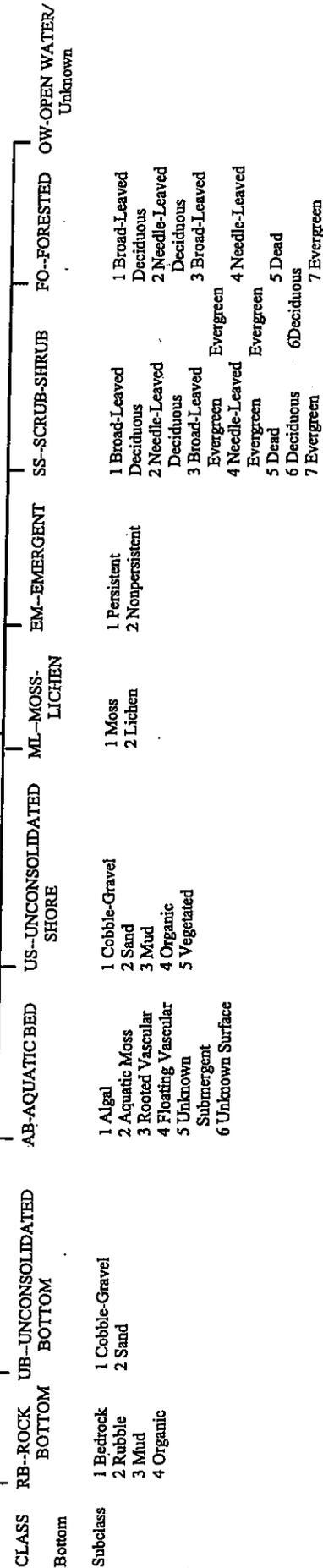


SUBSYSTEM



SUBSYSTEM

P - PALUSTRINE



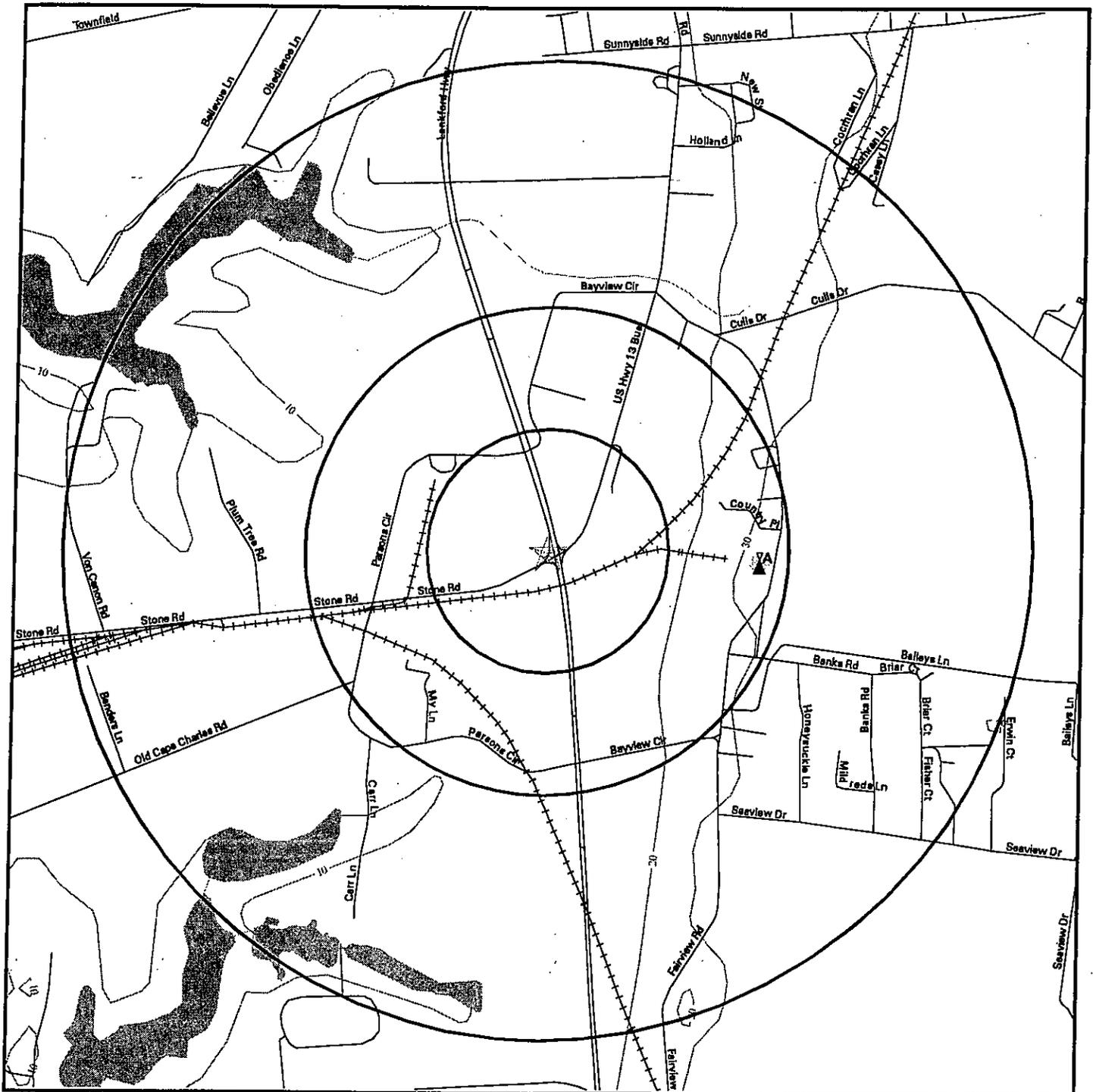
MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farm modifier may also be applied to the ecological system.

WATER REGIME		WATER CHEMISTRY		SOIL	SPECIAL MODIFIERS	
Non-Tidal A Temporarily Flooded B Saturated C Seasonally Flooded D Seasonally Flooded/ Well Drained E Seasonally Flooded/ Saturated F Semipermanently Flooded G Intermittently Exposed	Tidal H Permanently Flooded J Intermittently Flooded K Artificially Flooded W Intermittently Flooded/Temporary Y Saturated/Semipermanent/ Seasonal Z Intermittently Exposed/Permanent U Unknown	Coastal *S Temporary-Tidal *R Seasonal-Tidal *T Semipermanent -Tidal V Permanent-Tidal U Unknown	Hypersaline 7 Eubaline 8 Mixohaline (Brackish) 9 Polyhaline 0 Mesohaline 6 Oligohaline 0 Fresh	all Fresh Water a Acid t Circumneutral i Alkaline	g Organic n Mineral	b Beaver d Partially Drained/Ditched f Farned h Diked/Impounded r Artificial Substrate s Spoil x Excavated

Source: U.S. Department of the Interior
Fish and Wildlife Service
National Wetlands Inventory

FCC & FAA Sites Map



- Streets
- Contour Lines
- County Boundary
- Waterways
- Power Lines
- Water
- Sites

SITE NAME: Cheiton and Cape Charles
ADDRESS: By Pass 13 and Route 184
 Cape Charles VA 23310
LAT/LONG: 37.2723 / 75.9756

CLIENT: Hurt & Proffitt, Inc.
CONTACT: Tiffany Clifton
INQUIRY #: 2798110.2s
DATE: June 21, 2010

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID Direction Distance Distance (ft.)	EDR ID Database
A1 East 1/4-1/2 mi 2284	DOF200000069411 NOAA_DOF
Obstacle n: 51-001501 O or u: U Country: US State: VA City: CHERITON Lat deg: 37 Lat min: 16 Lat sec: 19.00N Lon deg: 75 Lon min: 58 Lon sec: 04.00W Obstacle type: TOWER Quantity: 1 Agl ht: 265 Amsl ht: 291 Lighting: U Horiz acc: Not Reported Vert acc: Not Reported Marking: U Faa num: 1997AEA03708OE Action: A Julian: 1998096 30 Edr id: DOF200000069411	

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID	Direction	Distance	Distance (ft.)	EDR ID	Database
A2	East	1/4-1/2 mi	2366	ANT200000058260	ANTREG
Regnum:			1059674		
Filenum:			A0594826		
Issuedate:			5/21/2008		
Entity:			A & N Electric Cooperative		
Lat dms:			37,16,19		
Lat dir:			1		
Lon dms:			75,58,3		
Lon dir:			-1		
Dd temp:			37.2719		
Dd temp0:			-75.9675		
Strucht:			76.2		
Strucadd:			BAYVIEW CIRCLE, 2 MILES E OF RT 13, 1.1 MI N OF		
Struccity:			CHERITON		
Strucstate:			VA		
Faastudy:			97-AEA-3708-OE		
Faacirc:			70/7460-1J		
Licid:			L00091971		
Contname:			Thomas A Larson		
Contadd:			21275 Cooperative Way		
Contpo:			290		
Contcity:			Tasley		
Contstate:			VA		
Contzip:			234410290		
Edr id:			ANT200000058260		

This record is for a license, and it may or may not indicate a site which has been built.

**FCC & FAA SITES MAP FINDINGS
AIRPORTS**

EDR ID
Database

No Sites Reported.

**FCC & FAA SITES MAP FINDINGS
POWERLINES**

EDR ID
Database

No Sites Reported.

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS

Officially designated wilderness areas

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

National Park Service, Northeast Region

200 custom Street, Fifth Floor

Philadelphia, PA 19106

215-597-7013

National Park Service, National Capital Region

1100 Ohio Drive, SW

Washington, DC 20242

202-619-7256

USDA Forest Service, Southern

1720 Peachtree Road, N.W.

Atlanta, GA 30367

404-347-2384

BLM - Eastern States Office

7450 Boston Blvd.

Springfield, VA 22153

703-440-1713

Fish & Wildlife Service, Region 5

Div. Of Personnel Mgmt. 300 Westgate Center Drive

Hadley, MA 01035-9589

413-253-8313

Officially designated wildlife preserves, sanctuaries and refuges

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5
Div. Of Personnel Mgmt. 300 Westgate Center Drive
Hadley, MA 01035-9589
413-253-8313

State Contacts for Additional Information

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5
Div. Of Personnel Mgmt. 300 Westgate Center Drive
Hadley, MA 01035-9589
413-253-8313

Endangered Species

Government Records Searched in This Report

Endangered Species Protection Program Database

A listing of endangered species by county.

Source: Environmental Protection Agency

Telephone: 703-305-5239

VA Endangered Species: VA Endangered Species

Virginia Endangered Species

Source: Department of Game and Inland Fisheries.

Telephone: 804-367-1000

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5
Div. Of Personnel Mgmt. 300 Westgate Center Drive
Hadley, MA 01035-9589
413-253-8313

State Contacts for Additional Information

Div. Of Natural Heritage, Dept. of Conservation & Recreation 804-367-1000

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES

Historic Places

Government Records Searched in This Report

National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/23/2006

VA Historic Sites: The Virginia Landmarks Register

A listing of historic sites on the State register. A compilation of the states buildings structures sites and districts that have been officially designated as historic landmarks by the Virginia Board of Historic Resources over the past thirty years.

Source: Department of Historic Resources.

Telephone: 804-367-2323

Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation

1849 C Street NW

Washington, DC 20240

Phone: (202) 208-6843

State Contacts for Additional Information

Department of Historic Resources 804-367-2323

Indian Religious Sites

Government Records Searched in This Report

Indian Reservations:

This map layer portrays Indian administrated lands of the United States that have any area equal to or greater than 640 acres.

Source: USGS

Phone: 888-275-8747

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs

Office of Public Affairs

1849 C Street, NW

Washington, DC 20240-0001

Office: 202-208-3711

Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers

1411 K Street NW, Suite 700

Washington, DC 20005

Phone: 202-628-8476

Fax: 202-628-2241

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:
<http://www.doi.gov/bia/areas/agency.html>

Scenic Trails

Government Records Searched in This Report

APPAL_TRAIL: Appalachian Trail

Source: Appalachian Trail Conference
Telephone: (304) 535-6331
Appalachian Trail centerline.

State Contacts for Additional Information

Appalachian Trail Conference
799 Washington Street P.O. Box 807
Harpers Ferry, WV 25425-0807
(304) 535-6331

Potomac Heritage Partnership
1623 28th Street, NW
Washington, D.C. 20007
202-338-6222

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information

Department of Emergency Services 804-897-6500

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2004 from the U.S. Fish and Wildlife Service.

Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information

Dept. of Game & Inland Fisheries 804-367-9231

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas

Dept. of Env., Health & Natural Resources
919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management

N/ORM, SSMC4

1305 East-West Highway
Silver Spring, Maryland 20910
301-713-3102

State Contacts for Additional Information

Coastal Program, Dept. of Environmental Quality 804-698-4320

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular

Federal Communications Commission

445 12th Street, SW
Washington, DC 20554
888-225-5322

4G Cellular

Federal Communications Commission

445 12th Street, SW
Washington, DC 20554
888-225-5322

Antenna Structure Registration

Federal Communications Commission

445 12th Street, SW
Washington, DC 20554
888-225-5322

Towers

Federal Communications Commission

445 12th Street, SW
Washington, DC 20554
888-225-5322

AM Antenna

Federal Communications Commission

445 12th Street, SW
Washington, DC 20554
888-225-5322

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

FM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FAA Digital Obstacle File

Federal Aviation Administration (FAA)
1305 East-West Highway, Station 5631
Silver Spring, MD 20910-3281
Telephone: 301-713-2817

Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities

Federal Aviation Administration
Telephone (800) 457-6656
Private and public use landing facilities.

Electric Power Transmission Line Data

Rextag Strategies Corp.
14405 Walters Road, Suite 510
Houston, TX 77014
281-769-2247
U.S. Electric Transmission and Power Plants systems Digital GIS Data.

Excessive Radio Frequency Emission

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information

Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470

OTHER CONTACT SOURCES

STREET AND ADDRESS INFORMATION

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Appendix D

- **Environmental Site Assessment Data**
 - Underground Storage Tank Data
 - Physical Setting Source Data

Cheriton and Cape Charles

By Pass 13 and Route 184
Cape Charles, VA 23310

Inquiry Number: 2798110.1s
June 21, 2010

The EDR Radius Map™ Report with GeoCheck®



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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

BY PASS 13 AND ROUTE 184
CAPE CHARLES, VA 23310

COORDINATES

Latitude (North): 37.272300 - 37° 16' 20.3"
Longitude (West): 75.975600 - 75° 58' 32.2"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 413502.2
UTM Y (Meters): 4125322.2
Elevation: 15 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 37075-C8 CHERITON, VA
Most Recent Revision: 1986

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Management Facilities

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Sites Listing
INST CONTROL..... Voluntary Remediation Program Database

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

VCP..... Voluntary Remediation Program
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Specific Assessments

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Pollution Complaint Database

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System

EXECUTIVE SUMMARY

PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
DRYCLEANERS.....	Drycleaner List
ENF.....	Enforcement Actions Data
NPDES.....	Comprehensive Environmental Data System
AIRS.....	Permitted Airs Facility List
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
COAL ASH.....	Coal Ash Disposal Sites
COAL ASH DOE.....	Steam-Electric Plan Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Database.

A review of the LUST list, as provided by EDR, and dated 05/18/2004 has revealed that there is 1 LUST site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>BAYVIEW PEAKING PLANT</i> Facility Status: Closed Facility Status: Closed	<i>RT 684</i>	<i>NNE 1/8 - 1/4 (0.249 mi.)</i>	<i>A2</i>	<i>21</i>

EXECUTIVE SUMMARY

LTANKS: The Leaking Tanks Database contains current Leaking petroleum tanks. The data comes from the Department of Environmental Quality.

A review of the LTANKS list, as provided by EDR, and dated 03/03/2010 has revealed that there is 1 LTANKS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BAYVIEW PEAKING PLANT Facility Status: Closed	RT 684	NNE 1/8 - 1/4 (0.249 mi.)	A2	21

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Underground Storage Tank Data Notification Information.

A review of the UST list, as provided by EDR, and dated 03/03/2010 has revealed that there are 3 UST sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BAYVIEW PEAKING UNIT	RT 684	NNE 1/8 - 1/4 (0.249 mi.)	A4	23
FORMER PURE OIL STATION	3225 STONE RD	WSW 1/4 - 1/2 (0.303 mi.)	6	29
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
E&C ENTERPRISES INC VA 609	23055 LANKFORD HWY	NNW 1/8 - 1/4 (0.168 mi.)	1	7

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Quality's Aboveground Storage Tank Data Notification Information.

A review of the AST list, as provided by EDR, and dated 03/03/2010 has revealed that there are 2 AST sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BAYVIEW PEAKING UNIT	RT 684	NNE 1/8 - 1/4 (0.249 mi.)	A4	23
BAGWELL OIL COMPANY INCORPORAT	22455 PARSONS CIR	W 1/4 - 1/2 (0.330 mi.)	7	33

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA

EXECUTIVE SUMMARY

Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/14/2010 has revealed that there is 1 FINDS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CONECTIV DELMARVA GENERATION I	22872 BAYVIEW CIRCLE	NNE 1/8 - 1/4 (0.249 mi.)	A3	22

TIER 2: A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

A review of the TIER 2 list, as provided by EDR, and dated 12/31/2008 has revealed that there is 1 TIER 2 site within approximately 0.5 miles of the target property.

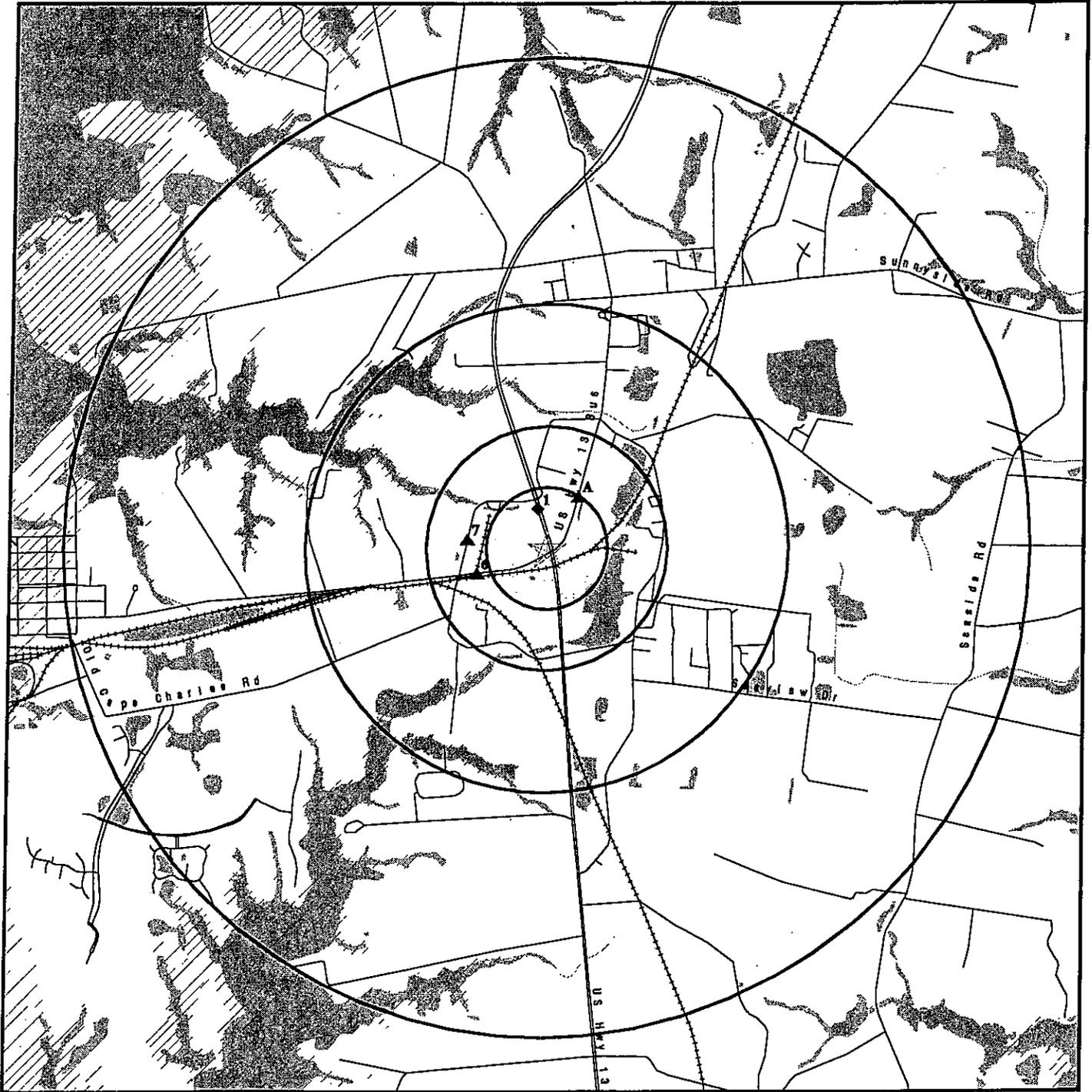
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BAYVIEW PEAKING STATION	22872 BAYVIEW CIRCLE	NNE 1/8 - 1/4 (0.249 mi.)	A5	28

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
CHESAPEAKE BAY BRIDGE TUNNEL	FTTS
CHESAPEAKE BAY BRIDGE TUNNEL	HIST FTTS INSP
EASTERN SHORE NATL WILDLIFE	CERCLIS,FINDS
SHORE STOP #7 CAPE CHARLES	LUST,LTANKS
F&M PLANT PARSONS SIDING	UST
SHORE STOP #7-205 CAPE CHARLES	UST
CHESAPEAKE BAY BRIDGE AND TUNNEL D	UST
ALBAN ENGINE POWER	FINDS,RCRA-NLR
CHESAPEAKE & POTOMAC TELEPHONE CO	FINDS,RCRA-NLR
CHESAPEAKE & POTOMAC TELEPHONE CO	FINDS,RCRA-NLR
BAYSHORE CONCRETE PRODUCTS	FINDS,RCRA-CESQG
USCG STATION CAPE CHARLES	FINDS,RCRA-CESQG
CHESAPEAKE BAY BRIDGE-TUNNEL	FINDS,RCRA-CESQG
ROYSTER - CLARK CAPE CHARLES	FINDS
CHESAPEAKE BAY BRIDGE AND TUNNEL D	FINDS,CEDS
EASTERN SHORE RAILROAD	BROWNFIELDS
LEBANON CHEMICAL CORPORATION	SSTS
HARVEY BELOTE & SONS	SSTS
ROYSTER-CLARK, INC. 2302	SSTS
ROYSTER-CLARK, INC. 1346	SSTS

OVERVIEW MAP - 2798110.1s



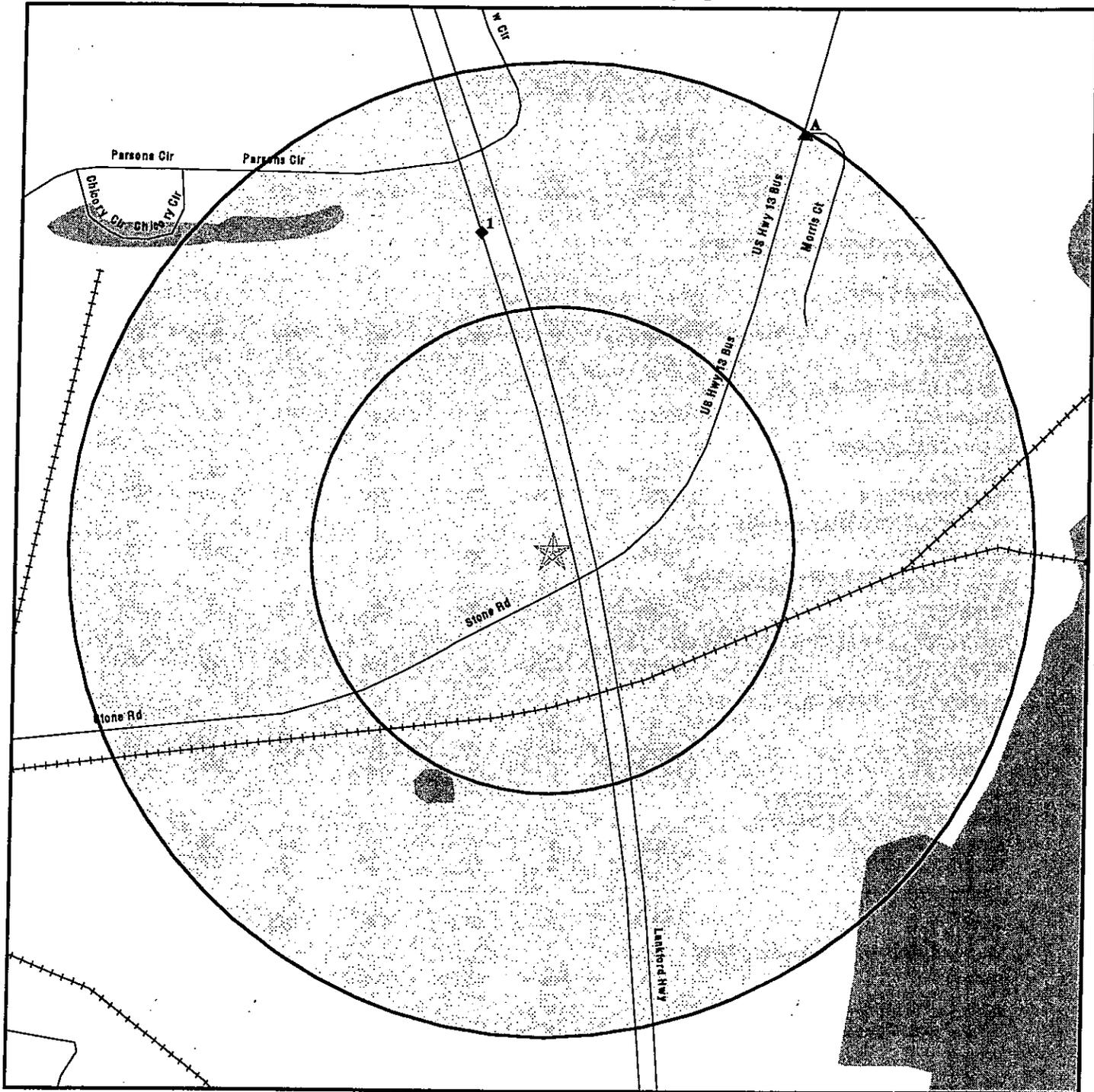
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▧ 500-year flood zone
- National Wetland Inventory



<p>SITE NAME: Cheiton and Cape Charles ADDRESS: By Pass 13 and Route 184 Cape Charles VA 23310 LAT/LONG: 37.2723 / 75.9756</p>	<p>CLIENT: Hurt & Proffitt, Inc. CONTACT: Tiffany Clifton INQUIRY #: 2798110.1s DATE: June 21, 2010 2:31 pm</p>
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DETAIL MAP - 2798110.1s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ▲ Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▧ 500-year flood zone
- National Wetland Inventory



<p>SITE NAME: Cheiton and Cape Charles ADDRESS: By Pass 13 and Route 184 Cape Charles VA 23310 LAT/LONG: 37.2723 / 75.9756</p>	<p>CLIENT: Hurt & Proffitt, Inc. CONTACT: Tiffany Clifton INQUIRY #: 2798110.1s DATE: June 21, 2010 2:31 pm</p>
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL		1.500	0	0	0	0	0	0
Proposed NPL		1.500	0	0	0	0	0	0
NPL LIENS		0.500	0	0	0	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.500	0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
CERCLIS		1.000	0	0	0	0	NR	0
FEDERAL FACILITY		1.500	0	0	0	0	0	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		1.000	0	0	0	0	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.500	0	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		1.000	0	0	0	0	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.750	0	0	0	0	NR	0
RCRA-SQG		0.750	0	0	0	0	NR	0
RCRA-CESQG		0.750	0	0	0	0	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		1.000	0	0	0	0	NR	0
US INST CONTROL		1.000	0	0	0	0	NR	0
<i>Federal ERNS list</i>								
ERNS		0.500	0	0	0	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS		N/A	N/A	N/A	N/A	N/A	N/A	N/A
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		1.000	0	0	0	0	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST		1.000	0	1	0	0	NR	1
LTANKS		1.000	0	1	0	0	NR	1
INDIAN LUST		1.000	0	0	0	0	NR	0
<i>State and tribal registered storage tank lists</i>								
UST		0.750	0	2	1	0	NR	3

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		0.750	0	1	1	0	NR	2
INDIAN UST		0.750	0	0	0	0	NR	0
FEMA UST		0.750	0	0	0	0	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS		1.000	0	0	0	0	NR	0
INST CONTROL		1.000	0	0	0	0	NR	0
State and tribal voluntary cleanup sites								
VCP		1.000	0	0	0	0	NR	0
INDIAN VCP		1.000	0	0	0	0	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		1.000	0	0	0	0	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		1.000	0	0	0	0	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		1.000	0	0	0	0	NR	0
DEBRIS REGION 9		1.000	0	0	0	0	NR	0
INDIAN ODI		1.000	0	0	0	0	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		0.500	0	0	0	NR	NR	0
US HIST CDL		0.500	0	0	0	NR	NR	0
Local Land Records								
LIENS 2		0.500	0	0	0	NR	NR	0
LUCIS		1.000	0	0	0	0	NR	0
Records of Emergency Release Reports								
HMIRS		0.500	0	0	0	NR	NR	0
SPILLS		0.500	0	0	0	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.750	0	0	0	0	NR	0
DOT OPS		0.500	0	0	0	NR	NR	0
DOD		1.500	0	0	0	0	0	0
FUDS		1.500	0	0	0	0	0	0
CONSENT		1.500	0	0	0	0	0	0
ROD		1.500	0	0	0	0	0	0
UMTRA		1.000	0	0	0	0	NR	0
MINES		0.750	0	0	0	0	NR	0
TRIS		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TSCA		0.500	0	0	0	NR	NR	0
FTTS		0.500	0	0	0	NR	NR	0
HIST FTTS		0.500	0	0	0	NR	NR	0
SSTS		0.500	0	0	0	NR	NR	0
ICIS		0.500	0	0	0	NR	NR	0
PADS		0.500	0	0	0	NR	NR	0
MLTS		0.500	0	0	0	NR	NR	0
RADINFO		0.500	0	0	0	NR	NR	0
FINDS		0.500	0	1	0	NR	NR	1
RAATS		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.750	0	0	0	0	NR	0
ENF		0.500	0	0	0	NR	NR	0
NPDES		0.500	0	0	0	NR	NR	0
AIRS		0.500	0	0	0	NR	NR	0
TIER 2		0.500	0	1	0	NR	NR	1
INDIAN RESERV		1.500	0	0	0	0	0	0
SCRD DRYCLEANERS		1.000	0	0	0	0	NR	0
COAL ASH		1.000	0	0	0	0	NR	0
COAL ASH DOE		0.500	0	0	0	NR	NR	0
COAL ASH EPA		1.000	0	0	0	0	NR	0
PCB TRANSFORMER		0.500	0	0	0	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.500	0	0	0	0	0	0	0
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

1
NNW
1/8-1/4
0.168 mi.
886 ft.

**E&C ENTERPRISES INC VA 609
23055 LANKFORD HWY
CAPE CHARLES, VA 23310**

**UST U003690710
N/A**

Relative:
Lower

UST:

Actual:
14 ft.

UST:

Facility Id: 5011056
Owner Id: 43340
Owner Name: P&E Inc
Owner Address: 12680 Darby Brooke Ct
Owner Address2: Not reported
Owner City, State, Zip: Woodbridge, VA 22192
UST Status: N/A
AST Status: N/A

Facility Id: 5011056
Owner Id: 36996
Owner Name: Bagwell Oil Company Inc
Owner Address: 33 Market St
Owner Address2: Not reported
Owner City, State, Zip: Onancock, VA 23417
UST Status: Not reported
AST Status: Not reported

Federally Regulated: Yes

Tank Number: 1
Tank Capacity: 12000
Tank Contents: GASOLINE
Tank Status: CURR IN USE
Tank Type: UST

Tank Material:

Tank Type: UST
Fac Id: 5011056
Own Id: 43340
Tank Number: 1
Install Date: 15-Jun-1999
Tank Status: CURR IN USE
Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite Y
Tank Materials: Double Walled N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N
Tank Materials: Other Note ACT-100

Release:

Tank Type: UST
Fac Id: 5011056

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Own Id: 43340
Tank Number: 1
Install Date: 15-Jun-1999
Tank Status: CURR IN USE
Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N
Tank Release Detection: Autogauge N
Tank Release Detection: Tank Tightness N
Tank Release Detection: Vapor Monitor N
Tank Release Detection: Inventory N
Tank Release Detection: Stat Invent Recon Y
Tank Release Detection: Spill Install Y
Tank Release Detection: Overfill Install Y
Tank Release Detection: Groundwater N
Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N
Tank Release Detection: Other Note Used groundwater until Jul 06
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak Y
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon Y
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N
Pipe Release Detection: Other Note shutoff valve

Pipe Material:

Tank Type: UST
Fac Id: 5011056
Own Id: 43340
Tank Number: 1
Install Date: 15-Jun-1999
Tank Status: CURR IN USE
Pipe Type: PRESSURE
Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment Y
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N
Pipe Materials: Other Note ENVIROFLEX

Tank Number: 2C
Tank Capacity: 6000
Tank Contents: GASOLINE
Tank Status: CURR IN USE
Tank Type: UST

Tank Material:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Tank Type: UST
Fac Id: 5011056
Own Id: 43340
Tank Number: 2C
Install Date: 15-Jun-1999
Tank Status: CURR IN USE
Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite Y
Tank Materials: Double Walled N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N
Tank Materials: Other Note ACT-100

Release:

Tank Type: UST
Fac Id: 5011056
Own Id: 43340
Tank Number: 2C
Install Date: 15-Jun-1999
Tank Status: CURR IN USE
Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N
Tank Release Detection: Autogauge N
Tank Release Detection: Tank Tightness N
Tank Release Detection: Vapor Monitor N
Tank Release Detection: Inventory N
Tank Release Detection: Stat Invent Recon Y
Tank Release Detection: Spill Install Y
Tank Release Detection: Overfill Install Y
Tank Release Detection: Groundwater N
Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N
Tank Release Detection: Other Note Used groundwater until Jul 06
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak Y
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon Y
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N
Pipe Release Detection: Other Note shutoff valve

Pipe Material:

Tank Type: UST
Fac Id: 5011056
Own Id: 43340

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Tank Number: 2C
Install Date: 15-Jun-1999
Tank Status: CURR IN USE
Pipe Type: PRESSURE
Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment Y
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N
Pipe Materials: Other Note ENVIROFLEX

Tank Number: 3C
Tank Capacity: 4000
Tank Contents: DIESEL
Tank Status: CURR IN USE
Tank Type: UST

Tank Material:
Tank Type: UST
Fac Id: 5011056
Own Id: 43340
Tank Number: 3C
Install Date: 15-Jun-1999
Tank Status: CURR IN USE
Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite Y
Tank Materials: Double Walled N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N
Tank Materials: Other Note ACT-100

Release:
Tank Type: UST
Fac Id: 5011056
Own Id: 43340
Tank Number: 3C
Install Date: 15-Jun-1999
Tank Status: CURR IN USE
Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N
Tank Release Detection: Autogauge N
Tank Release Detection: Tank Tightness N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Tank Release Detection: Vapor Monitor	N
Tank Release Detection: Inventory	N
Tank Release Detection: Stat Invent Recon	Y
Tank Release Detection: Spill Install	Y
Tank Release Detection: Overfill Install	Y
Tank Release Detection: Groundwater	N
Tank Release Det: Int Secondary Containment	N
Tank Release Detection: Int Double Walled	N
Tank Release Detection: Other Method	N
Tank Release Detection: Other Note	Used groundwater until Jul 06
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Y
Pipe Release Detection: Line Tightness	N
Pipe Release Detection: Stat Invent Recon	Y
Pipe Release Detection: Groundwater	N
Pipe Release Det: Int Secondary Containment	N
Pipe Release Det: Interior Double Walled	N
Pipe Release Detection: Other Method	N
Pipe Release Detection: Other Note	shutoff valve

Pipe Material:

Tank Type:	UST
Fac Id:	5011056
Own Id:	43340
Tank Number:	3C
Install Date:	15-Jun-1999
Tank Status:	CURR IN USE
Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	N
Pipe Materials: Galvanized Steel	N
Pipe Materials: Copper	N
Pipe Materials: Fiberglass	N
Pipe Materials: Cath Protect	N
Pipe Materials: Double Walled	N
Pipe Materials: Secondary Containment	Y
Pipe Materials: Repaired	N
Pipe Materials: Unknown	N
Pipe Materials: Other	N
Pipe Materials: Other Note	ENVIROFLEX

Tank Number:	4C
Tank Capacity:	2000
Tank Contents:	KEROSENE
Tank Status:	CURR IN USE
Tank Type:	UST

Tank Material:

Tank Type:	UST
Fac Id:	5011056
Own Id:	43340
Tank Number:	4C
Install Date:	15-Jun-1999
Tank Status:	CURR IN USE
Tank Materials: Bare Steel	N
Tank Materials: Cath Protect Steel	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Tank Materials: Epoxy Steel	N
Tank Materials: Fiberglass	N
Tank Materials: Concrete	N
Tank Materials: Composite	Y
Tank Materials: Double Walled	N
Tank Materials: Lined Interior	N
Tank Materials: Excav Liner	N
Tank Materials: Insulated Tank Jacket	N
Tank Materials: Repaired	N
Tank Materials: Unknown	N
Tank Materials: Other	N
Tank Materials: Other Note	ACT-100

Release:

Tank Type:	UST
Fac Id:	5011056
Own Id:	43340
Tank Number:	4C
Install Date:	15-Jun-1999
Tank Status:	CURR IN USE
Tank Release Detection: Leak Deferred	N
Tank Release Detection: Manual Gauge	N
Tank Release Detection: Autogauge	N
Tank Release Detection: Tank Tightness	N
Tank Release Detection: Vapor Monitor	N
Tank Release Detection: Inventory	N
Tank Release Detection: Stat Invent Recon	Y
Tank Release Detection: Spill Install	Y
Tank Release Detection: Overfill Install	Y
Tank Release Detection: Groundwater	N
Tank Release Det: Int Secondary Containment	N
Tank Release Detection: Int Double Walled	N
Tank Release Detection: Other Method	N
Tank Release Detection: Other Note	Used groundwater until Jul 06
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Y
Pipe Release Detection: Line Tightness	N
Pipe Release Detection: Stat Invent Recon	Y
Pipe Release Detection: Groundwater	N
Pipe Release Det: Int Secondary Containment	N
Pipe Release Det: Interior Double Walled	N
Pipe Release Detection: Other Method	N
Pipe Release Detection: Other Note	shutoff valve

Pipe Material:

Tank Type:	UST
Fac Id:	5011056
Own Id:	43340
Tank Number:	4C
Install Date:	15-Jun-1999
Tank Status:	CURR IN USE
Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	N
Pipe Materials: Galvanized Steel	N
Pipe Materials: Copper	N
Pipe Materials: Fiberglass	N

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Pipe Materials: Cath Protect N
 Pipe Materials: Double Walled N
 Pipe Materials: Secondary Containment Y
 Pipe Materials: Repaired N
 Pipe Materials: Unknown N
 Pipe Materials: Other N
 Pipe Materials: Other Note ENVIROFLEX

Tank Number: R1
 Tank Capacity: 4000
 Tank Contents: GASOLINE
 Tank Status: REM FROM GRD
 Tank Type: UST

Tank Material:
 Tank Type: UST
 Fac Id: 5011056
 Own Id: 36996
 Tank Number: R1
 Install Date: 29-Apr-1978
 Tank Status: REM FROM GRD
 Tank Materials: Bare Steel Y
 Tank Materials: Cath Protect Steel N
 Tank Materials: Epoxy Steel N
 Tank Materials: Fiberglass N
 Tank Materials: Concrete N
 Tank Materials: Composite N
 Tank Materials: Double Walled N
 Tank Materials: Lined Interior N
 Tank Materials: Excav Liner N
 Tank Materials: Insulated Tank Jacket N
 Tank Materials: Repaired N
 Tank Materials: Unknown N
 Tank Materials: Other N
 Tank Materials: Other Note Not reported

Release:
 Tank Type: UST
 Fac Id: 5011056
 Own Id: 36996
 Tank Number: R1
 Install Date: 29-Apr-1978
 Tank Status: REM FROM GRD
 Tank Release Detection: Leak Deferred N
 Tank Release Detection: Manual Gauge N
 Tank Release Detection: Autogauge N
 Tank Release Detection: Tank Tightness N
 Tank Release Detection: Vapor Monitor N
 Tank Release Detection: Inventory N
 Tank Release Detection: Stat Invent Recon N
 Tank Release Detection: Spill Install N
 Tank Release Detection: Overfill Install N
 Tank Release Detection: Groundwater Y
 Tank Release Det: Int Secondary Containment N
 Tank Release Detection: Int Double Walled N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Tank Release Detection: Other Method N
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N
Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R1
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Pipe Type: NO VALVE: SUCTION
Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel Y
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N
Pipe Materials: Other Note Not reported

Tank Number: R2
Tank Capacity: 4000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R2
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Tank Materials: Bare Steel Y
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite N
Tank Materials: Double Walled N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N
Tank Materials: Other Note Not reported

Release:

Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R2
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N
Tank Release Detection: Autogauge N
Tank Release Detection: Tank Tightness N
Tank Release Detection: Vapor Monitor N
Tank Release Detection: Inventory N
Tank Release Detection: Stat Invent Recon N
Tank Release Detection: Spill Install N
Tank Release Detection: Overfill Install N
Tank Release Detection: Groundwater Y
Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N
Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R2
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Pipe Type: NO VALVE: SUCTION
Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel Y
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N
Pipe Materials: Other Note Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Tank Number:	R3
Tank Capacity:	4000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Tank Type:	UST
Fac Id:	5011056
Own Id:	36996
Tank Number:	R3
Install Date:	29-Apr-1978
Tank Status:	REM FROM GRD
Tank Materials: Bare Steel	Y
Tank Materials: Cath Protect Steel	N
Tank Materials: Epoxy Steel	N
Tank Materials: Fiberglass	N
Tank Materials: Concrete	N
Tank Materials: Composite	N
Tank Materials: Double Walled	N
Tank Materials: Lined Interior	N
Tank Materials: Excav Liner	N
Tank Materials: Insulated Tank Jacket	N
Tank Materials: Repaired	N
Tank Materials: Unknown	N
Tank Materials: Other	N
Tank Materials: Other Note	Not reported
Release:	
Tank Type:	UST
Fac Id:	5011056
Own Id:	36996
Tank Number:	R3
Install Date:	29-Apr-1978
Tank Status:	REM FROM GRD
Tank Release Detection: Leak Deferred	N
Tank Release Detection: Manual Gauge	N
Tank Release Detection: Autogauge	N
Tank Release Detection: Tank Tightness	N
Tank Release Detection: Vapor Monitor	N
Tank Release Detection: Inventory	N
Tank Release Detection: Stat Invent Recon	N
Tank Release Detection: Spill Install	N
Tank Release Detection: Overfill Install	N
Tank Release Detection: Groundwater	Y
Tank Release Det: Int Secondary Containment	N
Tank Release Detection: Int Double Walled	N
Tank Release Detection: Other Method	N
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	N
Pipe Release Detection: Line Tightness	N
Pipe Release Detection: Stat Invent Recon	N
Pipe Release Detection: Groundwater	N
Pipe Release Det: Int Secondary Containment	N
Pipe Release Det: Interior Double Walled	N
Pipe Release Detection: Other Method	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R3
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Pipe Type: NO VALVE: SUCTION
Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel Y
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N
Pipe Materials: Other Note Not reported

Tank Number: R4
Tank Capacity: 2000
Tank Contents: DIESEL
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R4
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Tank Materials: Bare Steel Y
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite N
Tank Materials: Double Walled N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N
Tank Materials: Other Note Not reported

Release:

Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

- Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N
Tank Release Detection: Autogauge N
Tank Release Detection: Tank Tightness N
Tank Release Detection: Vapor Monitor N
Tank Release Detection: Inventory N
Tank Release Detection: Stat Invent Recon N
Tank Release Detection: Spill Install N
Tank Release Detection: Overfill Install N
Tank Release Detection: Groundwater Y
Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N
Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R4
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Pipe Type: NO VALVE: SUCTION
Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel Y
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N
Pipe Materials: Other Note Not reported

Tank Number: R5
Tank Capacity: 550
Tank Contents: KEROSENE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Tank Type: UST
Fac Id: 5011056

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Own Id: 36996
Tank Number: R5
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Tank Materials: Bare Steel Y
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite N
Tank Materials: Double Walled N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N
Tank Materials: Other Note Not reported

Release:

Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R5
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N
Tank Release Detection: Autogauge N
Tank Release Detection: Tank Tightness N
Tank Release Detection: Vapor Monitor N
Tank Release Detection: Inventory N
Tank Release Detection: Stat Invent Recon N
Tank Release Detection: Spill Install N
Tank Release Detection: Overfill Install N
Tank Release Detection: Groundwater N
Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N
Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R5
Install Date: 29-Apr-1978

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Tank Status: REM FROM GRD
Pipe Type: UNKNOWN
Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel Y
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N
Pipe Materials: Other Note Not reported

Tank Number: R6
Tank Capacity: 3000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:
Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R6
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Tank Materials: Bare Steel Y
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite N
Tank Materials: Double Walled N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N
Tank Materials: Other Note Not reported

Release:
Tank Type: UST
Fac Id: 5011056
Own Id: 36996
Tank Number: R6
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N
Tank Release Detection: Autogauge N
Tank Release Detection: Tank Tightness N
Tank Release Detection: Vapor Monitor N
Tank Release Detection: Inventory N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

E&C ENTERPRISES INC VA 609 (Continued)

U003690710

Tank Release Detection: Stat Invent Recon N
Tank Release Detection: Spill Install N
Tank Release Detection: Overfill Install N
Tank Release Detection: Groundwater Y
Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N
Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST
Fac Id: 5011056
Own id: 36996
Tank Number: R6
Install Date: 29-Apr-1978
Tank Status: REM FROM GRD
Pipe Type: NO VALVE: SUCTION
Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel Y
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N
Pipe Materials: Other Note Not reported

A2 BAYVIEW PEAKING PLANT
NNE RT 684
1/8-1/4 BAYVIEW, VA 23310
0.249 ml.
1312 ft. Site 1 of 4 in cluster A

LUST U003692767
LTANKS N/A

Relative:
Higher

LUST REG TD:

Region: TD
Region Code: TRO
Facility ID: 20000064111
Facility Status: Closed
Completed Date: 17-Jun-1993
Pollution Complaint Num: 19932510
Fed Regulated Tank: No
Phase Code: RR
Event Description: Release Reported
Comments: PRODUCT NOTED IN GRAVEL SURROUNDING EMERGENCY GENERATOR UNITS.

Actual:
17 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

BAYVIEW PEAKING PLANT (Continued)

U003692767

Region: TD
Region Code: TRO
Facility ID: 200000064111
Facility Status: Closed
Completed Date: 13-Sep-1993
Pollution Complaint Num: 19932510
Fed Regulated Tank: No
Phase Code: CLOSURE
Event Description: Case Closure Date - Letter Sent
Comments: CASE CLOSED-NO FURTHER ACTION REQUIRED.

LTANKS:

CEDS Facility Id: 200000064111
Case Status: Closed
Pollution Complaint #: 19932510
Reported: 17-Jun-1993

**A3
NNE
1/8-1/4
0.249 mi.
1312 ft.**

**CONECTIV DELMARVA GENERATION INC - BAYVIEW
22872 BAYVIEW CIRCLE
CAPE CHARLES, VA 23310**

**FINDS 1004607297
N/A**

Site 2 of 4 in cluster A

**Relative:
Higher**

FINDS:

Registry ID: 110001890810

**Actual:
17 ft.**

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

CEDS (Virginia - Comprehensive Environmental Data System) is the Department of Environmental Quality's (DEQ) electronic data system for maintaining databases on sources of pollutants in all media.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

A4
NNE
1/8-1/4
0.249 mi.
1312 ft.

BAYVIEW PEAKING UNIT
RT 684
BAYVIEW, VA 23310
Site 3 of 4 in cluster A

UST U003988743
AST N/A

Relative:
Higher

UST:
UST:

Actual:
17 ft.

Facility Id: 5026776
Owner Id: 40102
Owner Name: Conectiv Delmarva Generation
Owner Address: PO Box 6066
Owner Address2: Not reported
Owner City, State, Zip: Newark, DE 19714
UST Status: Not reported
AST Status: Reg

Facility Id: 5026776
Owner Id: 31454
Owner Name: DELMARVA POWER & LIGHT COMPANY
Owner Address: 800 KING STREET
Owner Address2: Not reported
Owner City, State, Zip: WILMINGTON, DE 19899
UST Status: Not reported
AST Status: Not reported

Federally Regulated: No

Tank Number: 1
Tank Capacity: 300
Tank Contents: HEATING OIL
Tank Status: CURR IN USE
Tank Type: UST

Tank Material:

Tank Type: UST
Fac Id: 5026776
Own Id: 31454
Tank Number: 1
Install Date: Not reported
Tank Status: CURR IN USE
Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite N
Tank Materials: Double Walled N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown Y
Tank Materials: Other N
Tank Materials: Other Note Not reported

Release:

Tank Type: UST
Fac Id: 5026776

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAYVIEW PEAKING UNIT (Continued)

U003988743

Own Id: 31454
Tank Number: 1
Install Date: Not reported
Tank Status: CURR IN USE
Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N
Tank Release Detection: Autogauge N
Tank Release Detection: Tank Tightness N
Tank Release Detection: Vapor Monitor N
Tank Release Detection: Inventory N
Tank Release Detection: Stat Invent Recon N
Tank Release Detection: Spill Install N
Tank Release Detection: Overfill Install N
Tank Release Detection: Groundwater N
Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N
Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST
Fac Id: 5026776
Own Id: 31454
Tank Number: 1
Install Date: Not reported
Tank Status: CURR IN USE
Pipe Type: UNKNOWN
Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown Y
Pipe Materials: Other N
Pipe Materials: Other Note Not reported

AST:

Facility ID: 5026776
Tank Number: 1
Fed Regulated: No
Tank Capacity: 50000
Tank Contents: FUEL OIL
Tank Status: CURR IN USE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BAYVIEW PEAKING UNIT (Continued)

U003988743

Tank Type: AST
CEDS Facility ID: 200000064111
Facility Address 2: Not reported
Facility Type: INDUSTRIAL

AST:

Facility Id: 5026776
Owner Id: 31454
Owner Name: DELMARVA POWER & LIGHT COMPANY
Owner Address: 800 KING STREET
Owner Address2: Not reported
Owner City: WILMINGTON
Owner State: DE
Owner Zip: 19899
Ust Status: Not reported
Ast Status: Not reported

Facility Id: 5026776
Owner Id: 40102
Owner Name: Conectiv Delmarva Generation
Owner Address: PO Box 6066
Owner Address2: Not reported
Owner City: Newark
Owner State: DE
Owner Zip: 19714
Ust Status: Not reported
Ast Status: Reg

Tank Containment:

Tank Type: AST
Fac Id: 5026776
Own Id: 40102
Tank Number: 1
Install Date: 19-Feb-1963
Tank Status: CURR IN USE
Containment: Curbing N
Containment: Weirs N
Containment: Sorbent Y
Containment: Culvert N
Containment: Diversion N
Containment: Retention N
Containment: Dike Y
Containment: Unknown N
Containment: Other N
Containment: Other Note Not reported
Release Detection: Ground Water Y
Release Detection: Visual N
Release Detection: Vapor N
Release Detection: Interstitial N
Release Detection: None N
Release Detection: Other N
Release Detection: Other Note Not reported
Release Prevention: Double Bottom N
Release Prevention: Double Walled N
Release Prevention: Lined Interior N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAYVIEW PEAKING UNIT (Continued)

U003988743

Release Prevention: Poly Jacket N
Release Prevention: Exc Liner Y
Release Prevention: None N
Release Prevention: Unknown N
Release Prevention: Other N
Release Prevention: Other Note Not reported

Tank Foundation:

Tank Type: AST
Fac Id: 5026776
Own Id: 40102
Tank Number: 1
Install Date: 19-Feb-1963
Tank Status: CURR IN USE
Tank Foundation: Steel N
Tank Foundation: Earthen Y
Tank Foundation: Concrete imp N
Tank Foundation: Unknown N
Tank Foundation: Other N
Tank Foundation: Other Note Not reported
Tank Roof: Float N
Tank Roof: Cone N
Tank Roof: Breather N
Tank Roof: Dbldeck N
Tank Roof: Pontoon N
Tank Roof: Balloon N
Tank Roof: Lifter N
Tank Roof: Pan N
Tank Roof: Other Y
Tank Roof: Other Note Lap-Welded Cone

Tank Material:

Tank Type: AST
Fac Id: 5026776
Own Id: 40102
Tank Number: 1
Install Date: 19-Feb-1963
Tank Status: CURR IN USE
Tank Materials: Bare Steel Y
Tank Materials: Cath Protect Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Epoxy Coated Interior N
Tank Materials: Epoxy Coated Exterior N
Tank Materials: Double Walled N
Tank Materials: Double Bottomed N
Tank Materials: Unknown N
Tank Materials: Other N
Tank Materials: Other Note Not reported

Facility ID: 5026776

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAYVIEW PEAKING UNIT (Continued)

U003988743

Tank Number: 2
Fed Regulated: No
Tank Capacity: 50000
Tank Contents: FUEL OIL
Tank Status: CURR IN USE
Tank Type: AST

Tank Containment:

Tank Type: AST
Fac Id: 5026776
Own Id: 40102
Tank Number: 2
Install Date: 16-Jan-1968
Tank Status: CURR IN USE
Containment: Curbing N
Containment: Weirs N
Containment: Sorbent Y
Containment: Culvert N
Containment: Diversion N
Containment: Retention N
Containment: Dike N
Containment: Unknown N
Containment: Other N
Containment: Other Note Not reported
Release Detection: Ground Water Y
Release Detection: Visual N
Release Detection: Vapor N
Release Detection: Interstitial N
Release Detection: None N
Release Detection: Other N
Release Detection: Other Note Not reported
Release Prevention: Double Bottom N
Release Prevention: Double Walled N
Release Prevention: Lined Interior N
Release Prevention: Poly Jacket N
Release Prevention: Exc Liner Y
Release Prevention: None N
Release Prevention: Unknown N
Release Prevention: Other N
Release Prevention: Other Note Not reported

Tank Foundation:

Tank Type: AST
Fac Id: 5026776
Own Id: 40102
Tank Number: 2
Install Date: 16-Jan-1968
Tank Status: CURR IN USE
Tank Foundation: Steel N
Tank Foundation: Earthen Y
Tank Foundation: Concrete Imp N
Tank Foundation: Unknown N
Tank Foundation: Other N
Tank Foundation: Other Note Not reported
Tank Roof: Float N
Tank Roof: Cone N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAYVIEW PEAKING UNIT (Continued)

U003988743

Tank Roof: Breather N
Tank Roof: Dbldeck N
Tank Roof: Pontoon N
Tank Roof: Balloon N
Tank Roof: Lifter N
Tank Roof: Pan N
Tank Roof: Other Y
Tank Roof: Other Note Lap-Welded Cone

Tank Material:

Tank Type: AST
Fac Id: 5026776
Own Id: 40102
Tank Number: 2
Install Date: 16-Jan-1968
Tank Status: CURR IN USE
Tank Materials: Bare Steel Y
Tank Materials: Cath Protect Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Epoxy Coated Interior N
Tank Materials: Epoxy Coated Exterior N
Tank Materials: Double Walled N
Tank Materials: Double Bottomed N
Tank Materials: Unknown N
Tank Materials: Other N
Tank Materials: Other Note Not reported

A5
NNE
1/8-1/4
0.249 mi.
1312 ft.

BAYVIEW PEAKING STATION
22872 BAYVIEW CIRCLE
CAPE CHARLES, VA 23310

TIER 2 S110068265
N/A

Site 4 of 4 in cluster A

Relative:
Higher

Actual:
17 ft.

TIER 2:

CAS Number: 68476-34-6
SIC Code: 221112
Entered Chemical Name: DIESEL FUEL OIL #2
Average Amt Code: 5
Owner Name: Conectiv Delmarva Generation
Owner Phone: 856-327-6884

CAS Number: 107-21-1
SIC Code: 221112
Entered Chemical Name: ETHYLENE GLYCOL
Average Amt Code: 4
Owner Name: Conectiv Delmarva Generation
Owner Phone: 856-327-6884

CAS Number: 7664-93-9
SIC Code: 221112
Entered Chemical Name: Lead Acid Batteries

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BAYVIEW PEAKING STATION (Continued)

S110068265

Average Amt Code: 3
 Owner Name: Conectiv Delmarva Generation
 Owner Phone: 856-327-6884

 CAS Number: Not reported
 SIC Code: 221112
 Entered Chemical Name: Shell Caprinus Lube Oil
 Average Amt Code: 4
 Owner Name: Conectiv Delmarva Generation
 Owner Phone: 856-327-6884

6
WSW
1/4-1/2
0.303 mi.
1602 ft.

FORMER PURE OIL STATION
3225 STONE RD
CAPE CHARLES, VA 23419

UST U003799204
N/A

Relative:
Higher

UST:
UST:

Actual:
17 ft.

Facility Id: 5037970
 Owner Id: 39942
 Owner Name: Holding LLC
 Owner Address: P O Box 888
 Owner Address2: Not reported
 Owner City, State, Zip: Accomac, VA 23301
 UST Status: Not reported
 AST Status: Not reported

Federally Regulated: No

Tank Number: R1
 Tank Capacity: 500
 Tank Contents: GASOLINE
 Tank Status: REM FROM GRD
 Tank Type: UST

Tank Material:
 Tank Type: UST
 Fac Id: 5037970
 Own Id: 39942
 Tank Number: R1
 Install Date: 01-Jan-1950
 Tank Status: REM FROM GRD
 Tank Materials: Bare Steel N
 Tank Materials: Cath Protect Steel N
 Tank Materials: Epoxy Steel N
 Tank Materials: Fiberglass N
 Tank Materials: Concrete N
 Tank Materials: Composite N
 Tank Materials: Double Walled N
 Tank Materials: Lined Interior N
 Tank Materials: Excav Liner N
 Tank Materials: Insulated Tank Jacket N
 Tank Materials: Repaired N
 Tank Materials: Unknown N
 Tank Materials: Other N
 Tank Materials: Other Note Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER PURE OIL STATION (Continued)

U003799204

Release:

Tank Type: UST
Fac Id: 5037970
Own Id: 39942
Tank Number: R1
Install Date: 01-Jan-1950
Tank Status: REM FROM GRD
Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N
Tank Release Detection: Autogauge N
Tank Release Detection: Tank Tightness N
Tank Release Detection: Vapor Monitor N
Tank Release Detection: Inventory N
Tank Release Detection: Stat Invent Recon N
Tank Release Detection: Spill Install N
Tank Release Detection: Overfill Install N
Tank Release Detection: Groundwater N
Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N
Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST
Fac Id: 5037970
Own Id: 39942
Tank Number: R1
Install Date: 01-Jan-1950
Tank Status: REM FROM GRD
Pipe Type: Not reported
Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N
Pipe Materials: Other Note Not reported

Tank Number: R2
Tank Capacity: 500
Tank Contents: GASOLINE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

FORMER PURE OIL STATION (Continued)

U003799204

Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Tank Type:	UST
Fac Id:	5037970
Own Id:	39942
Tank Number:	R2
Install Date:	01-Jan-1950
Tank Status:	REM FROM GRD
Tank Materials: Bare Steel	N
Tank Materials: Cath Protect Steel	N
Tank Materials: Epoxy Steel	N
Tank Materials: Fiberglass	N
Tank Materials: Concrete	N
Tank Materials: Composite	N
Tank Materials: Double Walled	N
Tank Materials: Lined Interior	N
Tank Materials: Excav Liner	N
Tank Materials: Insulated Tank Jacket	N
Tank Materials: Repaired	N
Tank Materials: Unknown	N
Tank Materials: Other	N
Tank Materials: Other Note	Not reported
Release:	
Tank Type:	UST
Fac Id:	5037970
Own Id:	39942
Tank Number:	R2
Install Date:	01-Jan-1950
Tank Status:	REM FROM GRD
Tank Release Detection: Leak Deferred	N
Tank Release Detection: Manual Gauge	N
Tank Release Detection: Autogauge	N
Tank Release Detection: Tank Tightness	N
Tank Release Detection: Vapor Monitor	N
Tank Release Detection: Inventory	N
Tank Release Detection: Stat Invent Recon	N
Tank Release Detection: Spill Install	N
Tank Release Detection: Overfill Install	N
Tank Release Detection: Groundwater	N
Tank Release Det: Int Secondary Containment	N
Tank Release Detection: Int Double Walled	N
Tank Release Detection: Other Method	N
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	N
Pipe Release Detection: Line Tightness	N
Pipe Release Detection: Stat Invent Recon	N
Pipe Release Detection: Groundwater	N
Pipe Release Det: Int Secondary Containment	N
Pipe Release Det: Interior Double Walled	N
Pipe Release Detection: Other Method	N
Pipe Release Detection: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)
EDR ID Number
EPA ID Number

FORMER PURE OIL STATION (Continued)

U003799204

Pipe Material:
Tank Type: UST
Fac Id: 5037970
Own Id: 39942
Tank Number: R2
Install Date: 01-Jan-1950
Tank Status: REM FROM GRD
Pipe Type: Not reported
Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N
Pipe Materials: Other Note Not reported

Tank Number: R3
Tank Capacity: 500
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:
Tank Type: UST
Fac Id: 5037970
Own Id: 39942
Tank Number: R3
Install Date: 01-Jan-1950
Tank Status: REM FROM GRD
Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite N
Tank Materials: Double Walled N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N
Tank Materials: Other Note Not reported

Release:
Tank Type: UST
Fac Id: 5037970
Own Id: 39942
Tank Number: R3
Install Date: 01-Jan-1950
Tank Status: REM FROM GRD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER PURE OIL STATION (Continued)

U003799204

Tank Release Detection: Leak Deferred	N
Tank Release Detection: Manual Gauge	N
Tank Release Detection: Autogauge	N
Tank Release Detection: Tank Tightness	N
Tank Release Detection: Vapor Monitor	N
Tank Release Detection: Inventory	N
Tank Release Detection: Stat Invent Recon	N
Tank Release Detection: Spill Install	N
Tank Release Detection: Overfill Install	N
Tank Release Detection: Groundwater	N
Tank Release Det: Int Secondary Containment	N
Tank Release Detection: Int Double Walled	N
Tank Release Detection: Other Method	N
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	N
Pipe Release Detection: Line Tightness	N
Pipe Release Detection: Stat Invent Recon	N
Pipe Release Detection: Groundwater	N
Pipe Release Det: Int Secondary Containment	N
Pipe Release Det: Interior Double Walled	N
Pipe Release Detection: Other Method	N
Pipe Release Detection: Other Note	Not reported

Pipe Material:

Tank Type:	UST
Fac Id:	5037970
Own Id:	39942
Tank Number:	R3
Install Date:	01-Jan-1950
Tank Status:	REM FROM GRD
Pipe Type:	Not reported
Pipe Materials: Bare Steel	N
Pipe Materials: Galvanized Steel	N
Pipe Materials: Copper	N
Pipe Materials: Fiberglass	N
Pipe Materials: Cath Protect	N
Pipe Materials: Double Walled	N
Pipe Materials: Secondary Containment	N
Pipe Materials: Repaired	N
Pipe Materials: Unknown	N
Pipe Materials: Other	N
Pipe Materials: Other Note	Not reported

7
West
1/4-1/2
0.330 mi.
1741 ft.

BAGWELL OIL COMPANY INCORPORATED
22455 PARSONS CIR
CAPE CHARLES, VA 23310

AST A100213156
N/A

Relative:
Higher

Actual:
16 ft.

AST:
Facility ID: 5038727
Tank Number: 1
Fed Regulated: No
Tank Capacity: 29000
Tank Contents: KEROSENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAGWELL OIL COMPANY INCORPORATED (Continued)

A100213156

Tank Status: CURR IN USE
Tank Type: AST

CEDS Facility ID: 200000208843
Facility Address 2: Not reported
Facility Type: BULK STORAGE

Tank Containment:

Tank Type: AST
Fac Id: 5038727
Own Id: 36996
Tank Number: 1
Install Date: Not reported
Tank Status: CURR IN USE
Containment: Curbing N
Containment: Weirs N
Containment: Sorbent N
Containment: Culvert N
Containment: Diversion N
Containment: Retention N
Containment: Dike Y
Containment: Unknown N
Containment: Other N
Containment: Other Note Not reported
Release Detection: Ground Water N
Release Detection: Visual Y
Release Detection: Vapor N
Release Detection: Interstitial N
Release Detection: None N
Release Detection: Other N
Release Detection: Other Note need to install additional Id
Release Prevention: Double Bottom N
Release Prevention: Double Walled N
Release Prevention: Lined Interior N
Release Prevention: Poly Jacket N
Release Prevention: Exc Liner N
Release Prevention: None Y
Release Prevention: Unknown N
Release Prevention: Other N
Release Prevention: Other Note Not reported

Tank Foundation:

Tank Type: AST
Fac Id: 5038727
Own Id: 36996
Tank Number: 1
Install Date: Not reported
Tank Status: CURR IN USE
Tank Foundation: Steel N
Tank Foundation: Earthen N
Tank Foundation: Concrete Imp N
Tank Foundation: Unknown N
Tank Foundation: Other N
Tank Foundation: Other Note concrete
Tank Roof: Float N
Tank Roof: Cone N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Database(s)
EPA ID Number
EDR ID Number

BAGWELL OIL COMPANY INCORPORATED (Continued)

A100213156

Tank Roof: Breather N
Tank Roof: Dbldck N
Tank Roof: Pontoon N
Tank Roof: Balloon N
Tank Roof: Lifter N
Tank Roof: Pan N
Tank Roof: Other N
Tank Roof: Other Note Not reported

Tank Material:

Tank Type: AST
Fac Id: 5038727
Own Id: 36996
Tank Number: 1
Install Date: Not reported
Tank Status: CURR IN USE
Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Epoxy Coated Interior N
Tank Materials: Epoxy Coated Exterior N
Tank Materials: Double Walled N
Tank Materials: Double Bottomed N
Tank Materials: Unknown Y
Tank Materials: Other N
Tank Materials: Other Note Not reported

Facility ID: 5038727
Tank Number: 2
Fed Regulated: No
Tank Capacity: 29000
Tank Contents: FUEL OIL
Tank Status: CURR IN USE
Tank Type: AST

Tank Containment:

Tank Type: AST
Fac Id: 5038727
Own Id: 36996
Tank Number: 2
Install Date: Not reported
Tank Status: CURR IN USE
Containment: Curbing N
Containment: Weirs N
Containment: Sorbent N
Containment: Culvert N
Containment: Diversion N
Containment: Retention N
Containment: Dike Y
Containment: Unknown N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAGWELL OIL COMPANY INCORPORATED (Continued)

A100213156

Containment: Other N
Containment: Other Note Not reported
Release Detection: Ground Water N
Release Detection: Visual Y
Release Detection: Vapor N
Release Detection: Interstitial N
Release Detection: None N
Release Detection: Other N
Release Detection: Other Note need additional Id
Release Prevention: Double Bottom N
Release Prevention: Double Walled N
Release Prevention: Lined Interior N
Release Prevention: Poly Jacket N
Release Prevention: Exc Liner N
Release Prevention: None Y
Release Prevention: Unknown N
Release Prevention: Other N
Release Prevention: Other Note Not reported

Tank Foundation:

Tank Type: AST
Fac Id: 5038727
Own Id: 36996
Tank Number: 2
Install Date: Not reported
Tank Status: CURR IN USE
Tank Foundation: Steel N
Tank Foundation: Earthen N
Tank Foundation: Concrete Imp N
Tank Foundation: Unknown N
Tank Foundation: Other N
Tank Foundation: Other Note concrete
Tank Roof: Float N
Tank Roof: Cone N
Tank Roof: Breather N
Tank Roof: Dbldeck N
Tank Roof: Pontoon N
Tank Roof: Balloon N
Tank Roof: Lifter N
Tank Roof: Pan N
Tank Roof: Other N
Tank Roof: Other Note Not reported

Tank Material:

Tank Type: AST
Fac Id: 5038727
Own Id: 36996
Tank Number: 2
Install Date: Not reported
Tank Status: CURR IN USE
Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite N
Tank Materials: Insulated Tank Jacket N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAGWELL OIL COMPANY INCORPORATED (Continued)

A100213156

Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Epoxy Coated Interior N
Tank Materials: Epoxy Coated Exterior N
Tank Materials: Double Walled N
Tank Materials: Double Bottomed N
Tank Materials: Unknown Y
Tank Materials: Other N
Tank Materials: Other Note Not reported

Facility ID: 5038727
Tank Number: 3
Fed Regulated: No
Tank Capacity: 20000
Tank Contents: GASOLINE
Tank Status: CURR IN USE
Tank Type: AST

Tank Containment:

Tank Type: AST
Fac Id: 5038727
Own Id: 36996
Tank Number: 3
Install Date: Not reported
Tank Status: CURR IN USE
Containment: Curbing N
Containment: Weirs N
Containment: Sorbent N
Containment: Culvert N
Containment: Diversion N
Containment: Retention N
Containment: Dike Y
Containment: Unknown N
Containment: Other N
Containment: Other Note Not reported
Release Detection: Ground Water N
Release Detection: Visual Y
Release Detection: Vapor N
Release Detection: Interstitial N
Release Detection: None N
Release Detection: Other N
Release Detection: Other Note need additional Id
Release Prevention: Double Bottom N
Release Prevention: Double Walled N
Release Prevention: Lined Interior N
Release Prevention: Poly Jacket N
Release Prevention: Exc Liner N
Release Prevention: None Y
Release Prevention: Unknown N
Release Prevention: Other N
Release Prevention: Other Note Not reported

Tank Foundation:

Tank Type: AST
Fac Id: 5038727

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

BAGWELL OIL COMPANY INCORPORATED (Continued)

A100213156

Own Id: 36996
Tank Number: 3
Install Date: Not reported
Tank Status: CURR IN USE
Tank Foundation: Steel N
Tank Foundation: Earthen N
Tank Foundation: Concrete Imp N
Tank Foundation: Unknown Y
Tank Foundation: Other N
Tank Foundation: Other Note concrete
Tank Roof: Float N
Tank Roof: Cone N
Tank Roof: Breather N
Tank Roof: Dbideck N
Tank Roof: Pontoon N
Tank Roof: Balloon N
Tank Roof: Lifter N
Tank Roof: Pan N
Tank Roof: Other N
Tank Roof: Other Note Not reported

Tank Material:

Tank Type: AST
Fac Id: 5038727
Own Id: 36996
Tank Number: 3
Install Date: Not reported
Tank Status: CURR IN USE
Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N
Tank Materials: Composite N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Epoxy Coated Interior N
Tank Materials: Epoxy Coated Exterior N
Tank Materials: Double Walled N
Tank Materials: Double Bottomed N
Tank Materials: Unknown Y
Tank Materials: Other N
Tank Materials: Other Note Not reported

Facility ID: 5038727
Tank Number: 4
Fed Regulated: No
Tank Capacity: 20000
Tank Contents: GASOLINE
Tank Status: CURR IN USE
Tank Type: AST

Tank Containment:

Tank Type: AST
Fac Id: 5038727

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

BAGWELL OIL COMPANY INCORPORATED (Continued)

A100213156

Own Id:	36996
Tank Number:	4
Install Date:	Not reported
Tank Status:	CURR IN USE
Containment: Curbing	N
Containment: Weirs	N
Containment: Sorbent	N
Containment: Culvert	N
Containment: Diversion	N
Containment: Retention	N
Containment: Dike	Y
Containment: Unknown	N
Containment: Other	N
Containment: Other Note	Not reported
Release Detection: Ground Water	N
Release Detection: Visual	Y
Release Detection: Vapor	N
Release Detection: Interstitial	N
Release Detection: None	N
Release Detection: Other	N
Release Detection: Other Note	need additional Id
Release Prevention: Double Bottom	N
Release Prevention: Double Walled	N
Release Prevention: Lined Interior	N
Release Prevention: Poly Jacket	N
Release Prevention: Exc Liner	N
Release Prevention: None	N
Release Prevention: Unknown	Y
Release Prevention: Other	N
Release Prevention: Other Note	Not reported

Tank Foundation:

Tank Type:	AST
Fac Id:	5038727
Own Id:	36996
Tank Number:	4
Install Date:	Not reported
Tank Status:	CURR IN USE
Tank Foundation: Steel	N
Tank Foundation: Earthen	N
Tank Foundation: Concrete Imp	N
Tank Foundation: Unknown	Y
Tank Foundation: Other	N
Tank Foundation: Other Note	concrete
Tank Roof: Float	N
Tank Roof: Cone	N
Tank Roof: Breather	N
Tank Roof: Dbideck	N
Tank Roof: Pontoon	N
Tank Roof: Balloon	N
Tank Roof: Lifter	N
Tank Roof: Pan	N
Tank Roof: Other	N
Tank Roof: Other Note	Not reported

Tank Material:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAGWELL OIL COMPANY INCORPORATED (Continued)

A100213156

Tank Type:	AST
Fac Id:	5038727
Own Id:	36996
Tank Number:	4
Install Date:	Not reported
Tank Status:	CURR IN USE
Tank Materials: Bare Steel	N
Tank Materials: Cath Protect Steel	N
Tank Materials: Fiberglass	N
Tank Materials: Concrete	N
Tank Materials: Composite	N
Tank Materials: Insulated Tank Jacket	N
Tank Materials: Lined Interior	N
Tank Materials: Excav Liner	N
Tank Materials: Epoxy Coated Interior	N
Tank Materials: Epoxy Coated Exterior	N
Tank Materials: Double Walled	N
Tank Materials: Double Bottomed	N
Tank Materials: Unknown	Y
Tank Materials: Other	N
Tank Materials: Other Note	Not reported