



Phase I Environmental Site Assessment  
Bald Head Island Ferry Terminal  
Southport, Brunswick County, North Carolina  
S&ME Project No. 4305-19-004

**PREPARED FOR:**

**Bald Head Island Transportation Authority  
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**PREPARED BY:**

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**February 14, 2019**



February 14, 2019

Bald Head Island Transportation Authority  
c/o McGuire Woods, LLP  
300 North Third Street, Suite 320  
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Attention: Ms. Susan Rabon, Chair

via email: [susanrabon@gmail.com](mailto:susanrabon@gmail.com)

Reference: **Phase I Environmental Site Assessment**  
**Bald Head Island Ferry Terminal**  
Southport, Brunswick County, North Carolina  
S&ME Project No. 4305-19-004

Dear Ms. Rabon:

S&ME, Inc. has completed a Phase I Environmental Site Assessment (ESA) for the referenced property (i.e. the subject property). The attached report presents the findings of the Phase I ESA, which was performed in accordance with ASTM E1527-13 and S&ME Proposal No. 43-1800970, dated December 14, 2018. The purpose of the Phase I ESA was to identify, to the extent feasible, *recognized environmental conditions* in connection with the property.

ASTM E 1527-13 states that an Environmental Site Assessment "meeting or exceeding" this practice and completed less than 180 days prior to the date of acquisition or intended transaction is presumed to be valid if the report is being relied on by the User for whom the assessment was originally prepared and the following components were completed: interviews, the regulatory review, site visit, and the declaration by the environmental professional responsible for the assessment. Based on this requirement, this report is presumed to be valid for 180 days after January 3, 2019.

S&ME appreciates the opportunity to provide this Phase I ESA for this project. Please contact us at your convenience if there are questions regarding the information contained in this report.

Sincerely,  
**S&ME, Inc.**

Handwritten signature of Claudia B. Irvin in blue ink.

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## EXECUTIVE SUMMARY

S&ME has completed a Phase I Environmental Site Assessment (ESA) of the property located on Marina Wynd, north of the intersection of Marina Wynd and North Bald Head Wynd, in Bald Head Island, Brunswick County, North Carolina, (i.e. the subject property). Based on a review of the County GIS website, the subject property consists of a portion of the following: a 2.47 acre parcel (Parcel 2600-00-0503) located at 2 Marina Wynd, a 1.48 acre parcel (Parcel 260J-A008), and 1.36 acre parcel (Parcel 260JA003). The subject property is developed with a passenger and contractor ferry landing, a barge landing area, and a road to provide access between both landings. Based on a review of historical resources, the subject property was previously undeveloped prior to the development as a ferry landing.

A pad mounted transformer, propane powered backup generator, propane tank, and a sewage pump station for ferry waste are present in the northeastern portion of the property. This equipment appeared to be in working condition and displayed no visible evidence of leakage or staining. Hydraulic pumps are present in the northeastern portion of the property for the barge landing operation. No evidence of petroleum spills or releases was observed around the pump building. A trash compactor and underground storage tanks are located on the adjacent property, and trash containers were observed throughout the subject property. No visible evidence of staining or releases of petroleum products or hazardous substances was observed among the waste and waste receptacles.

The subject property was listed in the regulatory records (EDR Radius Map Report with GeoCheck) for having a National Pollutant Discharge Elimination System (NPDES) permit for stormwater discharge. Three off-site facilities, Bald Head Island Marina in the Leaking Underground Storage Tanks (LUST) and registered Underground Storage Tanks (USTs) databases, Bald Head Island Waste Oil Site in the Leaking Aboveground Storage Tank (LAST) database, and Bald Head Island Dredge Spoils in the Incident Management database (IMD) were identified in the EDR report.

This assessment has revealed no evidence of recognized environmental conditions or controlled recognized environmental conditions in connection with the subject property, with the exception of:

- Two petroleum underground storage tanks and associated lines are located on the western adjacent Harbormaster property. Although there are no reported releases, USTs systems commonly develop leaks and present a material threat of a release of petroleum product to the soil and groundwater, which could potential impact the groundwater at the subject property.



## 1.0 INTRODUCTION

S&ME, Inc. (S&ME) conducted a Phase I ESA of the property located on Marina Wynd, north of the intersection of Marina Wynd and North Bald Head Wynd, in Bald Head Island, Brunswick County, North Carolina (**Figure 1, Appendix I**). The ESA was conducted using the American Society for Testing and Materials (ASTM) E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and in accordance with S&ME, Inc., Proposal No. 43-1800970, dated December 14, 2018.

### 1.1 Purpose

The User of this report is Bald Head Island Transportation Authority (BHITA). The purpose of the Phase I ESA is to identify, pursuant to ASTM E 1527-13, *recognized environmental conditions* and *controlled recognized environmental conditions* in connection with the subject property. It is S&ME's understanding that the Phase I ESA is being requested as part of a potential property transaction.

ASTM defines the term *recognized environmental condition* (REC) as the presence or likely presence of hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

ASTM defines the term *controlled recognized environmental condition* (CREC) as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

ASTM defines the term *historical recognized environmental condition* (HREC) as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

The terms do not include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are neither recognized environmental conditions, nor controlled recognized environmental conditions, nor historical recognized environmental conditions in connection with the subject property.



## 1.2 Detailed Scope of Services

### 1.2.1 ASTM E 1527-13

S&ME's approach to performing this Phase I ESA consisted of four major tasks in accordance with ASTM Standard Practice E 1527-13.

Task 1 - A review of reasonably ascertainable public records for the subject property and the immediate vicinity was conducted. This review was performed to characterize environmental features of the subject property and to identify past and present land use activities, on or in the vicinity of the subject property, which may indicate a potential for *recognized environmental conditions*. The review of the reasonably ascertainable public records included:

- A. Review of federal, state, tribal, and reasonably ascertainable local public records for the subject property and immediate vicinity.
- B. Review of one or more of the following standard sources: aerial photographs, fire insurance maps, tax files, building department records, zoning/land use records, street directories and topographic maps of the subject property and vicinity for evidence suggesting past uses that might have involved hazardous substances or petroleum products.
- C. Review of land title records back to 1940 or first developed use, whichever is earlier, as well as a copy of the current deed if the documents are provided to S&ME by the Phase I ESA user.

Task 2 - A site reconnaissance was performed to identify visible signs of past or existing contamination on or adjacent to the subject property. This reconnaissance was also performed to evaluate evidence found in our public record review that might indicate activities resulting in hazardous substances or petroleum products being used or deposited on the subject property. The site reconnaissance included the following activities:

- A. A reconnaissance of the subject property and adjacent properties was performed to look for evidence of current and past property uses, signs of spills, stressed vegetation, buried waste, underground or above ground storage tanks, subsidence, transformers, or unusual soil discoloration, which may indicate the possible presence of contaminants on the properties. Photographs are provided to document these conditions.
- B. The exterior reconnaissance involved a viewing of the periphery of the subject property and a walk-through of accessible areas of the site interior including the exterior of on-site structures, if present.
- C. Areas of the subject property were photographed to document the current use(s) of the subject property, as well as conditions such as unusually discolored soil, stressed vegetation, or other significant features associated with the subject property.

Task 3 – Interviews with past and present property owners (if available), operators and occupants as well as with appropriate local officials were conducted to consider any local knowledge of hazardous substances or petroleum products on the subject property or on adjacent properties.

Task 4 - Report preparation.



### *1.2.2 Exclusions from and Additions to Scope of Services*

Unless specifically authorized as an addition to the Phase I ESA work scope, the assessment did not include assessment of environmental conditions not specifically included in the ASTM E 1527-13 standard including, but not limited to sampling of materials (i.e., soil, surface water, groundwater or air), or the assessment of business risk issues such as wetlands, lead in drinking water, asbestos containing materials, mold, fungi or bacteria in on-site buildings, regulatory compliance, cultural/historic risks, industrial hygiene, health/safety, ecological resources, endangered species, indoor air quality, vapor intrusion, radon or high voltage power lines.

## **1.3 Significant Assumptions**

Information obtained from the Client, the Client's representatives, individuals interviewed, and prior environmental reports was considered to be accurate unless S&ME's reasonable inquiries clearly revealed otherwise.

The groundwater within the local geologic province is typically contained in an unconfined (water table) aquifer. The slope of the water table under static conditions (no pumping interference) often approximates the land surface topography. Thus, the interpreted groundwater flow direction is assumed to be approximately the same as the topography of the ground surface. Perennial surface waters (creeks, streams, rivers, ponds, etc.) are assumed to act as a discharge point for groundwater flow.

## **1.4 Limitations and Exceptions of Assessment**

The Phase I ESA was conducted using ASTM E 1527-13. The findings of this report are applicable and representative of conditions encountered at the property on the date of this assessment, and may not represent conditions at a later date. The review of public records was limited to that information that was available to S&ME at the time this report was prepared. Interviews with local and state government authorities were limited to those people whom S&ME was able to contact during the preparation of this report. Information was derived from "reasonably ascertainable" and "practically reviewable" sources in compliance with our understanding of the standards set forth by ASTM E 1527-13.

## **1.5 Special Terms and Conditions**

This Phase I ESA was conducted in accordance with S&ME, Inc. Proposal No. 43-1800970, dated December 14, 2018.

## **1.6 User Reliance**

The resulting report is provided for the sole use of the Client, BHITA and McGuire Woods, LLP. Use of this report by any third parties will be at such party's sole risk except when granted under written permission by S&ME. Any such authorized use or reliance by third parties will be subject to the same Agreement under which the work was conducted for the Client.

The additional party's use and reliance on the report will be subject to the same rights, obligations, and limitations imposed on the client by our Agreement, unless otherwise agreed. However, the total liability of S&ME to all parties of the Phase I ESA shall be limited to the remedies and amounts as provided in the Agreement as a single contract. The additional party's use and reliance on the report shall signify the additional party's agreement to be bound by the proposal and contract that make up the Agreement between S&ME and the Client.



## 2.0 GENERAL SITE DESCRIPTION

### 2.1 Site Location

The subject property consists of a portion of three parcels: a 2.47 acre parcel (Parcel ID No. 2600-00-0503) located at 2 Marina Wynd, a 1.48 acre parcel (Parcel ID No. 260J-A008), and 1.36 acre parcel (Parcel ID No. 260JA003) as shown in **Figures 1, 2 and 3 (Appendix I)**. Brunswick County parcel information is included in **Appendix III**.

### 2.2 Site and Vicinity Characteristics

The subject property is developed as a ferry and barge terminal with an access road. Properties in the site vicinity are commercial and undeveloped.

## 3.0 USER PROVIDED INFORMATION

A copy of the completed User Questionnaire and supporting information provided is included in **Appendix VII**. 1527-13 was provided by the User of this report (Client) via a User Questionnaire completed by email correspondence. A hard copy of the User Questionnaire was not completed. However, on February 4, 2019, Mr. Brad Smith with BHITA stated in an email that he was not aware of anything significant related to environmental issues with the subject property. A copy of the email from Mr. Smith is included in **Appendix VI**.

### 3.1 Title Records

The Client or their representative did not provide S&ME with title records for review, and S&ME was not engaged by the Client to secure a chain of title report as part of the Scope of Services.

### 3.2 Environmental Liens or Activity and Use Limitations

Review of Activity and Use Limitations (AULs) and environmental liens by the *environmental professional* can help in determining if a *recognized environmental condition* is associated with the property. AULs can include both institutional and engineering controls, and are often recorded in land title records in the restrictions of record rather than a typical chain-of-title or title abstract. The User has the responsibility of checking land title and judicial (federal, state, tribal and local) records.

No lien/AUL search was provided by the Client, and no information regarding environmental liens, AULs, or governmental notification relating to past or recurrent violations of environmental laws with respect to the subject property was reported to S&ME by Mr. Smith.

### 3.3 Specialized Knowledge

Mr. Smith indicated that he does not have specialized knowledge that is material to *recognized environmental conditions* identified in connection with the subject property.



### 3.4 Commonly Known or Reasonably Ascertainable Information

No commonly known or reasonably ascertainable information about the subject property within the local community that was material to *recognized environmental conditions* in connection with the subject property was reported to S&ME by Mr. Smith.

### 3.5 Valuation Reduction for Environmental Issues

Mr. Smith did not indicate if the purchase price being paid for the property reasonably reflects the fair market value for the property.

### 3.6 Owner, Property Manager and Occupant Information

The property owner is Bald Head Island Limited, LLC for two of the three parcels and Bald Head Island Transportation, Inc. for one of the three parcels. The operator is Bald Head Island Transportation, Inc. under a lease from Bald Head Island Limited for this Phase I ESA.

### 3.7 Reason for Performing the Phase I ESA

It is our understanding that the Phase I ESA is being conducted as part of due diligence activities for the potential purchase of the subject property. The purpose of the Phase I ESA is to identify, pursuant to ASTM E 1527-13, *recognized environmental conditions* in connection with the property. In addition, the Phase I ESA may qualify the lender for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitations on CERCLA liability.

### 3.8 Other

Mr. Bill Mack, Manager of Facilities and Construction with Bald Head Island Limited, the current property owner, provided S&ME with a copy of a UST permit for the two USTs on the western adjacent Harbor Master's property (**Appendix VII**). The UST registration has been renewed and is valid through December 2019 per the NCDEQ website. He also provided Stormwater Permit No. SW8 940918 Modification for the Bald Head Island Landing, formerly Ferry Depot - High Density Development (**Appendix VII**).

## 4.0 RECORDS REVIEW

This section summarizes records obtained and reviewed to help identify *recognized environmental conditions* in connection with the subject property.

### 4.1 Standard Environmental Record Sources

S&ME reviewed selected federal and state regulatory lists in an attempt to identify recorded information concerning environmental impacts or conditions or concerns associated with the subject property. S&ME reviewed the regulatory lists included in the following table as obtained from Environmental Data Resources (EDR). The database report is attached as **Appendix II**, including a listing of the databases, search distances, an explanation of each database, and figures depicting the approximate locations of regulated facilities in the vicinity of the subject property.



Regulatory listings are limited and include only those facilities or incidents that are known to the regulatory agencies at the time of publication, in the process of evaluation for potential contamination, or to store/generate potentially hazardous substances, waste, or petroleum.

The identified facilities of potential concern, based on distance and topography, are discussed in the following table.

**Table 4-1 Review of Database Search**

Site Name	Location Direction & Distance	Record	Comment
Harbour Village Marina Bulkhead Treatment	Marina Wynd – Target Property	NPDES	A National Pollution Discharge Elimination System (NPDES) stormwater permit is active for the facility. Regulated activity is <i>stormwater - exempted</i> and has been in effect since May 12, 1994. Permit expires in 2022.
Bald Head Island Landing (Formerly Ferry Depot Land)	6 Marina Wynd, Bald Head Island	NPDES	A National Pollution Discharge Elimination System (NPDES) stormwater permit is active for the facility and has been in effect since October 31, 1994. Regulated activity is <i>HD – Infiltration</i> .
#6A Marina Wynd, Bald Head Island	Adjacent Marina	ERNS	In June 2003, October 2004, May 2005, July 2005, October 2005, November 2005, December 2005, July 2006 (2), October 2006, November 2006, December 2006, February 2009, March 2009, May 2011, August 2012, October 2012, September 2014, July 2015, June 2016, and November 2017, reports of unknown sheens on water, overflowing of boats and similar incidents were reported to the National Response Center.
Bald Head Island Marina	8 Marina Wynd – Approximately 355 feet south-southwest of the subject property	LUST, UST	A LUST incident (Incident No. 32384) occurred at the western adjacent facility to the barge landing on February 12, 2007, with the release of petroleum to groundwater. The incident was closed October 19, 2011.  One 10,000-gallon gasoline UST and one 10,000-diesel UST were abandoned on the property January 31, 2007. One 12,000-gallon diesel and 8,000-gallon gasoline UST are active on the site.  Based on proximity, a North Carolina Department of Environmental Quality (NCDEQ) file review was completed ( <b>See Section 4.1.1</b> ).



Site Name	Location Direction & Distance	Record	Comment
Bald Head Island Waste Oil Site	North Bald Head Wynd – Approximately 378 feet east-northeast	LAST	A LUST incident (incident number 5851) occurred at the facility on August 1, 1990 with the release of petroleum to soil. The incident was closed February 21, 1991. Based on limited information, a NCDEQ file review was completed ( <b>See Section 4.1.1</b> ).
Baldhead Island Dredge Spoils	Whalebone Circle – Approximately 549 feet west-southwest	IMD	Petroleum odors were reported in 1996. No groundwater contamination was identified. The incident was Closed Out by NCDEQ in January 2006.

#### 4.1.1 NCDEQ File Review

As part of this Phase I ESA, S&ME contacted the NCDEQ to obtain records that are available to the public pertaining to the Bald Head Island Marina LUST incident and the Bald Head Island Waste Oil site. Pertinent information from the files is included in **Appendix IV** and is summarized as follows:

##### Bald Head Island Marina – approximately 355 feet north-northeast of the subject property.

Information on this release was presented in the October 7, 2011, *Groundwater Sampling Report* prepared by ECS Carolinas, LLP. A 10,000-gallon diesel UST and a 10,000-gallon gasoline UST were abandoned in place in January 2007 at the former Dockmaster building located on the eastern adjacent property to the barge landing. The fuel lines from the USTs to the dispensers located on the fueling dock north of the present Harbor Master building were cut, capped and abandoned in place. A portion of these former fuel lines were located on the subject property near the barge landing. During UST and pipe abandonment activities, petroleum impacted soil near the former gasoline UST was removed. The report shows that the product transfer lines are located beneath the road (i.e., on the subject property) leading to the barge landing. During the closure process, three soil samples were collected along the product transfer lines in January 2007 and analyzed for Total Petroleum Hydrocarbons (TPH) Gasoline Range Organics (GRO) and Diesel Range Organics (DRO), and one of three soil samples was analyzed for volatile organic compounds (VOCs) by Method 6200, Volatile Petroleum Hydrocarbons (VPH), Extractable Petroleum Hydrocarbons (EPH) and Semi-Volatile Organic Compounds (method not listed). The soil samples collected next to the product transfer lines that are located on the subject property had no reportable concentrations of targeted analytes above the analytical method's reporting limits. Two monitor wells were installed near the former USTs and sampled in 2007 and 2011, and a reduction in the hydrocarbon concentrations was identified. No targeted constituents were reported above the analytical method's reporting limit in the monitor well located closest to the subject property in a September 2011 sampling event. A *Notice of No Further Action* was issued by the NCDEQ for the incident on October 24, 2011.

##### Bald Head Island Waste Oil Site – approximately 378 feet east, northeast of the subject property.

This site is located to the east of the subject property. According to reports entitled *Phase II Environmental Assessment* prepared by Westinghouse Environmental and Geotechnical Services, Inc., dated September 26, 1990 and *Monitoring Well Sampling and Analysis Results* prepared by Law Environmental dated February 21, 1991,



cadmium, lead, and selenium were below detectable limits. In 1990, soil and groundwater samples were collected in an area previously used as a maintenance and storage area at the Lighthouse Landing site. Results were below the maximum allowable concentrations of cadmium, lead and selenium. NCDEQ documentation dated November 15, 2012, stated that this incident should have been issued a Notice of No Further Action on February 21, 1991, but was not. Therefore, the document stated that the date of February 21, 1991 is the official closure date. Pertinent information from the file is included in **Appendix IV** and is summarized as follows:

The vehicular reconnaissance did not identify any additional facilities within one-half mile of the subject property that were not identified in the EDR Radius Map Report with GeoCheck or the NCDEQ site maps.

## **4.2 Additional Environmental Record Sources**

### *4.2.1 EDR Supplementary Sources*

The EDR report also includes additional environmental records not listed among the standard federal, state and tribal databases, such as historical auto stations, dry cleaners and manufactured gas plants. No facilities were identified within a one mile radius as a manufactured gas plant or within 1/8<sup>th</sup> of a mile as a historical drycleaner. Private marina fueling activities were identified on the western adjacent property.

### *4.2.2 Tribal Record Sources*

The EDR Radius Map Report did not reveal listings of tribal environmental records. S&ME reviewed a map the Federal Indian Reservation lands for North Carolina. This map was obtained from the U.S. Department of the Interior. Based on our review of this map, no tribal lands or Indian reservations are present on the Subject Property or local vicinity.

### *4.2.3 Other Record Sources*

Orphan sites are facilities identified within the EDR Radius Report that could not be mapped due to poor or inadequate address information. The EDR Report identified no orphan sites.

## **4.3 Physical Setting Sources**

Physical setting sources specified in Section 12.0 of this report were reviewed to provide information about the geology and hydrogeology of the area of the subject property.

### *4.3.1 Surface Drainage and Soil*

Based upon the topographic map reviewed, the area of the subject property slopes to the north-northwest towards the Cape Fear River, located adjacent northwest of the subject property (see **Figure 2, Appendix I**). The subject property has a surface elevation ranging from 10 to 15 feet above the National Geodetic Vertical Datum of 1929. Based on observations during the site visit, surface drainage appears to drain towards the north, northwest.

Information regarding the area soils was obtained from the USDA-NRCS Soil Survey of Brunswick County, North Carolina published 1986. Soils at the majority of the subject property are characterized as Newhan fine sand, 2 to 30 percent slopes. Newhan soils are excessively drained found mostly on coastlines. Newhan soils have a slow



runoff rate, very high permeability rate, and a very low available water capacity. Fine sand is found throughout the soil profile. Other soils found within the soil profile include Duckson fine sand.

#### 4.3.2 *Bedrock*

According to the Geologic Map of North Carolina dated 1986, the subject property is located in the Coastal Plain Physiographic Province of North Carolina. The formation is underlain by surficial deposits undivided consisting of sand, clay, and gravel of the Cenozoic era. The Coastal Plain Province generally consists of flat plains with occasional hills and ridges which are dissected by a well-developed system of draws and streams and is predominantly underlain by sedimentary rock (formed by sand, mudstone, and marine deposits).

#### 4.3.3 *Groundwater*

The source of groundwater in Brunswick County is precipitation in the form of rain and snow. A portion of the precipitation infiltrates into the ground and moves under the influence of gravity to the water table. Brunswick County contains a lowland plain moderately dissected by streams. Inter-stream areas are generally low, and most of the larger streams are bordered by wide flood plains.

Based upon a review of topographic maps, groundwater is expected to flow south-southeast towards the Cape Fear River, located adjacent southeast of the subject property.

### 4.4 **Historical Use Information on the Property**

S&ME reviewed aerial photographs obtained from EDR (1956, 1959, 1969, 1975, 1983, 1993, 1999, 2000, 2005, 2006, 2008, 2009, 2010, 2012). Topographic maps were obtained from EDR (1942, 1946, 1969, 1970, 1979, 1990, 1999, 2013). Sanborn® Fire Insurance Maps were not available for the subject property and surrounding vicinity. S&ME reviewed city directories obtained from EDR (1992, 1995, 1999, 2003, 2008, 2013). Historical information is included in **Appendix III**. As part of this assessment, the 2016 *Cape Fear, NC, Cape Fear OE W, NC, Kure Beach, NC, Southport, NC* USGS topographic maps were reviewed, and are included as **Figure 2, Appendix I**.

**Table 4-2 Historical Use Summary Table (Onsite)**

Listing/Observed Feature	Source(s)
The subject property is partially forested and undeveloped from 1956 to 1975. Dredging activities appear in 1975. The Bald Head Island Marina and commercial development of the marina is first depicted in 1983.	Aerial Photographs
The subject property is listed as Bald Head Island and Bald Head Island Limited in 2013 for the addresses 4, 6, and 8 Marina Wynd. The subject property was not listed in the reviewed directories from 1992, 1995, 1999, 2008, and 2008. The surrounding properties are listed as residential and commercial.	City Directories
The subject property is mapped as vacant and cleared in 1942, 1946, 1969, 1970, and 1990. Several structures on the subject property in 1999. No structures are located on the 2013 topographic map.	Topographic Maps



The standard historical sources listed below were not reviewed. It is S&ME's opinion that these sources would not provide additional meaningful and complete information, or the sources were not considered to be practically reviewable or reasonably ascertainable.

- Property Tax Files
- Recorded Land Titles
- Building Department records
- Zoning/land use records

#### 4.5 Historical Use Information on Adjoining Properties

Historical information including aerial photographs, topographic maps, city directories and regulatory records were reviewed to assess off-site historical land uses. Our findings are presented in the following tables.

**Table 4-3 Historical Use Summary Table (Off-Site)**

Current Use/Location	Prior use
North: Residential, Cape Fear River, Bald Head Island Marina water entrance	The area to the north is depicted undeveloped from 1956 to 1975. In 1983, the Bald Head Island Marina is depicted north of the subject property. Commercial and residential properties are first depicted north of the subject property in 1999.
East: Undeveloped, Bald Head Island Marina	The area to the east is depicted undeveloped from 1956 to 1975. In 1983, the Bald Head Island Marina is depicted.
South: Parking Areas, residential	The area to the south of the subject property is depicted as undeveloped from 1956 to 1983. In 1983, residential properties were developed south of the subject property. In 1993, an asphalt parking lot associated with the Bald Head Island Marina is depicted.
West: Cape Fear River, commercial, Bald Head Island Marina	The area to the west is depicted undeveloped from 1956 to 1975. In 1983, the Bald Head Island Marina is depicted. Commercial and residential properties on adjacent properties in 1999.

#### 4.6 Vapor Encroachment Screening

Vapor Encroachment Screening (VES) of identified potential contaminant sources was performed as part of this Phase I ESA. The conclusions of the VES indicate that a Vapor Encroachment Condition (VEC) *does not exist*. The VES is provided as **Appendix IV**.



## 5.0 SITE RECONNAISSANCE

The site reconnaissance was performed by Ms. Claudia Irvin of S&ME on January 9, 2019. The purpose of the site reconnaissance was to identify *recognized environmental conditions* at the subject property and identify sites of similar environmental concern located within ¼ mile of the subject property. The subject property was observed for evidence of past or present activities that could have led to the deposition of hazardous substances or petroleum products.

### 5.1 Methods and Limiting Conditions

The purpose of the site reconnaissance is to “obtain information indicating the likelihood of identifying *recognized environmental conditions* in connection with the property.” The site reconnaissance was performed by walking the subject property. Photographs of the existing conditions of the subject property were taken to document the current uses, which are included in **Appendix V**.

### 5.2 General Site Setting

#### 5.2.1 *Current Use(s) of the Subject Property*

The subject property was developed as the Bald Head Island Passenger and Contractor Ferry Terminal and the Barge Landing during the site reconnaissance (**Photos 1 and 2**). Marina Wynd is the internal road that provides access from the ferry landing to the barge landing area.

#### 5.2.2 *Past Use(s) of the Subject Property*

No evidence of past use of the subject property was observed during the site reconnaissance.

#### 5.2.3 *Current Use(s) of Adjoining and Surrounding Properties*

The current uses of the adjoining properties were identified to the extent that they were visually observed from the subject property during our field reconnaissance, or were identified in interviews or in the records review. Descriptions of adjoining properties are provided below:

- North- Marina entrance, residential (**Photo 3**)
- East/West Internal Properties- Harbor master, sales office, property management, restaurant, stores (**Photo 4**)
- South- Contractor parking, rental golf cart parking lot, residences (**Photos 5 and 6**)

Groundwater in the area is expected to flow north, northwest towards the Cape Fear River. Commercial activities consisting of real estate offices, convenience store, apparel sales, parking areas, and restaurants are located on the adjacent properties. No apparent evidence of hazardous substances on nearby properties that may impact the subject property due to migration was observed during the site reconnaissance. Two USTs and two fuel dispensers were observed on the adjacent Harbor Master property. No releases associated with these active USTs or dispensers were identified during the site reconnaissance or the file review.



#### *5.2.4 Past Use(s) of Adjoining and Surrounding Properties*

No other obvious evidence of previous land uses was observed on adjoining and surrounding properties through observations made during the site visit.

#### *5.2.5 Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions*

Surface drainage appears to drain towards the north, northwest towards the Cape Fear River. The Bald Head Island Marina is located in the northeastern and central portions of the subject property. The Cape Fear River is located approximately 325 feet northwest, west and 2,210 feet, northeast, east of the subject property. Fishing Creek is located approximately 345 feet east of the subject property.

#### *5.2.6 Description of Structures and Roads*

The subject property consists of three wooden storage buildings, two ferry landing buildings servicing passengers and contractors, and a wooden structure serving as a ticket booth (**Photos 1 and 7**). The building housing the hydraulic pumps for the barge landing is located on the eastern side of the subject property (**Photo 8**). Marina Wynd road was observed throughout the subject property. An asphalt parking lot is observed in the northwestern portion of the subject property for the parking of passenger trams (**Photo 9**).

#### *5.2.7 Potable Water Supply and Sewage Disposal System*

According to the owner interview, the subject property is connected to a public water system, which is piped under the Cape Fear River from the mainland, Southport area. Nineteen public water supply wells are located on Bald Head Island. A wastewater treatment facility is located on the island and sewer manholes were observed on the subject property.

### **5.3 Exterior Observations**

The subject property is developed with the Bald Head Island Marina, ferry terminal (**Photo 1**) and landing, and a barge landing (**Photo 2**). Structures on the subject property include three wooden storage buildings (**Photo 7**), a pumping station for sanitary sewer from the ferry to be transported to the island wastewater treatment facility (**Photo 10**), a backup generator and propane tank for the ticket booth (**Photo 11**), and a building containing the hydraulic pumps for the barge landing ramp hydraulic lifts (**Photo 8**) and the barge landing area (**Photo 2**). The hydraulic lines run underground from the pump house to the cylinders. Personal boats docking areas associated with the Bald Head Island Marina/Harbor Master Building are located in between the ferry landing and the barge landing (**Photo 12**). Fuel Dispensers are located adjacent to the marina (**Photo 13**). Residences are located south of the subject property.

### **5.4 Interior Observations**

The interior of the storage buildings were observed with equipment associated with the Bald Head Island Marina. The building adjacent to the metal landing ramps were observed with two motors used to raise the landing ramps (**Photo 14**). The interior of the three sheds near the ferry terminal were used as a break room, a lost and found and storage of a pressure washer and previous backup generator for ticket booth (**Photo 15**).



## 5.5 General Property Observations

Findings from the site reconnaissance are summarized in the following table:

**Table 5-1 Property Observations**

<b>General Property Observations</b>		
Description	Reported or Observed On-site or Adjacent Properties (Y/N)	Comments
Hazardous Substances and Petroleum Products	N	
Underground Storage Tanks (USTs)	N	Two USTs were observed on the adjacent parcel. Two fiberglass, double-walled USTs were installed in 2007 ( <b>Photo 4</b> ). Fuel dispensers for these USTs were observed on the Harbor Master dock area located between the ferry and the barge landings ( <b>Photos 12 and 13</b> ).
Aboveground Storage Tanks (ASTs)	<b>Y</b>	A propane tank and generator were observed in the northwestern portion of the subject property, adjacent to the ferry landing ( <b>Photo 11</b> ).
Oil/Water Separators	N	
Strong, Pungent, or Noxious Odors	N	
Pools of Liquid	N	
Drums, Barrels and/or Containers > 5 Gallons	N	
Unidentified Substance Containers	N	
Potential Polychlorinated Biphenyls (PCB)-Containing Equipment	N	A pad mounted transformer was observed in the northern portion of the subject property ( <b>Photo 16</b> ). The transformer was observed in good condition.
Hydraulic Equipment	<b>Y</b>	Pumps and hydraulics were observed in the northeastern portion of the subject property ( <b>Photos 2 and 14</b> ).



<b>General Property Observations</b>		
Description	Reported or Observed On-site or Adjacent Properties (Y/N)	Comments
Contracted Maintenance Services	<b>Y</b>	A landscaping company hauls trash from throughout the marina complex and utilizes the adjacent Harbor Master trash compactor for disposal.
Utilities and Stormwater Management	<b>Y</b>	Sewer manholes were observed throughout the subject property.
Pits, Ponds, Lagoons, and Surface Waters	<b>Y</b>	The Bald Head Island Marina was observed northeast adjacent to the subject property. The Cape Fear River is observed northwest, west of the subject property.
Surface Water Discoloration, Sheen or Free Product	N	
Stormwater Retention or Detention Ponds	N	
Stained Soil or Pavement	N	
Stressed Vegetation	N	
Solid Waste	N	Trash cans are observed throughout the subject property. A trash compactor is observed western and eastern adjacent to the subject property, adjacent to the harbor master building.
Exterior Dumpsters with Staining	N	
Process/Industrial Wastewater Discharges	N	
Wells	<b>Y</b>	One observation monitoring well was observed near the USTs located on the adjacent Harbor Master parcel.
Septic Systems	N	
Heating/Cooling	<b>Y</b>	Electric heat and cool in ticket booth only.

## 6.0 INTERVIEWS

Copies of the Record of Communications are included in **Appendix VI**.

### 6.1 Interview with Past and Present Owners

On January 9, 2019, Ms. Claudia Irvin interview Mr. Bill Mack, the Manager of Facilities and Construction for Bald Head Island Limited, LLC, the owner, during the site reconnaissance concerning history and potential environmental concerns in connection with the subject property. Mr. Mack gave a background of the property

## Phase I Environmental Site Assessment

### Bald Head Island Ferry Terminal

Southport, Brunswick County, North Carolina

S&ME Project No. 4305-19-004



and why the Phase I ESA is being required. The Mitchell Family owns the property under Bald Head Island (BHI) Limited (Ltd). BHI Ltd is a subsidiary to Mitchell Energy Group. Bald Head Island Limited contains other entities, Bald Head Island Shoals Clubs and Bald Head Island Transportation. There are plans for the transportation entity to be sold off to a newly formed Bald Head Island Transportation Authority. The island community is called Bald Head Island Village and has its own governing entity. Mr. Mack believes the property was purchased around 1983 from Mr. Harrington. Property not previously developed.

A pump out area is located near the passenger ferry landing (sewer waste from ferry restrooms to here and then to WWTP on island). Three small buildings near the landing are utilized for storage, a break room and lost and found. A small backup generator and propane tank is onsite for the ferry ticket window in case of a power outage. Trams pick up and deliver gear and passengers throughout the island to the ferry (like a taxi service). A building located western adjacent to the barge landing houses two hydraulic motors for the raising of the barge landing. A landscape company hauls trash from receptacles throughout the ferry terminal and harbor master area to the trash compactor. Water is provided by 19 wells on the island and public water is piped under Cape Fear River to the island. Power also brought from the mainland, under the Cape Fear River to the island.

On the adjacent Harbormaster property there are two USTs (one gas and one diesel) that were installed in 2007 or 2008. The previous two USTs and associated underground product transfer lines were abandoned in place. The fuel dispensers for personal boats are located on the north side of Harbormaster building. Fuel hose dispensers are located along the boardwalk near boat parking. Mr. Mack was aware that there was some sort of cleanup with the USTs. Other than the former USTs, Mr. Mack was not aware of environmental issues with this property.

On February 11, 2019 Ms. Irvin emailed Mr. Mack to clarify if the hydraulic pump lines for the barge landing cylinders are located underground and if hydraulic oil has been added to the system often. Mr. Mack forwarded the question to Mr. Chad Paul, Chief Executive Office for Bald Head Island Limited, LLC, who followed up with the maintenance team. He emailed his response and stated that the lines do run underground. They have had several occasions to add oil to the barge ramp hydraulic system. The first occasion was due to a lightning strike during a severe thunderstorm years ago which resulting in a shorting of the pump motors and required replacing all of the oil in the system. The second time was when there was a small oil leak associated with one of the seals in the cylinder. The cylinder was replaced. The third time was when oil was seeping past a valve in the system and the valve was replaced. He noted that cylinders are replaced on a rotational basis to prevent any leaks or other failures from occurring. Mr. Mack also stated that they have not had any material leaks that have resulted in a sheen upon the water from the barge ramp system. Small leaks/releases that occurred have been immediately cleaned up and repaired. It was also noted that they use an hydraulic oil called EnviroSyn, which is a synthetic, vegetable based oil which is less harmful to the environment than petroleum based oils, should a release occur.

Copies of the records of communication are included in **Appendix VI**.

## 6.2 Interview with Key Site Manager

Bald Head Island Limited, LLC is considered the key site manager associated with the subject property. See **Section 6.1** for the Owner Interview.



### **6.3 Interview with Occupants**

The subject property is occupied by customers and employees associated with the Bald Head Island Marina and Ferry. See **Section 6.1** for the Owner Interview.

### **6.4 Interview with Local Government Officials**

On February 1, 2019, Ms. Claudia Irvin of S&ME contacted the Village of Bald Head Island Department of Public Safety concerning fire and hazardous material release information in connection with the subject property. An administrator stated that requests for fire and hazardous material release information should be requested through email. An email request was sent on February 1, 2019. Mr. Paul Swanson, Captain with the Village of Bald Head Island Department of Public Safety, stated in his email response on February 6, 2019 that no calls for the ferry have been received by their department. The only calls have been associates with private boats and not at the passenger ferry or barge landing areas.

### **6.5 Interviews with Others**

No other interviews were conducted as a part of this assessment.

## **7.0 FINDINGS**

The results of the Phase I ESA are summarized in the following sections.

### **7.1 On-Site Findings**

1. The subject property was identified in the NPDES database in the EDR Radius Report for stormwater discharges.
2. Hydraulic pumps and equipment were observed in the eastern portion of the subject property.
3. A propane tank was observed in the northern portion of the subject property.
4. A generator was observed in the northern portion of the subject property.
5. A pad-mounted transformer was observed in the northern portion of the subject property.
6. Abandoned underground petroleum product transfer lines are located on the subject property. These lines cross beneath the road at the barge landing.

### **7.2 Off-Site Findings**

1. Two active USTs and associated disposal pumps are located on adjacent property.
2. A trash compactor was observed on the adjacent property.



3. Two abandoned in-place USTs are located at the Bald Head Marina facility located at 8 Marina Wynd, on the adjacent property. This facility was identified in the LUST and UST database in the EDR Radius Report.
4. The Bald Head Island Waste Oil Site facility located on North Bald Head Wynd approximately 375 feet east of the subject property, was identified in the LAST database in the EDR Radius Report.
5. The Bald Head Island Dredge Spoils facility located on Whalebone Circle, approximately 549 feet west-southwest of the subject property, was identified in the IMD database in the EDR Radius Report.'
6. In June 2003, October 2004, May 2005, July 2005, October 2005, November 2005, December 2005, July 2006 (2), October 2006, November 2006, December 2006, February 2009, March 2009, May 2011, August 2012, October 2012, September 2014, July 2015, June 2016, and November 2017, reports of unknown sheens on water, overfilling of boats, and similar incidents were reported to the National Response Center.

## 8.0 OPINIONS

### 8.1 On-Site Opinions

1. The subject property identified in the NPDES database **does not represent a recognized environmental condition**, because no incidents have been reported in connection with the stormwater discharge permit.
2. The hydraulic pumps and equipment observed **do not represent a recognized environmental condition**, because no visual evidence of contamination (e.g.: staining, noxious odors) was observed in the vicinity of the equipment and the equipment appeared in good condition.
3. The propane tank observed in the northern portion of the subject property **does not represent a recognized environmental condition**, because the tank appeared to be in good condition with no cracks, staining, or rusting. No visual evidence of contamination was observed in the vicinity of the tank.
4. A generator was observed in the northern portion of the subject property **does not represent a recognized environmental condition**, because the generator appeared to be in good condition with no cracks, staining, or rusting. No visual evidence of contamination was observed in the vicinity of the generator.
5. A pad-mounted transformer was observed in the northern portion of the subject property **does not represent a recognized environmental condition**, because the transformer appeared to be in good condition with no cracks, staining, or rusting. No visual evidence of contamination was observed in the vicinity of the transformer.
6. Abandoned underground petroleum product transfer lines are located on the subject property. These lines cross beneath the road at the barge landing. The presence of these abandoned petroleum product



lines **do not represent a recognized environmental condition**, because three soil samples collected next to the lines on the subject property when the UST system was abandoned in-place did not report the presence of petroleum hydrocarbons in the soil.

## 8.2 Off-Site Opinions

1. The two active USTs and associated disposal pumps **do represent a recognized environmental condition**. Although there have been no reported incidents or releases from the tanks installed in 2007, UST systems commonly develop leaks and present a material threat of a release of petroleum product to the subject property.
2. A trash compactor was observed on the eastern and western adjacent subject property **does not represent a recognized environmental condition**, because the compactor appeared to be in good condition with no cracks, staining, or rusting. No visual evidence of contamination was observed in the vicinity of the compactor and the waste appeared to be non-hazardous.
3. The Bald Head Marina facility LUST incident **does not represent a recognized environmental condition**, because the incident was closed and a Notice of No Further Action issued by the NCDEQ.
4. The Bald Head Island Waste Oil Site facility **does not represent a recognized environmental condition**, because contaminants were reported below detectable limits during the latest sampling event in 1991 and the incident has a closed status per NCDEQ.
5. The Bald Head Island Dredge Spoils facility **does not represent a recognized environmental condition**, because groundwater is expected to flow west, away from the subject property, and has been given a Closed status by NCDEQ.
6. The reports of petroleum releases by the adjacent property **do not represent a recognized environmental conditions** associated with subject property, since the releases are related to the private marina activities.

## 8.3 Data Gaps

The following data gaps were identified:

- The historical review failed to document property use in approximately five year intervals back to its first developed use.
- Land title and judicial records were not reviewed for environmental liens or activity and use limitations (AULs); however, the Client reported no knowledge of environmental liens or AULs on the User Questionnaire (**Appendix VII**).

These data gaps are not considered significant to our ability to identify recognized environmental conditions in connection with the subject property.



## 9.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E 1527-13 of the property located on Marina Wynd in Bald Head Island, Brunswick County, North Carolina and the subject property. Any exceptions to, or deletions from, this practice are described in Sections 1.5 and 10 of this report.

This assessment has revealed no evidence of *recognized environmental conditions* or controlled or historical recognized environmental conditions in connection with the subject property, except for the following:

- ◆ Two underground storage tanks and associated underground transfer lines installed in 2007 on the western adjacent Harbormaster property, presents a material threat of a release of petroleum product to the soil and groundwater.

## 10.0 DEVIATIONS

No deviations from the standard were made.

## 11.0 ADDITIONAL SERVICES

No additional services are being conducted in association with this Phase I Environmental Site Assessment.

## 12.0 REFERENCES

- Parcel information and obtained from Brunswick County GIS, <http://brunsc0.maps.arcgis.com/apps/webappviewer/index.html?id=6df283e1aa634006baeedf6daac40d38/>
- Cape Fear, NC, Cape Fear OE W, NC, Kure Beach, NC, Southport, NC North Carolina Quadrangle, U.S. Geological Survey (USGS) 7.5 minute series Topographic Map, dated 2016;
- Aerial photographs obtained from Brunswick County, North Carolina GIS website;
- EDR-Aerial Photo Decade Package, Inquiry Number 5003208.9, dated July 26, 2017;
- EDR-Certified Sanborn® Map Report, Inquiry Number 5003208.3, dated July 25, 2017;
- EDR-City Directory Image Report, Inquiry Number 5003208.5 dated July 28, 2017;
- EDR-Historical Topo Map Report with QuadMatch, Inquiry Number 5003208.4, dated July 25, 2017;
- EDR-Radius Map Report with GeoCheck, Inquiry Number 55254295.2s, dated January 4, 2019;
- ASTM, 2013. ASTM Standards on Environmental Site Assessments for Commercial Real Estate. E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. American Society for Testing and Materials, Philadelphia, PA;
- 1985 Geologic Map of North Carolina Generalized Geologic Map of North Carolina, 1985. Department of Natural Resources and Community Development, Division of Land Resources; and,
- Soil Survey of Brunswick County, North Carolina, 1986, United States Department of Agriculture Soil Conservation Service and the North Carolina Agricultural Experiment Station.



### 13.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

"I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312" and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

A handwritten signature in blue ink, appearing to read 'Claudia B. Irvin', written over a horizontal line.

Claudia B. Irvin, E.I.T.  
Environmental Professional

### 14.0 QUALIFICATION(S) OF ENVIRONMENTAL PROFESSIONAL(S)

S&ME provides a broad range of environmental services, including site assessments for real estate transactions. S&ME has over 1,200 employees located in twenty six offices throughout the southeast. ENR ranked S&ME as one of the 200 largest environmental firms in the country.

Qualifications of the environmental professional who contributed to this Phase I ESA are included in **Appendix VIII**.



## **Appendix I – Figures**

Drawing Path: T:\Projects\2019\ENV\4305-19-004 Bald Head Island Ferry Phase I ESA\GIS\VICINITY.mxd plotted by abentz 01-04-2019

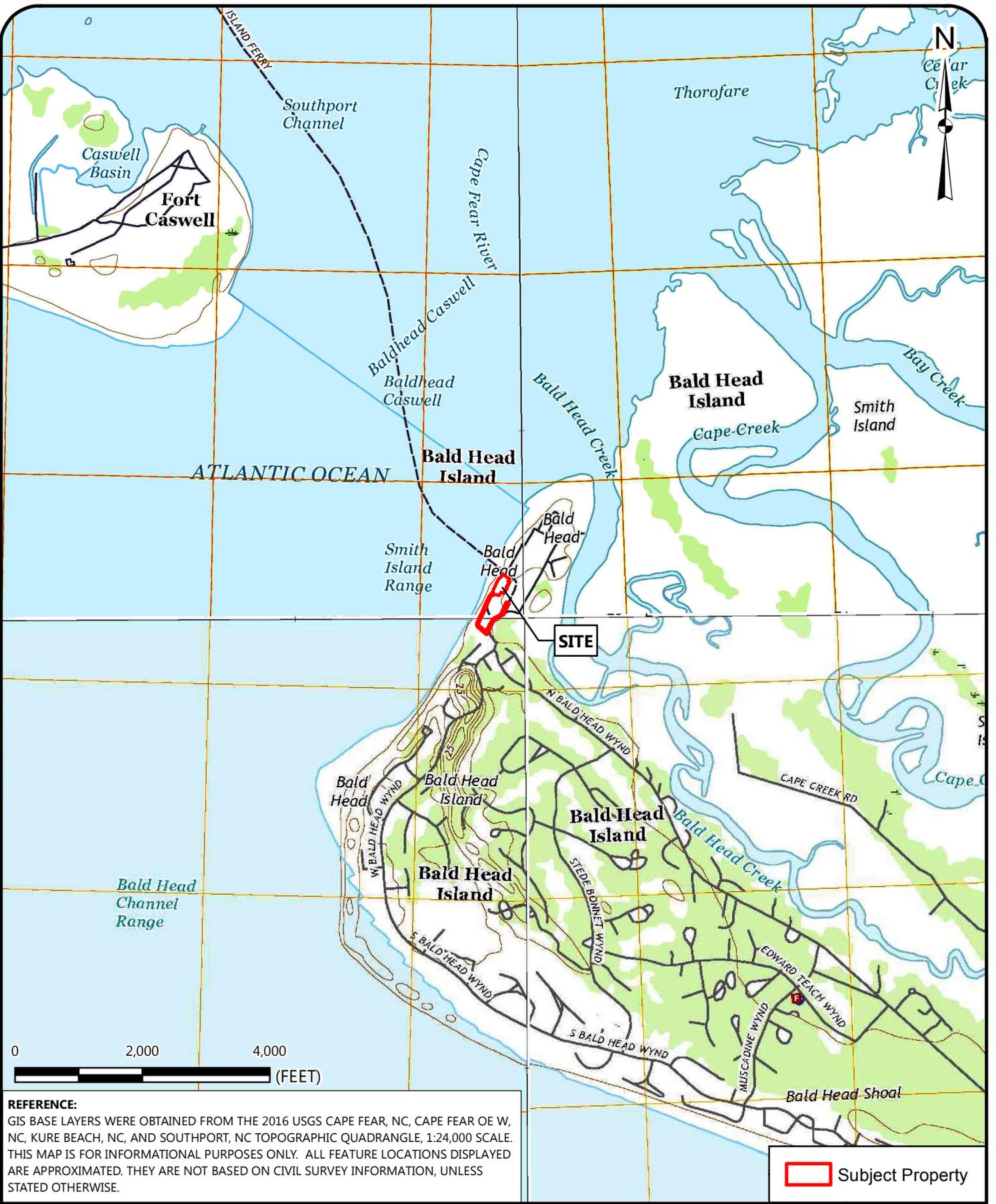


**REFERENCE:**  
 GIS BASE LAYERS WERE OBTAINED FROM THE USGS NATIONAL TOPO MAP VIEWER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

 Subject Property

	<b>VICINITY MAP</b>		SCALE: 1" = 2,000'	FIGURE NO.
	BALD HEAD ISLAND FERRY TERMINAL PHASE I ESA MARINA WYND BALD HEAD ISLAND, BRUNSWICK COUNTY, NC		DATE: 1-4-19	<b>1</b>
			PROJECT NUMBER 4305-19-004	

Drawing Path: T:\Projects\2019\ENV\4305-19-004 Bald Head Island Ferry Phase I ESA\GIS\USGS.mxd plotted by abentz 01-04-2019



**REFERENCE:**  
 GIS BASE LAYERS WERE OBTAINED FROM THE 2016 USGS CAPE FEAR, NC, CAPE FEAR OE W, NC, KURE BEACH, NC, AND SOUTHPORT, NC TOPOGRAPHIC QUADRANGLE, 1:24,000 SCALE. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

 Subject Property

	<b>USGS TOPOGRAPHIC MAP</b>	SCALE: 1" = 2,000'	FIGURE NO.
	BALD HEAD ISLAND FERRY TERMINAL PHASE I ESA MARINA WYND	DATE: 1-4-19	<b>2</b>
	BALD HEAD ISLAND, BRUNSWICK COUNTY, NC	PROJECT NUMBER 4305-19-004	

Drawing Path: T:\Projects\2019\ENV\4305-19-004 Bald Head Island Ferry Phase I ESA\GIS\SITE.mxd plotted by abentz 01-28-2019



**REFERENCE:**  
 GIS BASE LAYERS WERE OBTAINED FROM THE 2016 NCONEMAP AERIAL ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

Subject Property

	<b>SITE MAP</b>	SCALE: 1" = 150'	FIGURE NO.
	BALD HEAD ISLAND FERRY TERMINAL PHASE I ESA MARINA WYND BALD HEAD ISLAND, BRUNSWICK COUNTY, NC	DATE: 1-28-19	<b>3</b>
		PROJECT NUMBER 4305-19-004	

**Phase I Environmental Site Assessment**  
**Bald Head Island Ferry Terminal**  
Southport, Brunswick County, North Carolina  
S&ME Project No. 4305-19-004



## **Appendix II – EDR Radius Map**

**Bald Head Island - Ferry Terminal**

Marina Wynd

Southport, NC 28461

Inquiry Number: 5524295.2s

January 04, 2019

# The EDR Radius Map™ Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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## GEOCHECK ADDENDUM

### GeoCheck - Not Requested

***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 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

MARINA WYND  
SOUTHPORT, NC 28461

#### COORDINATES

Latitude (North): 33.8752640 - 33° 52' 30.95"  
Longitude (West): 78.0016610 - 78° 0' 5.97"  
Universal Tranverse Mercator: Zone 17  
UTM X (Meters): 777348.7  
UTM Y (Meters): 3752178.8  
Elevation: 7 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5946121 SOUTHPORT, NC
Version Date:	2013
Northeast Map:	5945905 KURE BEACH, NC
Version Date:	2013
Southeast Map:	5945903 CAPE FEAR, NC
Version Date:	2013
Southwest Map:	5946125 CAPE FEAR OE W, NC
Version Date:	2013

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140523
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:  
MARINA WYND  
SOUTHPORT, NC 28461

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">A1</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A2</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A3</a>	BALD HEAD ISLAND LAN	6 MARINA WYND	NPDES		TP
<a href="#">A4</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A5</a>		6A MARINA WYND	ERNS		TP
<a href="#">A6</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A7</a>	BALD HEAD ISLAND MAR	6A MARINA WYND	UST		TP
<a href="#">A8</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A9</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A10</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A11</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A12</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A13</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A14</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A15</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A16</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A17</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A18</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A19</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A20</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A21</a>	HARBOUR VILLAGE MARI	MARINA WYND	NPDES		TP
<a href="#">A22</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A23</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A24</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A25</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A26</a>		#6A MARINA WYND	ERNS		TP
<a href="#">A27</a>	BALD HEAD ISLAND MAR	8 MARINA WYND	LUST	Higher	66, 0.013, South
<a href="#">28</a>	BALDHEAD ISLAND DRED	WHALEBONE CIRCLE, BA	IMD	Higher	258, 0.049, SW
<a href="#">29</a>	BALD HEAD ISLAND WAS	NORTH BALD HEAD WYND	LAST	Lower	633, 0.120, ENE

## EXECUTIVE SUMMARY

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
#6A MARINA WYND #6A MARINA WYND BALD HEAD ISLAND, NC 28461	ERNS NRC Report #: 1195419	N/A
#6A MARINA WYND #6A MARINA WYND BALD HEAD ISLAND, NC 28461	ERNS	N/A
BALD HEAD ISLAND LAN 6 MARINA WYND BALD HEAD ISL, NC	NPDES Permit Number: SW8940918	N/A
#6A MARINA WYND #6A MARINA WYND BALD HEAD ISLAND, NC 28461	ERNS NRC Report #: 818709	N/A
6A MARINA WYND 6A MARINA WYND BALD HEAD ISLAND, NC	ERNS NRC Report #: 1215123	N/A
#6A MARINA WYND #6A MARINA WYND BALD HEAD ISLAND, NC 28461	ERNS	N/A
BALD HEAD ISLAND MAR 6A MARINA WYND BALD HEAD ISLAND, NC 28461	UST Tank Status: Abandoned Tank Status: Current Facility Id: 00-0-0000021446	N/A
#6A MARINA WYND #6A MARINA WYND BALD HEAD ISLAND, NC 28461	ERNS NRC Report #: 1122419	N/A
#6A MARINA WYND #6A MARINA WYND BALD HEAD ISLAND, NC 28461	ERNS NRC Report #: 1095235	N/A
#6A MARINA WYND #6A MARINA WYND BALD HEAD ISLAND, NC 28461	ERNS	N/A

## EXECUTIVE SUMMARY

NRC Report #: 1027886

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS  
NRC Report #: 1022433

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS  
NRC Report #: 977657

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS  
NRC Report #: 901243

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS  
NRC Report #: 783002

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS  
NRC Report #: 815419

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS  
NRC Report #: 805734

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS  
NRC Report #: 805289

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS  
NRC Report #: 647306

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS  
NRC Report #: 738993

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS

N/A

## EXECUTIVE SUMMARY

NRC Report #: 758491

HARBOUR VILLAGE MARI  
MARINA WYND  
BALD HEAD ISLAND, NC

NPDES  
Permit Number: SW8940506

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC

ERNS  
NRC Report #: 777770

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS  
NRC Report #: 778620

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS  
NRC Report #: 764340

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC

ERNS  
NRC Report #: 820901

N/A

#6A MARINA WYND  
#6A MARINA WYND  
BALD HEAD ISLAND, NC

ERNS  
NRC Report #: 898022

N/A

### **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

## EXECUTIVE SUMMARY

NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing

SEMS..... Superfund Enterprise Management System

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***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***

LUCIS..... Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

### ***State- and tribal - equivalent NPL***

NC HSDS..... Hazardous Substance Disposal Site

### ***State- and tribal - equivalent CERCLIS***

SHWS..... Inactive Hazardous Sites Inventory

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

SWF/LF..... List of Solid Waste Facilities

OLI..... Old Landfill Inventory

### ***State and tribal leaking storage tank lists***

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

LUST TRUST..... State Trust Fund Database

### ***State and tribal registered storage tank lists***

FEMA UST..... Underground Storage Tank Listing

## EXECUTIVE SUMMARY

AST..... AST Database  
INDIAN UST..... Underground Storage Tanks on Indian Land

### ***State and tribal institutional control / engineering control registries***

INST CONTROL..... No Further Action Sites With Land Use Restrictions Monitoring

### ***State and tribal voluntary cleanup sites***

VCP..... Responsible Party Voluntary Action Sites  
INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Brownfields Projects Inventory

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

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

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

SWRCY..... Recycling Center Listing  
HIST LF..... Solid Waste Facility Listing  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
IHS OPEN DUMPS..... Open Dumps on Indian Land

### ***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL..... Delisted National Clandestine Laboratory Register  
US CDL..... National Clandestine Laboratory Register

### ***Local Land Records***

LIENS 2..... CERCLA Lien Information

### ***Records of Emergency Release Reports***

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... Spills Incident Listing  
SPILLS 90..... SPILLS 90 data from FirstSearch  
SPILLS 80..... SPILLS 80 data from FirstSearch

### ***Other Ascertainable Records***

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
FUDS..... Formerly Used Defense Sites  
DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information

## EXECUTIVE SUMMARY

EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Air Quality Permit Listing
ASBESTOS.....	ASBESTOS
COAL ASH.....	Coal Ash Disposal Sites
DRYCLEANERS.....	Drycleaning Sites
Financial Assurance.....	Financial Assurance Information Listing
UIC.....	Underground Injection Wells Listing
AOP.....	Animal Operation Permits Listing

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive Records***

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### ***Exclusive Recovered Govt. Archives***

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
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## EXECUTIVE SUMMARY

RGA LF..... Recovered Government Archive Solid Waste Facilities List  
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

### 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 Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 11/02/2018 has revealed that there is 1 LUST 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>
BALD HEAD ISLAND MAR Incident Number: 32384 Current Status: File Located in Archives	8 MARINA WYND	S 0 - 1/8 (0.013 mi.)	A27	99

LAST: A listing of leaking aboveground storage tank site locations.

A review of the LAST list, as provided by EDR, and dated 11/02/2018 has revealed that there is 1 LAST site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BALD HEAD ISLAND WAS Close Out: 02/21/1991 Incident Number: 5851 Current Status: A	NORTH BALD HEAD WYND	ENE 0 - 1/8 (0.120 mi.)	29	102

### ADDITIONAL ENVIRONMENTAL RECORDS

#### ***Records of Emergency Release Reports***

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there is 1 IMD

## EXECUTIVE SUMMARY

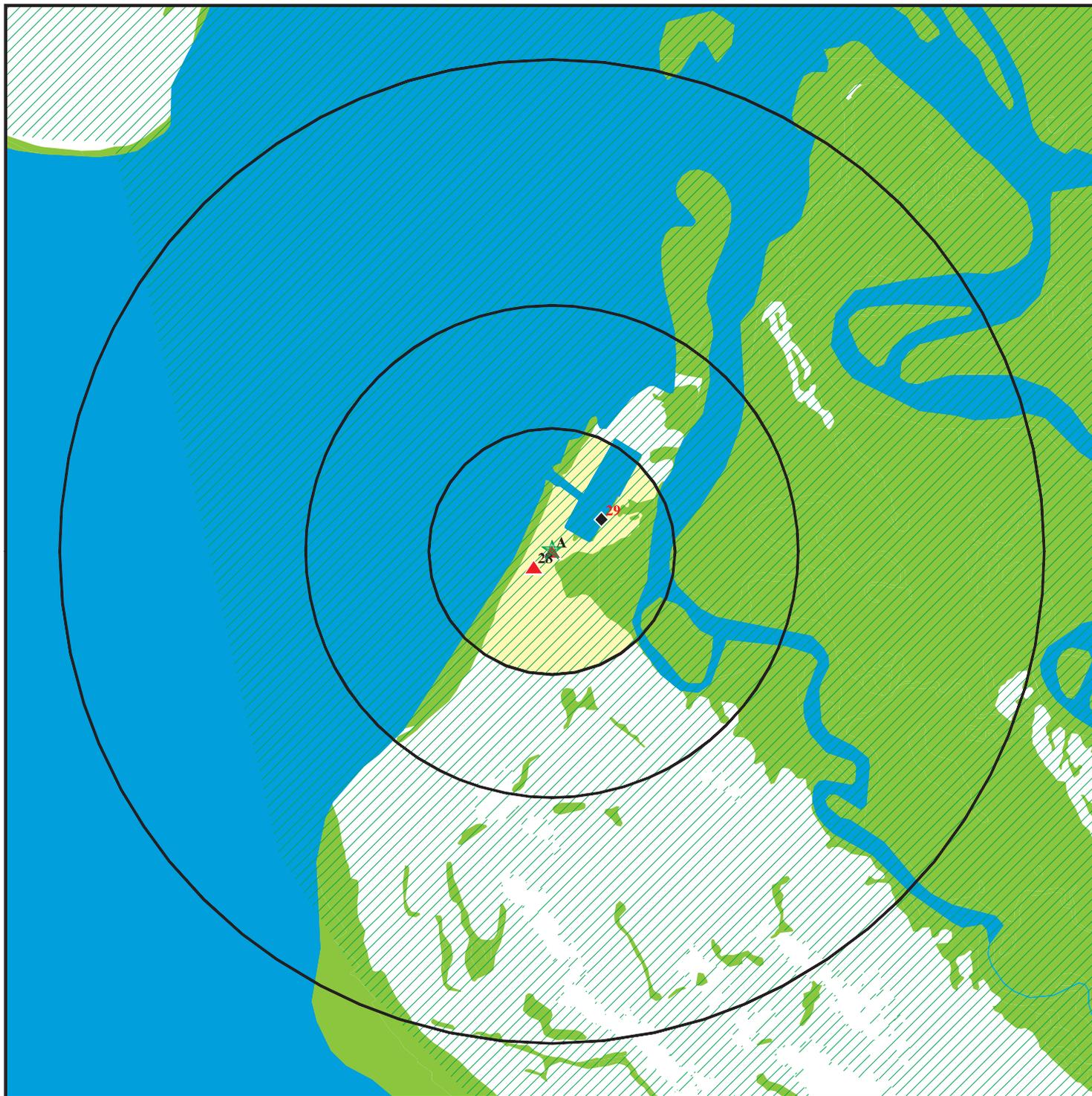
site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BALDHEAD ISLAND DRED Facility Id: 16625	WHALEBONE CIRCLE, BA	SW 0 - 1/8 (0.049 mi.)	28	101

## EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 5524295.2S



- ★ 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

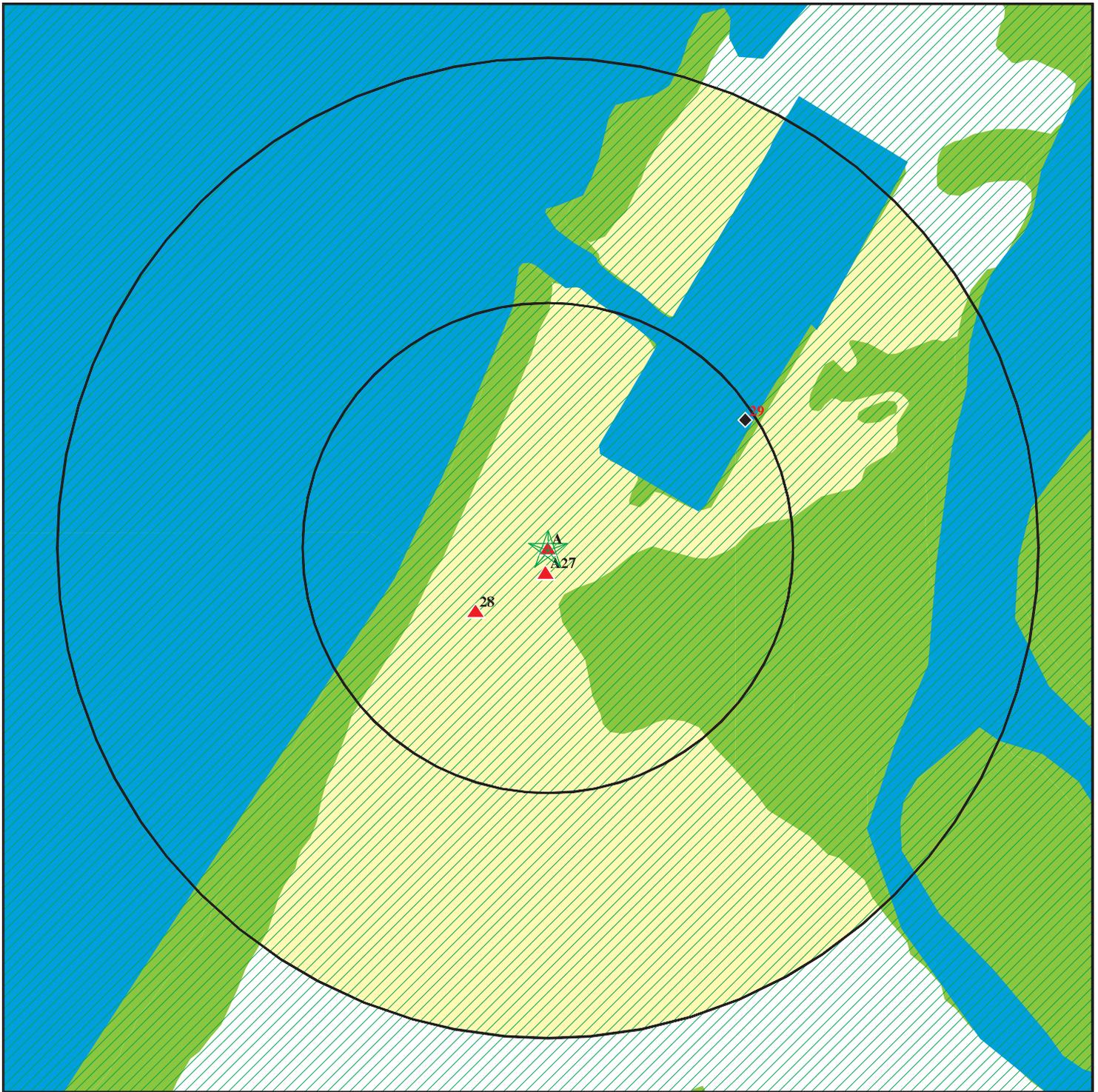
- 0 1/4 1/2 1 Miles
- ☒ Indian Reservations BIA
- ☒ 100-year flood zone
- ☒ 500-year flood zone
- ☒ National Wetland Inventory
- ☒ State Wetlands
- ☒ Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bald Head Island - Ferry Terminal  
 ADDRESS: Marina Wynd  
 Southport NC 28461  
 LAT/LONG: 33.875264 / 78.001661

CLIENT: S&ME  
 CONTACT: Claudia Irvin  
 INQUIRY #: 5524295.2s  
 DATE: January 04, 2019 9:58 am

# DETAIL MAP - 5524295.2S



- ★ 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
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ▨ Hazardous Substance Disposal Sites



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bald Head Island - Ferry Terminal  
 ADDRESS: Marina Wynd  
 Southport NC 28461  
 LAT/LONG: 33.875264 / 78.001661

CLIENT: S&ME  
 CONTACT: Claudia Irvin  
 INQUIRY #: 5524295.2s  
 DATE: January 04, 2019 10:01 am

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP	23	NR	NR	NR	NR	NR	23
<b><i>State- and tribal - equivalent NPL</i></b>								
NC HSDS	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
OLI	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		1	0	0	NR	NR	1

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LAST	0.500		1	0	0	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	0	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
INST CONTROL	0.500		0	0	0	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
IMD	0.500		1	0	0	NR	NR	1
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
NPDES	TP	2	NR	NR	NR	NR	NR	2
UIC	TP		NR	NR	NR	NR	NR	0
AOP	TP		NR	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		26	3	0	0	0	0	29

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)  
EDR ID Number  
EPA ID Number

**A1**  
**Target** #6A MARINA WYND  
**Property** BALD HEAD ISLAND, NC 28461

**ERNS** 2017195419  
N/A

**Site 1 of 27 in cluster A**

**Actual:**  
**7 ft.**

Incident Commons:  
NRC Report #: 1195419  
Description of Incident: CALLER IS REPORTING THE DISCOVERY OF A MYSTERY SHEEN ON THE CAPE FEAR RIVER FROM AN UNKNOWN SOURCE.  
Type of Incident: UNKNOWN SHEEN  
Incident Cause: UNKNOWN  
Incident Date Time: 2017-11-07 07:30:00  
Incident DTG: DISCOVERED  
Incident Location: UNKNOWN SHEEN INCIDENT  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: N

Incidents:  
NRC Report #: 1195419  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported  
Type of Fuel: Not reported  
NPDES: Not reported  
NPDES Compliance: U  
Pipeline Type: Not reported  
DOT Regulated: U

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2017195419

Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2017195419

Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:

NRC Report #: 1195419  
Fire Involved: N  
Fire Extinguished: U  
Any Evacuations: N  
Number Evacuated: Not reported  
Who Evacuated: Not reported  
Radius of Evacuation: Not reported  
Any Injuries: N  
Number Injured: Not reported  
Number Hospitalized: Not reported  
Any Fatalities: N  
Number Fatalities: Not reported  
Any Damages: N  
Damage Amount: Not reported  
Air Corridor Closed: N  
Air Corridor Desc: Not reported  
Air Closure Time: Not reported  
Waterway Closed: N  
Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N  
Track Closed: N  
Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: UNKNOWN  
Medium Desc: WATER  
Additional Medium Info: / CAPE FEAR RIVER  
Body of Water: CAPE FEAR RIVER  
Tributary of: Not reported  
Release Secured: U  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: MADE NOTIFICATION.  
State Agency on Scene: Not reported  
State Agency Report Number: Not reported  
Other Agency Notified: Not reported  
Weather Conditions: PARTLY CLOUDY  
Air Temperature: 67  
Wind Speed: Not reported  
Wind Direction: Not reported  
Water Supply Contaminated: U  
Sheen Size: Not reported  
Sheen Color: RAINBOW  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2017195419

Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: Not reported  
Wind Speed Unit: Not reported  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: Not reported  
State Agency Notified: PD  
Federal Agency Notified: Not reported  
nearest River Mile Marker: Not reported  
Sheen Size Length: 100  
Sheen Size Length Units: FEET  
Sheen Size Width: 70  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:

NRC Report #: 1195419  
Site ID: 20171195419  
Date Time Received: 2017-11-07 08:24:48  
Date Time Complete: 2017-11-07 08:27:43  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: UNKNOWN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: Not reported  
Source: TELEPHONE

Material Involved:

NRC Report #: 1195419  
Chris Code: OUN  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: UNKNOWN OIL  
If Reached Water: YES  
Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A2**  
**Target** #6A MARINA WYND  
**Property** BALD HEAD ISLAND, NC 28461

**ERNS** 2017200411  
N/A

Site 2 of 27 in cluster A

**Actual:**  
7 ft.

**A3** BALD HEAD ISLAND LANDING FORMERLY FERRY DEPOT LAND  
**Target** 6 MARINA WYND  
**Property** BALD HEAD ISL, NC

**NPDES** S117931585  
N/A

Site 3 of 27 in cluster A

**Actual:**  
7 ft.

NPDES:  
Permit Number: SW8940918  
Permit Status: Active  
Permit Type: State Stormwater  
Issue Date: 10/31/1994  
Region: Wilmington  
Owner Name: Not reported  
Class: Not reported  
Applied: Not reported  
Drafted: Not reported  
Expires: 02/28/2022  
Subbasin: Not reported  
Receiving Stream: Not reported  
Comments: Not reported  
As-Built Flow (GPD): Not reported  
Domestic %: Not reported  
Industrial %: Not reported  
stormwtr %: Not reported  
Permitted Flow (GPD): Not reported  
Program Category: Not reported  
Project Type: Not reported  
Is Major Permit: Not reported  
Date Assigned: Not reported  
Organization Name: Not reported  
Outfall: Not reported  
Discharge Via: Not reported  
Stream Classification: Not reported  
Regulated Activity: State Stormwater - HD - Infiltration  
Owner Type: Not reported  
Effective Date: 03/31/2015  
Basin Name: Not reported

**A4**  
**Target** #6A MARINA WYND  
**Property** BALD HEAD ISLAND, NC 28461

**ERNS** 2006818709  
N/A

Site 4 of 27 in cluster A

**Actual:**  
7 ft.

Incident Commons:  
NRC Report #: 818709  
Description of Incident: CALLER STATED A UNKNOWN SHEEN WAS DISCOVERED AT BALD HEAD ISLAND MARINA FROM UNKNOWN SOURCES.  
Type of Incident: UNKNOWN SHEEN  
Incident Cause: UNKNOWN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006818709

Incident Date Time: 2006-11-20 15:25:00  
Incident DTG: DISCOVERED  
Incident Location: UNKNOWN SHEEN INCIDENT  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: N

Incidents:

NRC Report #: 818709  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported  
Type of Fuel: Not reported  
NPDES: Not reported  
NPDES Compliance: U  
Pipeline Type: Not reported  
DOT Regulated: U  
Pipeline Above Ground: ABOVE  
Exposed Underwater: N  
Pipeline Covered: U  
Railroad Hotline: Not reported  
Grade Crossing: U  
Location Subdivision: Not reported  
Railroad Milepost: Not reported  
Type Vehicle Involved: Not reported  
Crossing Device Type: Not reported  
Device Operational: Y

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006818709

DOT Crossing Number: Not reported  
Brake Failure: U  
Description of Tank: Not reported  
Tank Above Ground: ABOVE  
Transportable Container: U  
Tank Regulated: U  
Tank Regulated By: Not reported  
Tank ID: Not reported  
Capacity of Tank: Not reported  
Capacity of Tank Units: Not reported  
Actual Amount: Not reported  
Actual Amount Units: Not reported  
Platform Rig Name: Not reported  
Platform Letter: Not reported  
Location Area ID: Not reported  
Location Block ID: Not reported  
OCSG Number: Not reported  
OCSP Number: Not reported  
State Lease Number: Not reported  
Pier Dock Number: Not reported  
Berth Slip Number: Not reported  
Continuous Release Type: Not reported  
Initial Continuous Release No: Not reported  
Continuous Release Permit: Not reported  
Allision: U  
Type of Structure: Not reported  
Structure Name: Not reported  
Structure Operational: U  
Airbag Deployed: U  
Date Tiem Normal Service: Not reported  
Service Disruption Time: Not reported  
Service Disruption Units: Not reported  
Transit Bus Flag: Not reported  
CR Begin Date: Not reported  
CR End Date: Not reported  
CR Change Date: Not reported  
FBI Contact: Not reported  
FBI Contact Date Time: Not reported  
Sub Part C Testing Req: XXX  
Conductor Testing: Not reported  
Engineer Testing: Not reported  
Trainman Testing: Not reported  
Yard Foreman Testing: Not reported  
RCL Operator Testing: Not reported  
Brakeman Testing: Not reported  
Train Dispatcher Testing: Not reported  
Signalman Testing: Not reported  
Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:  
NRC Report #: 818709  
Fire Involved: N  
Fire Extinguished: U

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006818709

Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	BALD HEAD ISLAND MARINA
Body of Water:	BALD HEAD ISLAND MARINA
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	NO ACTIONS TAKEN AT THIS TIME.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	55
Wind Speed:	17
Wind Direction:	N
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	N
Wind Speed Unit:	KNTS
Employee Injuries:	Not reported
Passenger Injuries:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006818709

Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: CALLER STATED THEY DO HAVE AN INCOMING TIDE.  
State Agency Notified: NONE  
Federal Agency Notified: NONE  
nearest River Mile Marker: Not reported  
Sheen Size Length: 40  
Sheen Size Length Units: FEET  
Sheen Size Width: 10  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:

NRC Report #: 818709  
Site ID: 2006818709  
Date Time Received: 2006-11-20 15:38:19  
Date Time Complete: 2006-11-20 15:40:56  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: UNKNOWN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: Not reported  
Source: TELEPHONE

Material Involved:

NRC Report #: 818709  
Chris Code: OUN  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: UNKNOWN OIL  
If Reached Water: YES  
Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

A5  
Target  
Property

6A MARINA WYND  
BALD HEAD ISLAND, NC

ERNS 2018215123  
N/A

Site 5 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 1215123  
Description of Incident: CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE AT THE MARINA.  
Type of Incident: UNKNOWN SHEEN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2018215123

Incident Cause: UNKNOWN  
Incident Date Time: 2018-06-13 07:30:00  
Incident DTG: DISCOVERED  
Incident Location: UNKNOWN SHEEN INCIDENT  
Loaction Address: 6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: Not reported  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: N

Incidents:

NRC Report #: 1215123  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported  
Type of Fuel: Not reported  
NPDES: Not reported  
NPDES Compliance: U  
Pipeline Type: Not reported  
DOT Regulated: U  
Pipeline Above Ground: ABOVE  
Exposed Underwater: N  
Pipeline Covered: U  
Railroad Hotline: Not reported  
Grade Crossing: U  
Location Subdivision: Not reported  
Railroad Milepost: Not reported  
Type Vehicle Involved: Not reported  
Crossing Device Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2018215123

Device Operational: U  
DOT Crossing Number: Not reported  
Brake Failure: U  
Description of Tank: Not reported  
Tank Above Ground: ABOVE  
Transportable Container: U  
Tank Regulated: U  
Tank Regulated By: Not reported  
Tank ID: Not reported  
Capacity of Tank: Not reported  
Capacity of Tank Units: Not reported  
Actual Amount: Not reported  
Actual Amount Units: Not reported  
Platform Rig Name: Not reported  
Platform Letter: Not reported  
Location Area ID: Not reported  
Location Block ID: Not reported  
OCSG Number: Not reported  
OCSP Number: Not reported  
State Lease Number: Not reported  
Pier Dock Number: Not reported  
Berth Slip Number: Not reported  
Continuous Release Type: Not reported  
Initial Continuous Release No: Not reported  
Continuous Release Permit: Not reported  
Allision: U  
Type of Structure: Not reported  
Structure Name: Not reported  
Structure Operational: U  
Airbag Deployed: U  
Date Tiem Normal Service: Not reported  
Service Disruption Time: Not reported  
Service Disruption Units: Not reported  
Transit Bus Flag: Not reported  
CR Begin Date: Not reported  
CR End Date: Not reported  
CR Change Date: Not reported  
FBI Contact: Not reported  
FBI Contact Date Time: Not reported  
Sub Part C Testing Req: XXX  
Conductor Testing: Not reported  
Engineer Testing: Not reported  
Trainman Testing: Not reported  
Yard Foreman Testing: Not reported  
RCL Operator Testing: Not reported  
Brakeman Testing: Not reported  
Train Dispatcher Testing: Not reported  
Signalman Testing: Not reported  
Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:  
NRC Report #: 1215123  
Fire Involved: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2018215123

Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	CAPE FEAR RIVER
Body of Water:	CAPE FEAR RIVER
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	Not reported
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	Not reported
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2018215123

Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: SHEEN COVERS 6 ACRES OF THE MARINA.  
State Agency Notified: Not reported  
Federal Agency Notified: Not reported  
nearest River Mile Marker: Not reported  
Sheen Size Length: Not reported  
Sheen Size Length Units: Not reported  
Sheen Size Width: Not reported  
Sheen Size Width Units: Not reported  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:

NRC Report #: 1215123  
Site ID: 20181215123  
Date Time Received: 2018-06-13 08:10:50  
Date Time Complete: 2018-06-13 08:15:32  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: UNKNOWN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: Not reported  
Source: TELEPHONE

Material Involved:

NRC Report #: 1215123  
Chris Code: OUN  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: UNKNOWN OIL  
If Reached Water: YES  
Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A6**  
**Target** #6A MARINA WYND  
**Property** BALD HEAD ISLAND, NC 28461

**ERNS** 2017200370  
N/A

Site 6 of 27 in cluster A

**Actual:**  
7 ft.

**A7** BALD HEAD ISLAND MARINA  
**Target** 6A MARINA WYND  
**Property** BALD HEAD ISLAND, NC 28461

**UST** U004139660  
N/A

Site 7 of 27 in cluster A

**Actual:**  
7 ft.

UST:  
Facility Id: 00-0-0000021446  
Contact: BALD HEAD ISLAND LIMITED LLC  
Contact Address1: PO BOX 3069  
Contact Address2: Not reported  
Contact City/State/Zip: BALD HEAD ISLAND, NC 28461-3069  
FIPS County Desc: Brunswick  
Latitude: 33.87551  
Longitude: -78.00108

Tank Id: 1  
Tank Status: Abandoned  
Installed Date: 08/29/1986  
Perm Close Date: 01/31/2007  
Product Name: Diesel  
Tank Capacity: 10000  
Root Tank Id: Not reported  
Main Tank: No  
Compartment Tank: No  
Manifold Tank: 0  
Commercial: Yes  
Regulated: Yes  
Other CP Tank: Not reported  
Overfill Protection Name: Overfill Alarm  
Spill Protection Name: Catchment Basin  
Leak Detection Name: MLLD  
Decode for TCONS\_KEY: Single Wall Steel/FRP  
Decode for PCONS\_KEY: Unknown  
Decode for PSYS\_KEY: Unknown

Tank Id: 2  
Tank Status: Abandoned  
Installed Date: 08/29/1986  
Perm Close Date: 01/31/2007  
Product Name: Gasoline, Gas Mix  
Tank Capacity: 10000  
Root Tank Id: Not reported  
Main Tank: No  
Compartment Tank: No  
Manifold Tank: 0  
Commercial: Yes  
Regulated: Yes  
Other CP Tank: Not reported  
Overfill Protection Name: Ball Float Valve

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BALD HEAD ISLAND MARINA (Continued)**

**U004139660**

Spill Protection Name: Catchment Basin  
Leak Detection Name: MLLD  
Decode for TCONS\_KEY: Single Wall Steel/FRP  
Decode for PCONS\_KEY: Unknown  
Decode for PSYS\_KEY: Unknown

Tank Id: A1  
Tank Status: Current  
Installed Date: 01/10/2007  
Perm Close Date: Not reported  
Product Name: Diesel  
Tank Capacity: 12000  
Root Tank Id: Not reported  
Main Tank: No  
Compartment Tank: No  
Manifold Tank: 0  
Commercial: Yes  
Regulated: Yes  
Other CP Tank: Not reported  
Overfill Protection Name: Auto Shutoff Device  
Spill Protection Name: Catchment Basin  
Leak Detection Name: Not reported  
Decode for TCONS\_KEY: Double Wall FRP  
Decode for PCONS\_KEY: Other  
Decode for PSYS\_KEY: Pressurized System

Tank Id: A2  
Tank Status: Current  
Installed Date: 01/10/2007  
Perm Close Date: Not reported  
Product Name: Gasoline, Gas Mix  
Tank Capacity: 8000  
Root Tank Id: Not reported  
Main Tank: No  
Compartment Tank: No  
Manifold Tank: 0  
Commercial: Yes  
Regulated: Yes  
Other CP Tank: Not reported  
Overfill Protection Name: Auto Shutoff Device  
Spill Protection Name: Catchment Basin  
Leak Detection Name: Not reported  
Decode for TCONS\_KEY: Double Wall FRP  
Decode for PCONS\_KEY: Other  
Decode for PSYS\_KEY: Pressurized System

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**A8**  
**Target** #6A MARINA WYND  
**Property** BALD HEAD ISLAND, NC 28461

**ERNS** 2015122419  
N/A

**Site 8 of 27 in cluster A**

**Actual:**  
**7 ft.**

Incident Commons:  
NRC Report #: 1122419  
Description of Incident: CALLER IS REPORTING A RELEASE OF DIESEL INTO THE CAPE FEAR RIVER FROM A VESSEL DUE TO EQUIPMENT FAILURE.  
Type of Incident: VESSEL  
Incident Cause: EQUIPMENT FAILURE  
Incident Date Time: 2015-07-10 16:00:00  
Incident DTG: DISCOVERED  
Incident Location: Not reported  
Loaction Address: #6A MARINA WYND  
Location Street 1: SLIP A3  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: N

Incidents:  
NRC Report #: 1122419  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported  
Type of Fuel: Not reported  
NPDES: Not reported  
NPDES Compliance: U  
Pipeline Type: Not reported  
DOT Regulated: U

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2015122419

Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2015122419

Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:

NRC Report #: 1122419  
Fire Involved: N  
Fire Extinguished: U  
Any Evacuations: N  
Number Evacuated: Not reported  
Who Evacuated: Not reported  
Radius of Evacuation: Not reported  
Any Injuries: N  
Number Injured: Not reported  
Number Hospitalized: Not reported  
Any Fatalities: N  
Number Fatalities: Not reported  
Any Damages: N  
Damage Amount: Not reported  
Air Corridor Closed: N  
Air Corridor Desc: Not reported  
Air Closure Time: Not reported  
Waterway Closed: N  
Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N  
Track Closed: N  
Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: CAPE FEAR RIVER  
Body of Water: MARINA  
Tributary of: CAPE FEAR RIVER  
Release Secured: Y  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: APPLIED CONTAINMENT BOOM AND APPLIED SORBENT PADS. TRYING TO CONTACT THE OWNER.  
State Agency on Scene: Not reported  
State Agency Report Number: Not reported  
Other Agency Notified: Not reported  
Weather Conditions: SUNNY  
Air Temperature: 90  
Wind Speed: Not reported  
Wind Direction: Not reported  
Water Supply Contaminated: U  
Sheen Size: Not reported  
Sheen Color: SILVERY  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2015122419

Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: Not reported  
Wind Speed Unit: Not reported  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closures Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: Not reported  
State Agency Notified: Not reported  
Federal Agency Notified: Not reported  
nearest River Mile Marker: Not reported  
Sheen Size Length: 30  
Sheen Size Length Units: FEET  
Sheen Size Width: 3  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:

NRC Report #: 1122419  
Site ID: 20151122419  
Date Time Received: 2015-07-10 17:31:37  
Date Time Complete: 2015-07-10 17:43:40  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: UNKNOWN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: Not reported  
Source: TELEPHONE

Vessels Detail:

Site ID: 20151122419  
Vessel Name: SING FLING- OCEAN YACHT  
Vessel Type: PLEASURE CRAFT  
Vessel Number: Not reported  
Vessel Length: 38  
Hull Construction: FIBERGLASS HULL  
Fuel Capacity: Not reported  
Fuel on Board: Not reported  
Cargo Capacity: Not reported  
Cargo on Board: Not reported  
Is Vessel Aground: N

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**2015122419**

Flag: Not reported  
 Breadth: Not reported  
 Draught: Not reported  
 Fuel Capacity Units: Not reported  
 Fuel on Board Units: Not reported  
 Cargo Capacity Units: Not reported  
 Cargo on Board Units: Not reported

Material Involved:  
 NRC Report #: 1122419  
 Chris Code: ODS  
 Case Number: 000000-00-0  
 UN Number: Not reported  
 Amount of Material: 2  
 Unit of Measure: QUART(S)  
 Name of Material: OIL: DIESEL  
 If Reached Water: YES  
 Amount in Water: 2  
 Unit of Measure Reach Water: QUART(S)

**A9**  
**Target**  
**Property**

**#6A MARINA WYND**  
**BALD HEAD ISLAND, NC 28461**

**ERNS 2014095235**  
**N/A**

**Site 9 of 27 in cluster A**

**Actual:**  
**7 ft.**

Incident Commons:  
 NRC Report #: 1095235  
 Description of Incident: CALLER IS REPORTING A SHEEN IN THE MARINA POTENTIALLY COMING FROM ONE OF THE VESSELS. THE MARINA IS ATTEMPTING TO IDENTIFY WHICH VESSEL IT MAY BE COMING FROM, IF ANY.  
 Type of Incident: UNKNOWN SHEEN  
 Incident Cause: UNKNOWN  
 Incident Date Time: 2014-09-13 15:30:00  
 Incident DTG: DISCOVERED  
 Incident Location: BALD HEAD ISLAND MARINA  
 Location Address: #6A MARINA WYND  
 Location Street 1: Not reported  
 Location Street 2: Not reported  
 Location Nearest City: BALD HEAD ISLAND  
 Location State: NC  
 Location County: BRUNSWICK  
 Location Zip: 28461  
 Distance From City: Not reported  
 Distance Units: Not reported  
 Direction From City: Not reported  
 Lat Deg: Not reported  
 Lat Min: Not reported  
 Lat Sec: Not reported  
 Lat Quad: Not reported  
 Long Deg: Not reported  
 Long Min: Not reported  
 Long Sec: Not reported  
 Long Quad: Not reported  
 Location Section: Not reported  
 Location Township: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2014095235

Location range: Not reported  
Potential Range: N  
Incidents:  
NRC Report #: 1095235  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported  
Type of Fuel: Not reported  
NPDES: Not reported  
NPDES Compliance: U  
Pipeline Type: Not reported  
DOT Regulated: U  
Pipeline Above Ground: ABOVE  
Exposed Underwater: N  
Pipeline Covered: U  
Railroad Hotline: Not reported  
Grade Crossing: U  
Location Subdivision: Not reported  
Railroad Milepost: Not reported  
Type Vehicle Involved: Not reported  
Crossing Device Type: Not reported  
Device Operational: U  
DOT Crossing Number: Not reported  
Brake Failure: U  
Description of Tank: Not reported  
Tank Above Ground: ABOVE  
Transportable Container: U  
Tank Regulated: U  
Tank Regulated By: Not reported  
Tank ID: Not reported  
Capacity of Tank: Not reported  
Capacity of Tank Units: Not reported  
Actual Amount: Not reported  
Actual Amount Units: Not reported  
Platform Rig Name: Not reported  
Platform Letter: Not reported  
Location Area ID: Not reported  
Location Block ID: Not reported  
OCSG Number: Not reported  
OCSP Number: Not reported  
State Lease Number: Not reported  
Pier Dock Number: Not reported  
Berth Slip Number: F11  
Continuous Release Type: Not reported  
Initial Continuous Release No: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2014095235

Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1095235
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2014095235

Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: UNKNOWN  
Medium Desc: WATER  
Additional Medium Info: CAPE FEAR RIVER  
Body of Water: CAPE FEAR RIVER  
Tributary of: Not reported  
Release Secured: U  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: SORBENT PADS AND BOOMS ARE BEING USED.  
State Agency on Scene: Not reported  
State Agency Report Number: Not reported  
Other Agency Notified: Not reported  
Weather Conditions: PARTLY CLOUDY  
Air Temperature: 85  
Wind Speed: Not reported  
Wind Direction: SW  
Water Supply Contaminated: N  
Sheen Size: Not reported  
Sheen Color: RAINBOW  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: DIESEL  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: Not reported  
Wind Speed Unit: Not reported  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: Not reported  
State Agency Notified: Not reported  
Federal Agency Notified: Not reported  
nearest River Mile Marker: 13A  
Sheen Size Length: 200  
Sheen Size Length Units: FEET  
Sheen Size Width: Not reported  
Sheen Size Width Units: Not reported  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:

NRC Report #: 1095235  
Site ID: 20141095235  
Date Time Received: 2014-09-13 15:41:37

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2014095235

Date Time Complete: 2014-09-13 15:56:45  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: UNKNOWN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: Not reported  
Source: TELEPHONE

Material Involved:  
NRC Report #: 1095235  
Chris Code: OUN  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: UNKNOWN OIL  
If Reached Water: YES  
Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

A10  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS 2012027886  
N/A

Site 10 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 1027886  
Description of Incident: THE CALLER REPORTED THAT WHILE FUELING, THE PUMP WAS LEFT UNATTENDED AND THE VESSEL WAS OVERFILLED.  
Type of Incident: VESSEL  
Incident Cause: OPERATOR ERROR  
Incident Date Time: 2012-10-20 15:45:00  
Incident DTG: OCCURRED  
Incident Location: Not reported  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2012027886

Location Township: Not reported  
Location range: Not reported  
Potential Range: N

Incidents:

NRC Report #: 1027886  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported  
Type of Fuel: Not reported  
NPDES: Not reported  
NPDES Compliance: U  
Pipeline Type: Not reported  
DOT Regulated: U  
Pipeline Above Ground: ABOVE  
Exposed Underwater: N  
Pipeline Covered: U  
Railroad Hotline: Not reported  
Grade Crossing: U  
Location Subdivision: Not reported  
Railroad Milepost: Not reported  
Type Vehicle Involved: Not reported  
Crossing Device Type: Not reported  
Device Operational: U  
DOT Crossing Number: Not reported  
Brake Failure: U  
Description of Tank: Not reported  
Tank Above Ground: ABOVE  
Transportable Container: U  
Tank Regulated: U  
Tank Regulated By: Not reported  
Tank ID: Not reported  
Capacity of Tank: Not reported  
Capacity of Tank Units: Not reported  
Actual Amount: Not reported  
Actual Amount Units: Not reported  
Platform Rig Name: Not reported  
Platform Letter: Not reported  
Location Area ID: Not reported  
Location Block ID: Not reported  
OCSG Number: Not reported  
OCSF Number: Not reported  
State Lease Number: Not reported  
Pier Dock Number: Not reported  
Berth Slip Number: Not reported  
Continuous Release Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2012027886

Initial Continuous Release No: Not reported  
Continuous Release Permit: Not reported  
Allision: N  
Type of Structure: Not reported  
Structure Name: Not reported  
Structure Operational: U  
Airbag Deployed: U  
Date Tiem Normal Service: Not reported  
Service Disruption Time: Not reported  
Service Disruption Units: Not reported  
Transit Bus Flag: Not reported  
CR Begin Date: Not reported  
CR End Date: Not reported  
CR Change Date: Not reported  
FBI Contact: Not reported  
FBI Contact Date Time: Not reported  
Sub Part C Testing Req: XXX  
Conductor Testing: Not reported  
Engineer Testing: Not reported  
Trainman Testing: Not reported  
Yard Foreman Testing: Not reported  
RCL Operator Testing: Not reported  
Brakeman Testing: Not reported  
Train Dispatcher Testing: Not reported  
Signalman Testing: Not reported  
Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:

NRC Report #: 1027886  
Fire Involved: N  
Fire Extinguished: U  
Any Evacuations: N  
Number Evacuated: Not reported  
Who Evacuated: Not reported  
Radius of Evacuation: Not reported  
Any Injuries: N  
Number Injured: Not reported  
Number Hospitalized: Not reported  
Any Fatalities: N  
Number Fatalities: Not reported  
Any Damages: N  
Damage Amount: Not reported  
Air Corridor Closed: N  
Air Corridor Desc: Not reported  
Air Closure Time: Not reported  
Waterway Closed: N  
Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2012027886

Track Closed: N  
Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: CAPE FEAR RIVER  
Body of Water: CAPE FEAR RIVER  
Tributary of: MOUTH OF ATLANTIC OCEAN  
Release Secured: Y  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: ABSORBENTS DEPLOYED  
State Agency on Scene: Not reported  
State Agency Report Number: Not reported  
Other Agency Notified: Not reported  
Weather Conditions: CLEAR  
Air Temperature: Not reported  
Wind Speed: 8  
Wind Direction: SW  
Water Supply Contaminated: U  
Sheen Size: Not reported  
Sheen Color: RAINBOW  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: 0 CALM  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: Not reported  
Wind Speed Unit: KNTS  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: Not reported  
State Agency Notified: Not reported  
Federal Agency Notified: Not reported  
nearest River Mile Marker: Not reported  
Sheen Size Length: 50  
Sheen Size Length Units: FEET  
Sheen Size Width: 20  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:  
NRC Report #: 1027886  
Site ID: 20121027886

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2012027886

Date Time Received: 2012-10-20 16:17:20  
Date Time Complete: 2012-10-20 16:22:06  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: PRIVATE CITIZEN  
Responsible City: WARWICK  
Responsible State: RI  
Responsible Zip: Not reported  
On Behalf: Not reported  
Source: TELEPHONE

Vessels Detail:

Site ID: 20121027886  
Vessel Name: SOMETHING FISHY  
Vessel Type: PLEASURE CRAFT  
Vessel Number: Not reported  
Vessel Length: 39  
Hull Construction: Not reported  
Fuel Capacity: Not reported  
Fuel on Board: Not reported  
Cargo Capacity: Not reported  
Cargo on Board: Not reported  
Is Vessel Aground: N  
Flag: Not reported  
Breadth: Not reported  
Draught: Not reported  
Fuel Capacity Units: Not reported  
Fuel on Board Units: Not reported  
Cargo Capacity Units: Not reported  
Cargo on Board Units: Not reported

Material Involved:

NRC Report #: 1027886  
Chris Code: ODS  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: OIL: DIESEL  
If Reached Water: YES  
Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

A11  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS 2012022433  
N/A

Site 11 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 1022433  
Description of Incident: CALLER STATED A SMALL SHEEN WAS NOTICED BY A DREDGER. AFTER INVESTIGATION IT WAS DETERMINED THAT TWO TABLE SPOONS OF VEGETABLE BASED HYDRAULIC FLUID HAD BEEN DISCHARGED FROM A HYDRAULIC LINE ON THE DREDGE INTO THE CAPE FEAR RIVER.  
Type of Incident: VESSEL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2012022433

Incident Cause: EQUIPMENT FAILURE  
Incident Date Time: 2012-08-28 11:30:00  
Incident DTG: DISCOVERED  
Incident Location: Not reported  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: N

Incidents:

NRC Report #: 1022433  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported  
Type of Fuel: Not reported  
NPDES: Not reported  
NPDES Compliance: U  
Pipeline Type: Not reported  
DOT Regulated: U  
Pipeline Above Ground: ABOVE  
Exposed Underwater: N  
Pipeline Covered: U  
Railroad Hotline: Not reported  
Grade Crossing: U  
Location Subdivision: Not reported  
Railroad Milepost: Not reported  
Type Vehicle Involved: Not reported  
Crossing Device Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2012022433

Device Operational: U  
DOT Crossing Number: Not reported  
Brake Failure: U  
Description of Tank: Not reported  
Tank Above Ground: ABOVE  
Transportable Container: U  
Tank Regulated: U  
Tank Regulated By: Not reported  
Tank ID: Not reported  
Capacity of Tank: Not reported  
Capacity of Tank Units: Not reported  
Actual Amount: Not reported  
Actual Amount Units: Not reported  
Platform Rig Name: Not reported  
Platform Letter: Not reported  
Location Area ID: Not reported  
Location Block ID: Not reported  
OCSG Number: Not reported  
OCSP Number: Not reported  
State Lease Number: Not reported  
Pier Dock Number: Not reported  
Berth Slip Number: Not reported  
Continuous Release Type: Not reported  
Initial Continuous Release No: Not reported  
Continuous Release Permit: Not reported  
Allision: U  
Type of Structure: Not reported  
Structure Name: Not reported  
Structure Operational: U  
Airbag Deployed: U  
Date Tiem Normal Service: Not reported  
Service Disruption Time: Not reported  
Service Disruption Units: Not reported  
Transit Bus Flag: Not reported  
CR Begin Date: Not reported  
CR End Date: Not reported  
CR Change Date: Not reported  
FBI Contact: Not reported  
FBI Contact Date Time: Not reported  
Sub Part C Testing Req: XXX  
Conductor Testing: Not reported  
Engineer Testing: Not reported  
Trainman Testing: Not reported  
Yard Foreman Testing: Not reported  
RCL Operator Testing: Not reported  
Brakeman Testing: Not reported  
Train Dispatcher Testing: Not reported  
Signalman Testing: Not reported  
Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:  
NRC Report #: 1022433  
Fire Involved: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2012022433

Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	CAPE FEAR RIVER
Body of Water:	CAPE FEAR RIVER
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	SORBENTS AND BOOM DEPLOYED
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	Not reported
Wind Speed:	1
Wind Direction:	S
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	UNKNOWN
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	KNTS
Employee Injuries:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2012022433

Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: Not reported  
State Agency Notified: Not reported  
Federal Agency Notified: Not reported  
nearest River Mile Marker: Not reported  
Sheen Size Length: 10  
Sheen Size Length Units: FEET  
Sheen Size Width: 10  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:

NRC Report #: 1022433  
Site ID: 20121022433  
Date Time Received: 2012-08-28 12:32:35  
Date Time Complete: 2012-08-28 12:42:07  
Call Type: INC  
Responsible Company: GNG DREDGING  
Responsible Org Type: PRIVATE ENTERPRISE  
Responsible City: SHALLOTTE  
Responsible State: NC  
Responsible Zip: Not reported  
On Behalf: Not reported  
Source: TELEPHONE

Vessels Detail:

Site ID: 20121022433  
Vessel Name: HENRY LEE  
Vessel Type: OTHER  
Vessel Number: Not reported  
Vessel Length: Not reported  
Hull Construction: Not reported  
Fuel Capacity: Not reported  
Fuel on Board: Not reported  
Cargo Capacity: Not reported  
Cargo on Board: Not reported  
Is Vessel Aground: N  
Flag: Not reported  
Breadth: Not reported  
Draught: Not reported  
Fuel Capacity Units: Not reported  
Fuel on Board Units: Not reported  
Cargo Capacity Units: Not reported  
Cargo on Board Units: Not reported

Material Involved:

NRC Report #: 1022433

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2012022433

Chris Code: OHY  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 2  
Unit of Measure: PINT(S)  
Name of Material: HYDRAULIC OIL  
If Reached Water: YES  
Amount in Water: 2  
Unit of Measure Reach Water: PINT(S)

A12  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS 2011977657  
N/A

Site 12 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 977657  
Description of Incident: CALLER STATED THAT THERE IS AN UNKNOWN SHEEN IN THE WATER, THE CAUSE IS UNKNOWN.  
Type of Incident: UNKNOWN SHEEN  
Incident Cause: UNKNOWN  
Incident Date Time: 2011-05-28 12:30:00  
Incident DTG: DISCOVERED  
Incident Location: UNKNOWN SHEEN INCIDENT  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: N

Incidents:  
NRC Report #: 977657  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2011977657

Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2011977657

CR End Date: Not reported  
CR Change Date: Not reported  
FBI Contact: Not reported  
FBI Contact Date Time: Not reported  
Sub Part C Testing Req: XXX  
Conductor Testing: Not reported  
Engineer Testing: Not reported  
Trainman Testing: Not reported  
Yard Foreman Testing: Not reported  
RCL Operator Testing: Not reported  
Brakeman Testing: Not reported  
Train Dispatcher Testing: Not reported  
Signalman Testing: Not reported  
Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:

NRC Report #: 977657  
Fire Involved: N  
Fire Extinguished: U  
Any Evacuations: N  
Number Evacuated: Not reported  
Who Evacuated: Not reported  
Radius of Evacuation: Not reported  
Any Injuries: N  
Number Injured: Not reported  
Number Hospitalized: Not reported  
Any Fatalities: N  
Number Fatalities: Not reported  
Any Damages: N  
Damage Amount: Not reported  
Air Corridor Closed: N  
Air Corridor Desc: Not reported  
Air Closure Time: Not reported  
Waterway Closed: N  
Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N  
Track Closed: N  
Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: CAPE FEAR RIVER  
Body of Water: CAPE FEAR RIVER  
Tributary of: ATLANTIC OCEAN  
Release Secured: U  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: ABSORBENTS APPLIED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2011977657

State Agency on Scene: NONE  
State Agency Report Number: NONE  
Other Agency Notified: Not reported  
Weather Conditions: PARTLY CLOUDY  
Air Temperature: 84  
Wind Speed: 5  
Wind Direction: SE  
Water Supply Contaminated: U  
Sheen Size: Not reported  
Sheen Color: BARELY DISCERNIBLE  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: Not reported  
Wind Speed Unit: KNTS  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: CALLER HAD NO ADDITIONAL INFORMATION.  
State Agency Notified: NONE  
Federal Agency Notified: NONE  
nearest River Mile Marker: Not reported  
Sheen Size Length: 40  
Sheen Size Length Units: FEET  
Sheen Size Width: 20  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:

NRC Report #: 977657  
Site ID: 2011977657  
Date Time Received: 2011-05-28 13:10:16  
Date Time Complete: 2011-05-28 13:14:47  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: UNKNOWN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: Not reported  
Source: TELEPHONE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2011977657

Material Involved:  
NRC Report #: 977657  
Chris Code: OUN  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: UNKNOWN OIL  
If Reached Water: YES  
Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

A13  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS 2009901243  
N/A

Site 13 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 901243  
Description of Incident: CALLER REPORTED AN UNKNOWN SHEEN COMING FROM AN UNKNOWN SOURCE.  
Type of Incident: UNKNOWN SHEEN  
Incident Cause: UNKNOWN  
Incident Date Time: 2009-03-29 11:00:00  
Incident DTG: DISCOVERED  
Incident Location: UNKNOWN SHEEN INCIDENT  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: N

Incidents:  
NRC Report #: 901243  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2009901243

Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported  
Type of Fuel: Not reported  
NPDES: Not reported  
NPDES Compliance: U  
Pipeline Type: Not reported  
DOT Regulated: U  
Pipeline Above Ground: ABOVE  
Exposed Underwater: N  
Pipeline Covered: U  
Railroad Hotline: Not reported  
Grade Crossing: U  
Location Subdivision: Not reported  
Railroad Milepost: Not reported  
Type Vehicle Involved: Not reported  
Crossing Device Type: Not reported  
Device Operational: U  
DOT Crossing Number: Not reported  
Brake Failure: U  
Description of Tank: Not reported  
Tank Above Ground: ABOVE  
Transportable Container: U  
Tank Regulated: U  
Tank Regulated By: Not reported  
Tank ID: Not reported  
Capacity of Tank: Not reported  
Capacity of Tank Units: Not reported  
Actual Amount: Not reported  
Actual Amount Units: Not reported  
Platform Rig Name: Not reported  
Platform Letter: Not reported  
Location Area ID: Not reported  
Location Block ID: Not reported  
OCSG Number: Not reported  
OCSP Number: Not reported  
State Lease Number: Not reported  
Pier Dock Number: Not reported  
Berth Slip Number: Not reported  
Continuous Release Type: Not reported  
Initial Continuous Release No: Not reported  
Continuous Release Permit: Not reported  
Allision: U  
Type of Structure: Not reported  
Structure Name: Not reported  
Structure Operational: U  
Airbag Deployed: U  
Date Tiem Normal Service: Not reported  
Service Disruption Time: Not reported  
Service Disruption Units: Not reported  
Transit Bus Flag: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2009901243

CR Begin Date: Not reported  
CR End Date: Not reported  
CR Change Date: Not reported  
FBI Contact: Not reported  
FBI Contact Date Time: Not reported  
Sub Part C Testing Req: XXX  
Conductor Testing: Not reported  
Engineer Testing: Not reported  
Trainman Testing: Not reported  
Yard Foreman Testing: Not reported  
RCL Operator Testing: Not reported  
Brakeman Testing: Not reported  
Train Dispatcher Testing: Not reported  
Signalman Testing: Not reported  
Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:

NRC Report #: 901243  
Fire Involved: N  
Fire Extinguished: U  
Any Evacuations: N  
Number Evacuated: Not reported  
Who Evacuated: Not reported  
Radius of Evacuation: Not reported  
Any Injuries: N  
Number Injured: Not reported  
Number Hospitalized: Not reported  
Any Fatalities: N  
Number Fatalities: Not reported  
Any Damages: N  
Damage Amount: Not reported  
Air Corridor Closed: N  
Air Corridor Desc: Not reported  
Air Closure Time: Not reported  
Waterway Closed: N  
Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N  
Track Closed: N  
Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: CAPE FEAR RIVER  
Body of Water: CAPE FEAR RIVER  
Tributary of: Not reported  
Release Secured: N  
Estimated Duration of Release: Not reported  
Release rate: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2009901243

Desc Remedial Action: ABSORBENTS APPLIED  
State Agency on Scene: NONE  
State Agency Report Number: NONE  
Other Agency Notified: Not reported  
Weather Conditions: SUNNY  
Air Temperature: 70  
Wind Speed: 19  
Wind Direction: Not reported  
Water Supply Contaminated: U  
Sheen Size: Not reported  
Sheen Color: RAINBOW  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: 2 SLIGHT (1 - 3 FT)  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: Not reported  
Wind Speed Unit: KNTS  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: CALLER HAD NO ADDITIONAL INFORMATION.  
State Agency Notified: NONE  
Federal Agency Notified: NONE  
nearest River Mile Marker: Not reported  
Sheen Size Length: 15  
Sheen Size Length Units: FEET  
Sheen Size Width: 5  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:

NRC Report #: 901243  
Site ID: 2009901243  
Date Time Received: 2009-03-29 11:53:35  
Date Time Complete: 2009-03-29 11:57:56  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: UNKNOWN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: N  
Source: TELEPHONE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2009901243

Material Involved:  
NRC Report #: 901243  
Chris Code: OUN  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: UNKNOWN OIL  
If Reached Water: YES  
Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

A14  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS 2005783002  
N/A

Site 14 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 783002  
Description of Incident: CALLER IS REPORTING AN UNKNOWN SHEEN IN THE WATER.  
Type of Incident: UNKNOWN SHEEN  
Incident Cause: UNKNOWN  
Incident Date Time: 2005-12-20 10:30:00  
Incident DTG: DISCOVERED  
Incident Location: UNKNOWN SHEEN INCIDENT  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: Not reported

Incidents:  
NRC Report #: 783002  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005783002

Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	N
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	N
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005783002

CR Begin Date: Not reported  
CR End Date: Not reported  
CR Change Date: Not reported  
FBI Contact: Not reported  
FBI Contact Date Time: Not reported  
Sub Part C Testing Req: XXX  
Conductor Testing: Not reported  
Engineer Testing: Not reported  
Trainman Testing: Not reported  
Yard Foreman Testing: Not reported  
RCL Operator Testing: Not reported  
Brakeman Testing: Not reported  
Train Dispatcher Testing: Not reported  
Signalman Testing: Not reported  
Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:

NRC Report #: 783002  
Fire Involved: N  
Fire Extinguished: U  
Any Evacuations: N  
Number Evacuated: Not reported  
Who Evacuated: Not reported  
Radius of Evacuation: Not reported  
Any Injuries: N  
Number Injured: Not reported  
Number Hospitalized: Not reported  
Any Fatalities: N  
Number Fatalities: Not reported  
Any Damages: N  
Damage Amount: Not reported  
Air Corridor Closed: N  
Air Corridor Desc: Not reported  
Air Closure Time: Not reported  
Waterway Closed: N  
Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N  
Track Closed: N  
Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: CAPE FEAR RIVER  
Body of Water: CAPE FEAR RIVER  
Tributary of: ATLANTIC OCEAN  
Release Secured: U  
Estimated Duration of Release: Not reported  
Release rate: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005783002

Desc Remedial Action: NONE  
State Agency on Scene: Not reported  
State Agency Report Number: Not reported  
Other Agency Notified: Not reported  
Weather Conditions: SUNNY  
Air Temperature: 43  
Wind Speed: 7  
Wind Direction: NNE  
Water Supply Contaminated: N  
Sheen Size: Not reported  
Sheen Color: RAINBOW  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: N  
Wind Speed Unit: KNTS  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: NONE  
State Agency Notified: Not reported  
Federal Agency Notified: Not reported  
nearest River Mile Marker: Not reported  
Sheen Size Length: 120  
Sheen Size Length Units: FEET  
Sheen Size Width: 3  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: UNK

Calls:

NRC Report #: 783002  
Site ID: 2005783002  
Date Time Received: 2005-12-20 11:55:03  
Date Time Complete: 2005-12-20 11:57:09  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: UNKNOWN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: N  
Source: TELEPHONE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005783002

Material Involved:  
NRC Report #: 783002  
Chris Code: OUN  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: UNKNOWN OIL  
If Reached Water: YES  
Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

A15  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS 2006815419  
N/A

Site 15 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 815419  
Description of Incident: CALLER STATED THERE WAS A SPILL OF MATERIALS FROM A PUMP WHILE FUELING A VESSEL DUE TO OPERATOR ERROR.  
Type of Incident: FIXED  
Incident Cause: OPERATOR ERROR  
Incident Date Time: 2006-10-19 18:40:00  
Incident DTG: OCCURRED  
Incident Location: BALD HEAD ISLAND MARINA  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: N  
Incidents:  
NRC Report #: 815419  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006815419

Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	PORT FACILITY
Power Generating Facility:	N
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006815419

Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	815419
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	BALD HEAD ISLAND MARINA
Body of Water:	BALD HEAD ISLAND MARINA
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006815419

Release rate: Not reported  
Desc Remedial Action: CALLER STATED THEY USED A BOOM AND ABSORBENT TO CLEAN UP THE SPILL.  
State Agency on Scene: NONE  
State Agency Report Number: NONE  
Other Agency Notified: Not reported  
Weather Conditions: CLEAR  
Air Temperature: 75  
Wind Speed: Not reported  
Wind Direction: Not reported  
Water Supply Contaminated: U  
Sheen Size: Not reported  
Sheen Color: BARELY DISCERNIBLE  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: N  
Wind Speed Unit: Not reported  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: NO ADDITIONAL INFORMATION.  
State Agency Notified: NONE  
Federal Agency Notified: NONE  
nearest River Mile Marker: Not reported  
Sheen Size Length: 10  
Sheen Size Length Units: FEET  
Sheen Size Width: 10  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:

NRC Report #: 815419  
Site ID: 2006815419  
Date Time Received: 2006-10-19 18:56:46  
Date Time Complete: 2006-10-19 19:08:17  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: PRIVATE CITIZEN  
Responsible City: LAKE PARK  
Responsible State: FL  
Responsible Zip: Not reported  
On Behalf: Not reported  
Source: TELEPHONE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006815419

Material Involved:  
NRC Report #: 815419  
Chris Code: OTD  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0.5  
Unit of Measure: GALLON(S)  
Name of Material: OIL, FUEL: NO. 2-D  
If Reached Water: YES  
Amount in Water: 0.5  
Unit of Measure Reach Water: GALLON(S)

A16  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS 2006805734  
N/A

Site 16 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 805734  
Description of Incident: CALLER STATED THERE WAS A RELEASE OF MATERIALS FROM A PORT SIDE FACILITY DUE THE HOSE ON A FUEL PUMP THAT RUPTURED.  
  
Type of Incident: FIXED  
Incident Cause: EQUIPMENT FAILURE  
Incident Date Time: 2006-07-27 14:25:00  
Incident DTG: OCCURRED  
Incident Location: Not reported  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: Not reported  
  
Incidents:  
NRC Report #: 805734  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006805734

Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	PORT FACILITY
Power Generating Facility:	N
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	N
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	N
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006805734

Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX
Incident Details:	
NRC Report #:	805734
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	MARINA BASIN
Body of Water:	MARINA BASIN
Tributary of:	CAPE FEAR RIVER
Release Secured:	Y
Estimated Duration of Release:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006805734

Release rate: Not reported  
Desc Remedial Action: CALLER STATED THE SPILL IS BETWEEN THE FUEL DOCK AND THE BULKHEAD, CALLER STATED THEY USED FUEL ABSORBENT BOOMS TO CONTAIN AND CLEAN UP THE SPILL.  
  
State Agency on Scene: NONE  
State Agency Report Number: NONE  
Other Agency Notified: Not reported  
Weather Conditions: OVERCAST  
Air Temperature: 93  
Wind Speed: Not reported  
Wind Direction: Not reported  
Water Supply Contaminated: U  
Sheen Size: Not reported  
Sheen Color: RAINBOW  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: N  
Wind Speed Unit: Not reported  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track CLosure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: NO ADDITIONAL INFORMATION.  
State Agency Notified: NONE  
Federal Agency Notified: NONE  
nearest River Mile Marker: Not reported  
Sheen Size Length: 15  
Sheen Size Length Units: FEET  
Sheen Size Width: 1.5  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:  
NRC Report #: 805734  
Site ID: 2006805734  
Date Time Received: 2006-07-27 15:18:41  
Date Time Complete: 2006-07-27 15:24:21  
Call Type: INC  
Responsible Company: BALD HEAD ISLAND MARINA  
Responsible Org Type: PRIVATE ENTERPRISE  
Responsible City: BALD HEAD ISLAND  
Responsible State: NC  
Responsible Zip: 28461

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006805734

On Behalf: Not reported  
Source: TELEPHONE

Material Involved:  
NRC Report #: 805734  
Chris Code: GAS  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 1  
Unit of Measure: QUART(S)  
Name of Material: GASOLINE: AUTOMOTIVE (UNLEADED)  
If Reached Water: YES  
Amount in Water: 1  
Unit of Measure Reach Water: QUART(S)

A17  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS 2006805289  
N/A

Site 17 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 805289  
Description of Incident: CALLER STATED THERE WAS A RELEASE OF MATERIALS FROM HIS PLEASURE VESSEL DUE TO OVER FILLING AT THE FUEL DOCK. CALLER STATED THE MATERIALS VENTED.  
Type of Incident: VESSEL  
Incident Cause: OPERATOR ERROR  
Incident Date Time: 2006-07-24 01:45:00  
Incident DTG: OCCURRED  
Incident Location: FUEL DOCK  
Loaction Address: #6A MARINA WYND  
Location Street 1: CAPE FEAR RIVER  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: Not reported  
Incidents:  
NRC Report #: 805289  
Aircraft Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006805289

Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	N
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	N
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006805289

Airbag Deployed: Not reported  
Date Tiem Normal Service: Not reported  
Service Disruption Time: Not reported  
Service Disruption Units: Not reported  
Transit Bus Flag: Not reported  
CR Begin Date: Not reported  
CR End Date: Not reported  
CR Change Date: Not reported  
FBI Contact: Not reported  
FBI Contact Date Time: Not reported  
Sub Part C Testing Req: XXX  
Conductor Testing: Not reported  
Engineer Testing: Not reported  
Trainman Testing: Not reported  
Yard Foreman Testing: Not reported  
RCL Operator Testing: Not reported  
Brakeman Testing: Not reported  
Train Dispatcher Testing: Not reported  
Signalman Testing: Not reported  
Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:

NRC Report #: 805289  
Fire Involved: N  
Fire Extinguished: U  
Any Evacuations: N  
Number Evacuated: Not reported  
Who Evacuated: Not reported  
Radius of Evacuation: Not reported  
Any Injuries: N  
Number Injured: Not reported  
Number Hospitalized: Not reported  
Any Fatalities: N  
Number Fatalities: Not reported  
Any Damages: N  
Damage Amount: Not reported  
Air Corridor Closed: N  
Air Corridor Desc: Not reported  
Air Closure Time: Not reported  
Waterway Closed: N  
Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N  
Track Closed: N  
Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: CAPE FEAR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006805289

Body of Water: CAPE FEAR  
Tributary of: ATLANTIC OCEAN  
Release Secured: Y  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: CALLER STATED THEY HAVE SORBANT PADS IN THE WATER TO SOAK UP THE RELEASE.  
State Agency on Scene: NONE  
State Agency Report Number: NONE  
Other Agency Notified: Not reported  
Weather Conditions: PARTLY CLOUDY  
Air Temperature: 81  
Wind Speed: Not reported  
Wind Direction: Not reported  
Water Supply Contaminated: U  
Sheen Size: Not reported  
Sheen Color: Not reported  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: N  
Wind Speed Unit: Not reported  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: NO ADDITIONAL INFORMATION.  
State Agency Notified: NONE  
Federal Agency Notified: NONE  
nearest River Mile Marker: Not reported  
Sheen Size Length: 50  
Sheen Size Length Units: FEET  
Sheen Size Width: 30  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:

NRC Report #: 805289  
Site ID: 2006805289  
Date Time Received: 2006-07-24 11:09:12  
Date Time Complete: 2006-07-24 11:17:14  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: PRIVATE CITIZEN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006805289

Responsible City: FORT LAUDERDALE  
Responsible State: FL  
Responsible Zip: 33316  
On Behalf: Not reported  
Source: TELEPHONE

Vessels Detail:

Site ID: 2006805289  
Vessel Name: THE SHAIMAR  
Vessel Type: PLEASURE CRAFT  
Vessel Number: Not reported  
Vessel Length: Not reported  
Hull Construction: Not reported  
Fuel Capacity: Not reported  
Fuel on Board: Not reported  
Cargo Capacity: Not reported  
Cargo on Board: Not reported  
Is Vessel Aground: N  
Flag: Not reported  
Breadth: Not reported  
Draught: Not reported  
Fuel Capacity Units: Not reported  
Fuel on Board Units: Not reported  
Cargo Capacity Units: Not reported  
Cargo on Board Units: Not reported

Material Involved:

NRC Report #: 805289  
Chris Code: OOD  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0.5  
Unit of Measure: CUP(S)  
Name of Material: OIL, FUEL: NO. 1-D  
If Reached Water: YES  
Amount in Water: 0.5  
Unit of Measure Reach Water: CUP(S)

A18  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS 2003647306  
N/A

Site 18 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 647306  
Description of Incident: THE CALLER STATED THAT THERE WAS A DISCHARGE OF MATERIALS FROM THE VENT DUE TO THE TANK BEING OVERFILLED.  
Type of Incident: VESSEL  
Incident Cause: OPERATOR ERROR  
Incident Date Time: 2003-06-09 07:30:00  
Incident DTG: OCCURRED  
Incident Location: FUEL DOCK  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2003647306

Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: Not reported

Incidents:

NRC Report #: 647306  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported  
Type of Fuel: Not reported  
NPDES: Not reported  
NPDES Compliance: U  
Pipeline Type: Not reported  
DOT Regulated: U  
Pipeline Above Ground: ABOVE  
Exposed Underwater: N  
Pipeline Covered: U  
Railroad Hotline: Not reported  
Grade Crossing: N  
Location Subdivision: Not reported  
Railroad Milepost: Not reported  
Type Vehicle Involved: Not reported  
Crossing Device Type: Not reported  
Device Operational: Y  
DOT Crossing Number: Not reported  
Brake Failure: N  
Description of Tank: Not reported  
Tank Above Ground: ABOVE  
Transportable Container: U  
Tank Regulated: U

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2003647306

Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	647306
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2003647306

Number Hospitalized: Not reported  
Any Fatalities: N  
Number Fatalities: Not reported  
Any Damages: N  
Damage Amount: Not reported  
Air Corridor Closed: N  
Air Corridor Desc: Not reported  
Air Closure Time: Not reported  
Waterway Closed: N  
Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N  
Track Closed: N  
Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: CAPE FEAR RIVER  
Body of Water: CAPE FEAR RIVER  
Tributary of: ATLANTIC OCEAN  
Release Secured: Y  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: ABSORBENTS APPLIED/ MATERIAL CONTAINED  
State Agency on Scene: Not reported  
State Agency Report Number: Not reported  
Other Agency Notified: Not reported  
Weather Conditions: PARTLY CLOUDY  
Air Temperature: 77  
Wind Speed: 8  
Wind Direction: NW  
Water Supply Contaminated: N  
Sheen Size: Not reported  
Sheen Color: RAINBOW  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: 0 CALM  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: N  
Wind Speed Unit: KNTS  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: FIRE DEPT WILL BE NOTIFIED.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2003647306

State Agency Notified: Not reported  
Federal Agency Notified: Not reported  
nearest River Mile Marker: GB 13  
Sheen Size Length: 30  
Sheen Size Length Units: FEET  
Sheen Size Width: 2  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: UNK

Calls:

NRC Report #: 647306  
Site ID: 2003647306  
Date Time Received: 2003-06-09 08:50:56  
Date Time Complete: 2003-06-09 08:56:58  
Call Type: INC  
Responsible Company: VESSEL DOWN TIME  
Responsible Org Type: PRIVATE CITIZEN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: Y  
Source: TELEPHONE

Vessels Detail:

Site ID: 2003647306  
Vessel Name: DOWN TIME  
Vessel Type: PLEASURE CRAFT  
Vessel Number: UNKOWN  
Vessel Length: 44  
Hull Construction: FIBERGLASS  
Fuel Capacity: Not reported  
Fuel on Board: Not reported  
Cargo Capacity: Not reported  
Cargo on Board: Not reported  
Is Vessel Aground: N  
Flag: UNITED STATES OF AMERICA  
Breadth: Not reported  
Draught: Not reported  
Fuel Capacity Units: Not reported  
Fuel on Board Units: Not reported  
Cargo Capacity Units: Not reported  
Cargo on Board Units: Not reported

Material Involved:

NRC Report #: 647306  
Chris Code: ODS  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: OIL: DIESEL  
If Reached Water: YES

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2003647306

Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

A19  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS 2004738993  
N/A

Site 19 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 738993  
Description of Incident: THE CALLER IS REPORTING AN UNKNOWN SHEEN  
Type of Incident: UNKNOWN SHEEN  
Incident Cause: UNKNOWN  
Incident Date Time: 2004-10-21 07:30:00  
Incident DTG: DISCOVERED  
Incident Location: UNKNOWN SHEEN INCIDENT  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: Not reported

Incidents:  
NRC Report #: 738993  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2004738993

Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	N
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	N
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2004738993

Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	738993
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	CAPE FEAR RIVER
Body of Water:	CAPE FEAR RIVER
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	DEPLOYED COUNTER MEASURES
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	65
Wind Speed:	12
Wind Direction:	N
Water Supply Contaminated:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2004738993

Sheen Size: Not reported  
Sheen Color: RAINBOW  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: N  
Wind Speed Unit: MPH  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track CLosure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: THE CALLER HAD NO ADDITIONAL INFORMATION  
State Agency Notified: Not reported  
Federal Agency Notified: Not reported  
nearest River Mile Marker: 13  
Sheen Size Length: 100  
Sheen Size Length Units: FEET  
Sheen Size Width: 75  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: UNK

Calls:

NRC Report #: 738993  
Site ID: 2004738993  
Date Time Received: 2004-10-21 08:27:57  
Date Time Complete: 2004-10-21 08:30:24  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: UNKNOWN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: N  
Source: TELEPHONE

Material Involved:

NRC Report #: 738993  
Chris Code: OUN  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: UNKNOWN OIL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2004738993

If Reached Water: YES  
Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

A20  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC 28461

ERNS 2005758491  
N/A

Site 20 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 758491  
Description of Incident: A DIP OCCURRED IN THE BREATHER HOSE ON A VESSEL WHICH CAUSED DIESEL TO RELEASE INTO THE WATER.  
Type of Incident: VESSEL  
Incident Cause: OTHER  
Incident Date Time: 2005-05-12 11:15:00  
Incident DTG: OCCURRED  
Incident Location: AT THE FUELING DOCK  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: Not reported  
Incidents:  
NRC Report #: 758491  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005758491

Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	N
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	N
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005758491

Engineer Testing: Not reported  
Trainman Testing: Not reported  
Yard Foreman Testing: Not reported  
RCL Operator Testing: Not reported  
Brakeman Testing: Not reported  
Train Dispatcher Testing: Not reported  
Signalman Testing: Not reported  
Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:

NRC Report #: 758491  
Fire Involved: N  
Fire Extinguished: U  
Any Evacuations: N  
Number Evacuated: Not reported  
Who Evacuated: Not reported  
Radius of Evacuation: Not reported  
Any Injuries: N  
Number Injured: Not reported  
Number Hospitalized: Not reported  
Any Fatalities: N  
Number Fatalities: Not reported  
Any Damages: N  
Damage Amount: Not reported  
Air Corridor Closed: N  
Air Corridor Desc: Not reported  
Air Closure Time: Not reported  
Waterway Closed: N  
Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N  
Track Closed: N  
Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: CAPE FEAR RIVER  
Body of Water: CAPE FEAR RIVER  
Tributary of: Not reported  
Release Secured: Y  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: DISSIPATE NATURALLY  
State Agency on Scene: Not reported  
State Agency Report Number: Not reported  
Other Agency Notified: Not reported  
Weather Conditions: SUNNY  
Air Temperature: Not reported  
Wind Speed: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005758491

Wind Direction: Not reported  
Water Supply Contaminated: N  
Sheen Size: Not reported  
Sheen Color: RAINBOW  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: N  
Wind Speed Unit: Not reported  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: NONE  
State Agency Notified: Not reported  
Federal Agency Notified: Not reported  
nearest River Mile Marker: Not reported  
Sheen Size Length: 4  
Sheen Size Length Units: FEET  
Sheen Size Width: Not reported  
Sheen Size Width Units: Not reported  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: UNK

Calls:

NRC Report #: 758491  
Site ID: 2005758491  
Date Time Received: 2005-05-12 11:29:30  
Date Time Complete: 2005-05-12 11:34:39  
Call Type: INC  
Responsible Company: BALD HEAD ISLAND MARINA  
Responsible Org Type: PRIVATE ENTERPRISE  
Responsible City: BALD HEAD ISLAND  
Responsible State: NC  
Responsible Zip: 28461  
On Behalf: Y  
Source: TELEPHONE

Vessels Detail:

Site ID: 2005758491  
Vessel Name: STAMPEDE  
Vessel Type: PLEASURE CRAFT  
Vessel Number: UNKNOWN  
Vessel Length: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005758491

Hull Construction: Not reported  
Fuel Capacity: Not reported  
Fuel on Board: Not reported  
Cargo Capacity: Not reported  
Cargo on Board: Not reported  
Is Vessel Aground: N  
Flag: CANADA  
Breadth: Not reported  
Draught: Not reported  
Fuel Capacity Units: Not reported  
Fuel on Board Units: Not reported  
Cargo Capacity Units: Not reported  
Cargo on Board Units: Not reported

Material Involved:  
NRC Report #: 758491  
Chris Code: OTD  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0.5  
Unit of Measure: CUP(S)  
Name of Material: OIL, FUEL: NO. 2-D  
If Reached Water: YES  
Amount in Water: 0.5  
Unit of Measure Reach Water: CUP(S)

A21 HARBOUR VILLAGE MARINA BULKHEAD TREATMENT  
Target MARINA WYND  
Property BALD HEAD ISLAND, NC

NPDES S117931487  
N/A

Site 21 of 27 in cluster A

Actual:  
7 ft.

NPDES:  
Permit Number: SW8940506  
Permit Status: Active  
Permit Type: State Stormwater  
Issue Date: 05/12/1994  
Region: Wilmington  
Owner Name: Not reported  
Class: Not reported  
Applied: Not reported  
Drafted: Not reported  
Expires: Not reported  
Subbasin: Not reported  
Receiving Stream: Not reported  
Comments: Not reported  
As-Built Flow (GPD): Not reported  
Domestic %: Not reported  
Industrial %: Not reported  
stormwtr %: Not reported  
Permitted Flow (GPD): Not reported  
Program Category: Not reported  
Project Type: Not reported  
Is Major Permit: Not reported  
Date Assigned: Not reported  
Organization Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARBOUR VILLAGE MARINA BULKHEAD TREATMENT (Continued)**

**S117931487**

Outfall: Not reported  
Discharge Via: Not reported  
Stream Classification: Not reported  
Regulated Activity: State Stormwater - Exempted  
Owner Type: Not reported  
Effective Date: 05/12/1994  
Basin Name: Not reported

**A22**

**Target  
Property**

**#6A MARINA WYND  
BALD HEAD ISLAND, NC**

**ERNS 2005777770  
N/A**

**Site 22 of 27 in cluster A**

**Actual:  
7 ft.**

Incident Commons: 777770  
NRC Report #: 777770  
Description of Incident: THE CALLER IS REPORTING A GASOLINE SHEEN DISCOVERY IN THE CAPE FEAR RIVER COMING FROM THE BILGE OF A PLEASURE CRAFT.  
Type of Incident: VESSEL  
Incident Cause: EQUIPMENT FAILURE  
Incident Date Time: 2005-10-28 14:30:00  
Incident DTG: DISCOVERED  
Incident Location: Not reported  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: Not reported  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: Not reported

Incidents:  
NRC Report #: 777770  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005777770

Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	N
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	N
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OOSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005777770

FBI Contact Date Time: Not reported  
Sub Part C Testing Req: XXX  
Conductor Testing: Not reported  
Engineer Testing: Not reported  
Trainman Testing: Not reported  
Yard Foreman Testing: Not reported  
RCL Operator Testing: Not reported  
Brakeman Testing: Not reported  
Train Dispatcher Testing: Not reported  
Signalman Testing: Not reported  
Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:

NRC Report #: 777770  
Fire Involved: N  
Fire Extinguished: U  
Any Evacuations: N  
Number Evacuated: Not reported  
Who Evacuated: Not reported  
Radius of Evacuation: Not reported  
Any Injuries: N  
Number Injured: Not reported  
Number Hospitalized: Not reported  
Any Fatalities: N  
Number Fatalities: Not reported  
Any Damages: N  
Damage Amount: Not reported  
Air Corridor Closed: N  
Air Corridor Desc: Not reported  
Air Closure Time: Not reported  
Waterway Closed: N  
Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N  
Track Closed: N  
Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: CAPE FEAR RIVER  
Body of Water: CAPE FEAR RIVER  
Tributary of: Not reported  
Release Secured: Y  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: BOOMS APPLIED  
State Agency on Scene: FIRE DEPT.  
State Agency Report Number: Not reported  
Other Agency Notified: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005777770

Weather Conditions: PARTLY CLOUDY  
Air Temperature: Not reported  
Wind Speed: Not reported  
Wind Direction: Not reported  
Water Supply Contaminated: N  
Sheen Size: Not reported  
Sheen Color: Not reported  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: N  
Wind Speed Unit: Not reported  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: NONE  
State Agency Notified: Not reported  
Federal Agency Notified: Not reported  
nearest River Mile Marker: Not reported  
Sheen Size Length: Not reported  
Sheen Size Length Units: Not reported  
Sheen Size Width: Not reported  
Sheen Size Width Units: Not reported  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: UNK

Calls:

NRC Report #: 777770  
Site ID: 2005777770  
Date Time Received: 2005-10-28 15:34:59  
Date Time Complete: 2005-10-28 15:38:27  
Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: PRIVATE CITIZEN  
Responsible City: WILMINGTON  
Responsible State: NC  
Responsible Zip: Not reported  
On Behalf: N  
Source: TELEPHONE

Vessels Detail:

Site ID: 2005777770  
Vessel Name: THEROPY EXPRESS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005777770

Vessel Type: PLEASURE CRAFT  
Vessel Number: NC 8362CC  
Vessel Length: Not reported  
Hull Construction: Not reported  
Fuel Capacity: Not reported  
Fuel on Board: Not reported  
Cargo Capacity: Not reported  
Cargo on Board: Not reported  
Is Vessel Aground: N  
Flag: Not reported  
Breadth: Not reported  
Draught: Not reported  
Fuel Capacity Units: Not reported  
Fuel on Board Units: Not reported  
Cargo Capacity Units: Not reported  
Cargo on Board Units: Not reported

Material Involved:  
NRC Report #: 777770  
Chris Code: GAS  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 1  
Unit of Measure: CUP(S)  
Name of Material: GASOLINE: AUTOMOTIVE (UNLEADED)  
If Reached Water: YES  
Amount in Water: 1  
Unit of Measure Reach Water: CUP(S)

A23

Target #6A MARINA WYND  
Property BALD HEAD ISLAND, NC 28461

ERNS 2005778620  
N/A

Site 23 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 778620  
Description of Incident: THE CALLER STATED THAT CREW WAS FILLING THE VESSEL, WHEN A VENT OVERFLOWED.  
Type of Incident: VESSEL  
Incident Cause: OPERATOR ERROR  
Incident Date Time: 2005-11-06 09:45:00  
Incident DTG: OCCURRED  
Incident Location: Not reported  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005778620

Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: Not reported

Incidents:

NRC Report #: 778620  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported  
Type of Fuel: Not reported  
NPDES: Not reported  
NPDES Compliance: U  
Pipeline Type: Not reported  
DOT Regulated: U  
Pipeline Above Ground: ABOVE  
Exposed Underwater: N  
Pipeline Covered: U  
Railroad Hotline: Not reported  
Grade Crossing: N  
Location Subdivision: Not reported  
Railroad Milepost: Not reported  
Type Vehicle Involved: Not reported  
Crossing Device Type: Not reported  
Device Operational: Y  
DOT Crossing Number: Not reported  
Brake Failure: N  
Description of Tank: Not reported  
Tank Above Ground: ABOVE  
Transportable Container: U  
Tank Regulated: U  
Tank Regulated By: Not reported  
Tank ID: Not reported  
Capacity of Tank: Not reported  
Capacity of Tank Units: Not reported  
Actual Amount: Not reported  
Actual Amount Units: Not reported  
Platform Rig Name: Not reported  
Platform Letter: Not reported  
Location Area ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005778620

Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX
Incident Details:	
NRC Report #:	778620
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005778620

Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N  
Track Closed: N  
Track Desc: Not reported  
Track Closure Time: Not reported  
Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: BALD HEAD ISLAND MARINA  
Body of Water: BALD HEAD ISLAND MARINA  
Tributary of: CAPE FEAR RIVER  
Release Secured: Y  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: PLACED PADS IN THE MARINA  
State Agency on Scene: Not reported  
State Agency Report Number: Not reported  
Other Agency Notified: Not reported  
Weather Conditions: PARTLY CLOUDY  
Air Temperature: 69  
Wind Speed: 5  
Wind Direction: Not reported  
Water Supply Contaminated: N  
Sheen Size: Not reported  
Sheen Color: RAINBOW  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: N  
Wind Speed Unit: MPH  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track CLosure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: THE CALLER HAD NO ADDITIONAL INFORMATION  
State Agency Notified: Not reported  
Federal Agency Notified: Not reported  
nearest River Mile Marker: Not reported  
Sheen Size Length: 120  
Sheen Size Length Units: FEET  
Sheen Size Width: 80  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005778620

Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: UNK

Calls:

NRC Report #: 778620  
Site ID: 2005778620  
Date Time Received: 2005-11-06 09:58:31  
Date Time Complete: 2005-11-06 10:04:47  
Call Type: INC  
Responsible Company: "M/V" LUBA  
Responsible Org Type: PRIVATE ENTERPRISE  
Responsible City: BROOKLYN  
Responsible State: NY  
Responsible Zip: 11234  
On Behalf: N  
Source: TELEPHONE

Vessels Detail:

Site ID: 2005778620  
Vessel Name: LUBA  
Vessel Type: PLEASURE CRAFT  
Vessel Number: NY753024DM  
Vessel Length: 47  
Hull Construction: FIBERGLASS HULL  
Fuel Capacity: Not reported  
Fuel on Board: Not reported  
Cargo Capacity: Not reported  
Cargo on Board: Not reported  
Is Vessel Aground: N  
Flag: UNITED STATES OF AMERICA  
Breadth: 14  
Draught: 56  
Fuel Capacity Units: Not reported  
Fuel on Board Units: Not reported  
Cargo Capacity Units: Not reported  
Cargo on Board Units: Not reported

Material Involved:

NRC Report #: 778620  
Chris Code: OOD  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 1  
Unit of Measure: QUART(S)  
Name of Material: OIL, FUEL: NO. 1-D  
If Reached Water: YES  
Amount in Water: 1  
Unit of Measure Reach Water: QUART(S)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**A24**  
**Target** #6A MARINA WYND  
**Property** BALD HEAD ISLAND, NC 28461

**ERNS** 2005764340  
N/A

**Site 24 of 27 in cluster A**

**Actual:**  
**7 ft.**

Incident Commons:  
NRC Report #: 764340  
Description of Incident: CALLER STATED THERE WAS A RELEASE OF MATERIALS INTO THE WATER DUE TO A VENT THAT COULD NOT HANDLE THE FUEL PRESSURE. THIS CAUSED A RELEASE OF MATERIALS ONTO THE DECK AND INTO THE WATER.

Type of Incident: VESSEL  
Incident Cause: EQUIPMENT FAILURE  
Incident Date Time: 2005-07-04 09:30:00  
Incident DTG: OCCURRED  
Incident Location: Not reported  
Location Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: 28461  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: Not reported

Incidents:  
NRC Report #: 764340  
Aircraft Type: Not reported  
Aircraft Model: Not reported  
Aircraft ID: Not reported  
Aircraft Fuel Capacity: Not reported  
Aircraft Fuel Capacity Units: Not reported  
Aircraft Fuel on Board: Not reported  
Aircraft Fuel on Board Units: Not reported  
Aircraft Spot Number: Not reported  
Aircraft Hanger: Not reported  
Aircraft Runway Number: Not reported  
Road Mile Marker: Not reported  
Building ID: Not reported  
Type of Fixed Object: Not reported  
Power Generating Facility: U  
Generating Capacity: Not reported  
Type of Fuel: Not reported  
NPDES: Not reported  
NPDES Compliance: U  
Pipeline Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005764340

DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	N
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	N
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005764340

Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX
Incident Details:	
NRC Report #:	764340
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	THE CAPE FEAR RIVER
Body of Water:	THE CAPE FEAR RIVER
Tributary of:	ATLANTIC OCEAN
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	OIL ABSORBENT PADS USED TO SOAK UP THE ENTIRE SPILL.
State Agency on Scene:	NONE
State Agency Report Number:	NONE
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	85
Wind Speed:	9
Wind Direction:	NE
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	SW
Sheen Odor Description:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005764340

Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: N  
Wind Speed Unit: MPH  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: NO ADDITIONAL INFORMATION.  
State Agency Notified: NONE  
Federal Agency Notified: NONE  
nearest River Mile Marker: Not reported  
Sheen Size Length: 40  
Sheen Size Length Units: FEET  
Sheen Size Width: 10  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:

NRC Report #: 764340  
Site ID: 2005764340  
Date Time Received: 2005-07-04 10:41:15  
Date Time Complete: 2005-07-04 10:52:38  
Call Type: INC  
Responsible Company: BALD HEAD ISLAND FERRY  
Responsible Org Type: PRIVATE ENTERPRISE  
Responsible City: BALD HEAD ISLAND  
Responsible State: NC  
Responsible Zip: 28461  
On Behalf: N  
Source: TELEPHONE

Vessels Detail:

Site ID: 2005764340  
Vessel Name: REVENGE  
Vessel Type: FERRY  
Vessel Number: Not reported  
Vessel Length: 60  
Hull Construction: ALUMINUM HULL  
Fuel Capacity: Not reported  
Fuel on Board: Not reported  
Cargo Capacity: Not reported  
Cargo on Board: Not reported  
Is Vessel Aground: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2005764340

Flag: Not reported  
Breadth: Not reported  
Draught: Not reported  
Fuel Capacity Units: Not reported  
Fuel on Board Units: Not reported  
Cargo Capacity Units: Not reported  
Cargo on Board Units: Not reported

Material Involved:  
NRC Report #: 764340  
Chris Code: OOD  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 1  
Unit of Measure: QUART(S)  
Name of Material: OIL, FUEL: NO. 1-D  
If Reached Water: YES  
Amount in Water: 1  
Unit of Measure Reach Water: CUP(S)

A25  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC

ERNS 2006820901  
N/A

Site 25 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 820901  
Description of Incident: CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE.  
Type of Incident: UNKNOWN SHEEN  
Incident Cause: UNKNOWN  
Incident Date Time: 2006-12-13 16:00:00  
Incident DTG: DISCOVERED  
Incident Location: UNKNOWN SHEEN INCIDENT  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: Not reported  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported  
Potential Range: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006820901

Incidents:

NRC Report #:	820901
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006820901

Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	820901
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006820901

Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: / CAPE FEAR RIVER  
Body of Water: CAPE FEAR RIVER  
Tributary of: Not reported  
Release Secured: U  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: NONE  
State Agency on Scene: NONE  
State Agency Report Number: Not reported  
Other Agency Notified: Not reported  
Weather Conditions: FOGGY  
Air Temperature: Not reported  
Wind Speed: Not reported  
Wind Direction: Not reported  
Water Supply Contaminated: N  
Sheen Size: Not reported  
Sheen Color: RAINBOW  
Direction of Sheen Travel: S  
Sheen Odor Description: Not reported  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: N  
Wind Speed Unit: Not reported  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: CALLER HAD NO ADDITIONAL INFORMATION.  
State Agency Notified: NONE  
Federal Agency Notified: NONE  
nearest River Mile Marker: 13A  
Sheen Size Length: 100  
Sheen Size Length Units: FEET  
Sheen Size Width: 50  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:  
NRC Report #: 820901  
Site ID: 2006820901  
Date Time Received: 2006-12-13 17:03:41  
Date Time Complete: 2006-12-13 17:06:28  
Call Type: INC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2006820901

Responsible Company: Not reported  
Responsible Org Type: UNKNOWN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: Not reported  
Source: TELEPHONE

Material Involved:  
NRC Report #: 820901  
Chris Code: OUN  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: UNKNOWN OIL  
If Reached Water: YES  
Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

A26  
Target  
Property

#6A MARINA WYND  
BALD HEAD ISLAND, NC

ERNS 2009898022  
N/A

Site 26 of 27 in cluster A

Actual:  
7 ft.

Incident Commons:  
NRC Report #: 898022  
Description of Incident: THE CALLER IS REPORTING AN UNKNOWN SHEEN DISCOVERY IN THE CAPE FEAR RIVER.  
Type of Incident: UNKNOWN SHEEN  
Incident Cause: UNKNOWN  
Incident Date Time: 2009-02-20 10:00:00  
Incident DTG: DISCOVERED  
Incident Location: UNKNOWN SHEEN INCIDENT  
Loaction Address: #6A MARINA WYND  
Location Street 1: Not reported  
Location Street 2: Not reported  
Location Nearest City: BALD HEAD ISLAND  
Location State: NC  
Location County: BRUNSWICK  
Location Zip: Not reported  
Distance From City: Not reported  
Distance Units: Not reported  
Direction From City: Not reported  
Lat Deg: Not reported  
Lat Min: Not reported  
Lat Sec: Not reported  
Lat Quad: Not reported  
Long Deg: Not reported  
Long Min: Not reported  
Long Sec: Not reported  
Long Quad: Not reported  
Location Section: Not reported  
Location Township: Not reported  
Location range: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2009898022

Potential Range:	N
Incidents:	
NRC Report #:	898022
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2009898022

Allision: U  
Type of Structure: Not reported  
Structure Name: Not reported  
Structure Operational: U  
Airbag Deployed: U  
Date Tiem Normal Service: Not reported  
Service Disruption Time: Not reported  
Service Disruption Units: Not reported  
Transit Bus Flag: Not reported  
CR Begin Date: Not reported  
CR End Date: Not reported  
CR Change Date: Not reported  
FBI Contact: Not reported  
FBI Contact Date Time: Not reported  
Sub Part C Testing Req: XXX  
Conductor Testing: Not reported  
Engineer Testing: Not reported  
Trainman Testing: Not reported  
Yard Foreman Testing: Not reported  
RCL Operator Testing: Not reported  
Brakeman Testing: Not reported  
Train Dispatcher Testing: Not reported  
Signalman Testing: Not reported  
Other Employee Testing: Not reported  
Unknown Testing: Not reported  
Passenger Handling: Not reported  
Passenger Route: XXX  
Passenger Delay: XXX

Incident Details:  
NRC Report #: 898022  
Fire Involved: N  
Fire Extinguished: U  
Any Evacuations: N  
Number Evacuated: Not reported  
Who Evacuated: Not reported  
Radius of Evacuation: Not reported  
Any Injuries: N  
Number Injured: Not reported  
Number Hospitalized: Not reported  
Any Fatalities: N  
Number Fatalities: Not reported  
Any Damages: N  
Damage Amount: Not reported  
Air Corridor Closed: N  
Air Corridor Desc: Not reported  
Air Closure Time: Not reported  
Waterway Closed: N  
Waterway Desc: Not reported  
Waterway Closure Time: Not reported  
Road Closed: N  
Road Desc: Not reported  
Road Closure Time: Not reported  
Closure Direction: Not reported  
Major Artery: N  
Track Closed: N  
Track Desc: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2009898022

Track Closure Time: Not reported  
Media Interest: NONE  
Medium Desc: WATER  
Additional Medium Info: CAPE FEAR RIVER  
Body of Water: CAPE FEAR RIVER  
Tributary of: Not reported  
Release Secured: U  
Estimated Duration of Release: Not reported  
Release rate: Not reported  
Desc Remedial Action: DISSIPATED NATURALLY  
State Agency on Scene: NONE  
State Agency Report Number: NONE  
Other Agency Notified: Not reported  
Weather Conditions: CLEAR  
Air Temperature: Not reported  
Wind Speed: Not reported  
Wind Direction: Not reported  
Water Supply Contaminated: N  
Sheen Size: Not reported  
Sheen Color: BARELY DISCERNIBLE  
Direction of Sheen Travel: Not reported  
Sheen Odor Description: Not reported  
Wave Condition: Not reported  
Current Speed: Not reported  
Current Direction: Not reported  
Water Temperature: Not reported  
Track Close Dir: Not reported  
Empl Fatality: Not reported  
Pass Fatality: Not reported  
Community Impact: Not reported  
Wind Speed Unit: Not reported  
Employee Injuries: Not reported  
Passenger Injuries: Not reported  
Occupant Fatality: Not reported  
Current Speed Unit: Not reported  
Road Closure Units: Not reported  
Track Closure Units: Not reported  
Sheen Size Units: Not reported  
Additional Info: NO SHEEN INFORMATION  
State Agency Notified: NONE  
Federal Agency Notified: NONE  
nearest River Mile Marker: Not reported  
Sheen Size Length: 75  
Sheen Size Length Units: FEET  
Sheen Size Width: 8  
Sheen Size Width Units: FEET  
Offshore: N  
Duration Unit: Not reported  
Release Rate Unit: Not reported  
Release Rate Rate: Not reported  
Passengers Transferred: NO

Calls:  
NRC Report #: 898022  
Site ID: 2009898022  
Date Time Received: 2009-02-20 10:27:39  
Date Time Complete: 2009-02-20 10:30:49

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

2009898022

Call Type: INC  
Responsible Company: Not reported  
Responsible Org Type: UNKNOWN  
Responsible City: Not reported  
Responsible State: XX  
Responsible Zip: Not reported  
On Behalf: N  
Source: TELEPHONE

Material Involved:  
NRC Report #: 898022  
Chris Code: OUN  
Case Number: 000000-00-0  
UN Number: Not reported  
Amount of Material: 0  
Unit of Measure: UNKNOWN AMOUNT  
Name of Material: UNKNOWN OIL  
If Reached Water: YES  
Amount in Water: 0  
Unit of Measure Reach Water: UNKNOWN AMOUNT

A27 **BALD HEAD ISLAND MARINA**  
South **8 MARINA WYND**  
< 1/8 **BALD HEAD ISLAND, NC 28461**  
0.013 mi.  
66 ft. **Site 27 of 27 in cluster A**

LUST **S108407946**  
N/A

Relative: LUST:  
Higher Facility ID: 00-0-000  
Actual: UST Number: WI-7255  
7 ft. Incident Number: 32384  
Contamination Type: GW  
Source Type: Leak-underground  
Product Type: P  
Date Reported: 02/12/2007  
Date Occur: 02/12/2007  
Cleanup: 02/12/2007  
Closure Request: Not reported  
Close Out: 10/19/2011  
Level Of Soil Cleanup Achieved: Not reported  
Tank Regulated Status: R  
# Of Supply Wells: 0  
Commercial/NonCommercial UST Site: COMMERCIAL  
Risk Classification: L  
Risk Class Based On Review: L  
Corrective Action Plan Type: Not reported  
NOV Issue Date: Not reported  
NORR Issue Date: Not reported  
Site Priority: Not reported  
Phase Of LSA Req: 1  
Site Risk Reason: Not reported  
Land Use: Residential  
MTBE: No  
MTBE1: Yes  
Flag: No  
Flag1: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BALD HEAD ISLAND MARINA (Continued)**

**S108407946**

LUR Filed: Not reported  
 Release Detection: 0  
 Current Status: File Located in Archives  
 RBCA GW: Not reported  
 PTOPT: 3  
 RPL: False  
 CD Num: 492  
 Reel Num: 0  
 RPOW: False  
 RPOP: False  
 Error Flag: 0  
 Error Code: N  
 Valid: False  
 Lat/Long Decimal: 33.8754 -78.0007  
 Testlat: Not reported  
 Regional Officer Project Mgr: MEC  
 Region: WIL  
 Company: BALD HEAD ISLAND LIMITED, LLC  
 Contact Person: BRUCE MAREK, PE  
 Telephone: 9104577517  
 RP Address: PO BOX 3069  
 RP City,St,Zip: BALD HEAD ISLAND, NC 28461  
 RP County: Not reported  
 Comments: 3 c.y. of contaminated soil disposed of on mainland (Deep Point Marina). See COA for details. Waiting on additional groundwater data before close out. Assigned to Michele on 6/12/08./// pulled for archiving 1.10.2014 WER  
 5 Min Quad: Not reported

**PIRF:**

Facility Id: 32384  
 Date Occurred: 2007-02-12 00:00:00  
 Date Reported: 2007-02-12 00:00:00  
 Description Of Incident: Soil sampling confirms diesel release from former UST system. 3 c.y. of contaminated soil disposed of on mainland. See COA for details.  
 Owner/Operator: Not reported  
 Ownership: 4  
 Operation Type: 6  
 Type: 3  
 Location: 1  
 Site Priority: Not reported  
 Priority Update: Not reported  
 Wells Affected Y/N: N  
 Samples Include: Not reported  
 7#5 Minute Quad: Y  
 5 Minute Quad: Not reported  
 Pirf/Min Soil: Not reported  
 Release Code: Not reported  
 Source Code: Not reported  
 Err Type: 2  
 Cause: Not reported  
 Source: Not reported  
 Ust Number: P  
  
 Last Modified: Not reported  
**Incident Phase: Not reported**  
 NOV Issued: Not reported  
 NORR Issued: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BALD HEAD ISLAND MARINA (Continued)**

**S108407946**

45 Day Report: Not reported  
Public Meeting Held: Not reported  
Corrective Action Planned: Not reported  
SOC Signed: Not reported  
Reclassification Report: Not reported  
RS Designation: Not reported  
Closure Request Date: Not reported  
Close-out Report: Not reported

**28  
SW  
< 1/8  
0.049 mi.  
258 ft.**

**BALDHEAD ISLAND DREDGE SPOIL S  
WHALEBONE CIRCLE, BALD HEAD IS  
BRUNS (County), NC**

**IMD S103131691  
N/A**

**Relative:  
Higher  
Actual:  
7 ft.**

IMD:  
Region: WIL  
Facility ID: 16625  
Date Occurred: 12/20/1996  
Submit Date: 1/25/2006  
GW Contam: No Groundwater Contamination detected  
Soil Contam: Yes  
Incident Desc: PETROL ODORS ASSOC. W/AGST AT SITE  
Operator: STEWART, PRESIDENT, KEN  
Contact Phone: Not reported  
Owner Company: BALDHEAD ISLAND DREDGE SPOIL SITE  
Operator Address:WHALEBONE CIRCLE, BALD HEAD ISLAND  
Operator City: BALD HEAD ISLAND  
Oper City,St,Zip: BALD HEAD ISLAND, NC  
Ownership: Military  
Operation: Agricultural  
Material: DIESEL  
Qty Lost 1: Not reported  
Qty Recovered 1: Not reported  
Material: GASOLINE  
Qty Lost: Not reported  
Qty Recovered: Not reported  
Source: Unknown  
Type: Other inorganics  
Location: 8  
Setting: Residential  
Risk Site: Not reported  
Site Priority: Not reported  
Priority Code: NOD  
Priority Update: Not reported  
Dem Contact: CDR  
Wells Affected: No  
Num Affected: Not reported  
Wells Contam: Not reported  
Sampled By: Responsible Parties  
Samples Include: Groundwater Samples  
7.5 Min Quad: Not reported  
5 Min Quad: Not reported  
Latitude: 33.8748  
Longitude: -78.0023  
Latitude Number: Not reported  
Longitude Number: Not reported  
Latitude Decimal: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BALDHEAD ISLAND DREDGE SPOIL S (Continued)**

**S103131691**

Longitude Decimal: Not reported  
GPS: NOD  
Agency: DWQ  
Facility ID: 16625  
Last Modified: 1/25/2006  
Incident Phase: Closed Out  
NOV Issued: Not reported  
NORR Issued: Not reported  
45 Day Report: Not reported  
Public Meeting Held: Not reported  
Corrective Action Planned: Not reported  
SOC Sighned: Not reported  
Reclassification Report: Not reported  
RS Designation: Not reported  
Closure Request Date: Not reported  
Close-out Report: 5/19/1997

**29**  
**ENE**  
**< 1/8**  
**0.120 mi.**  
**633 ft.**

**BALD HEAD ISLAND WASTE OIL SITE**  
**NORTH BALD HEAD WYND**  
**BALD HEAD ISLAND, NC**

**LAST S113190849**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**5 ft.**

LAST:  
Facility ID: Not reported  
UST Number: WI-88292  
Incident Number: 5851  
Contamination Type: SL  
Source Type: 19  
Product Type: P  
Date Reported: 08/01/1990  
Date Occur: 08/01/1990  
Cleanup: Not reported  
Closure Request: Not reported  
Close Out: 02/21/1991  
Level Of Soil Cleanup Achieved: Not reported  
Tank Regulated Status: Not reported  
# Of Supply Wells: 0  
Commercial/NonCommercial UST Site: Not reported  
Risk Classification: Not reported  
Risk Class Based On Review: L  
Corrective Action Plan Type: Not reported  
NOV Issue Date: Not reported  
NORR Issue Date: Not reported  
Site Priority: Not reported  
Phase Of LSA Req: 2  
Site Risk Reason: Not reported  
Land Use: Not reported  
MTBE: No  
MTBE1: Unknown  
Flag: No  
Flag1: No  
LUR Filed: Not reported  
Release Detection: 0  
Current Status: A  
RBCA GW: Not reported  
PETOPT: 5

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BALD HEAD ISLAND WASTE OIL SITE (Continued)**

**S113190849**

RPL: False  
CD Num: 470  
Reel Num: 0  
RPOW: False  
RPOP: False  
Error Flag: 0  
Error Code: N  
Valid: False  
Lat/Long: 33 52 34.32 77 59 59.64  
Lat/Long Decimal: 33.87621 -77.99991  
Testlat: Not reported  
Regional Officer Project Mgr: Not reported  
Region: WIL  
Company: Not reported  
Contact Person: Not reported  
Telephone: Not reported  
RP Address: Not reported  
RP City,St,Zip: NC  
RP County: Not reported  
Comments: File pulled for archiving by LEP on 11/15/2012.  
5 Min Quad: Not reported  
Last Modified: 2/21/1991  
**Incident Phase: CO**  
NOV Issued: Not reported  
NORR Issued: Not reported  
45 Day Report: Not reported  
Public Meeting Held: Not reported  
Corrective Action Planned: Not reported  
SOC Signed: Not reported  
Reclassification Report: Not reported  
RS Designation: Not reported  
Closure Request Date: Not reported  
Close-out Report: Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

## EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
<b>** - Indicates location may or may not be in requested radius. Site has not been assigned a latitude/longitude coordinate. Further review recommended.</b>								
28461	1007708979	110018655766	MERRITT MOORE SEAFOOD		**	SOUTHPORT	NC	FINDS
28461	1007705471	110018620651	R M ENTERPRISES		**	LONG BEACH	NC	FINDS
28461	U003562057	0-004031	MILITARY OCEAN TERMINAL		**	SOUTHPORT	NC	UST
28461	2002623396				**	BALD HEAD ISLAND	NC	ERNS
28461	2001572583				**	BALD HEAD ISLAND	NC	ERNS
28461	2005772410				**	SOUTHPORT	NC	ERNS
28461	1008016260	110027386086	BALD HEAD ISLAND UTILITIES		**	BALD HEAD ISLAN	NC	FINDS
28461	1009655007	110027397172	THE LAKES COUNTRY CLUB		**	BOILING SPRING	NC	FINDS
28461	1021743435		CAPE FEAR SUNOCO SERVICE	9TH ST & HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1012119203	110038995638	STANDARD PRODUCTS OF NC INC	SR 1101	**	SOUTHPORT	NC	FINDS
28461	S118635820		E. 11TH STREET-254	254 E. 11TH ST		SOUTHPORT	NC	
28461	S105120037	22912	CITY OF SOUTHPORT-MAIN. SHOP	210 E. 11TH. ST		SOUTHPORT	NC	IMD, LUST
28461	1021769893		SAMPSON-BLADEN OIL CO INC	HIGHWAY 133 & 211	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	U003145906	0-023466	OLDE BRUNSWICK GENERAL STORE	HIGHWAY 133 & FIFTY LAKES DRIVE		BOILING SPRINGS	NC	UST
28461	1007725851	110018824913	HARRELSON S MARKET	HIGHWAY 133 - 8109 RIVER ROAD	**	SOUTHPORT	NC	FINDS
28461	1021324546		SAMPSON-BLADEN OIL CO INC	HIGHWAY 133 211	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1007709016	110018656104	RIVER RUN DRY CLEANERS	HIGHWAY 133 AND 211	**	SOUTHPORT	NC	FINDS
28461	1020180921		BROWN JIMMY & SON	HWY 133	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1021632086		H & H TEXACO SERVICE	HWY 133	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	U004139295		HARRELSON'S MARKET	HWY 133 - 8109 RIVER RD	**	SOUTHPORT	NC	UST
28461	S105912350	86638	MOTSU, DIESEL REFUELING AREA	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	S105912349	86636	MOTSU, LUMBER YARD	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	S107812443	86637	MOTSU, FIRE FIGHTER TRAINING AREA	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	S105912348	86635	MOTSU, LOCOMOTIVE REPAIR SHOP/WA:	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	S105912172	16979	MOTSU, BUILDINGS S-1 AND S-15	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	S105912347	86634	MOTSU, STEVEDORE MAINTENANCE SHC	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	1020611568		KINGS SHOPPING CENTER	HWY 133 YAUPON BCH	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1007707884	110018644797	FISH PROCESSING PLANT	HIGHWAY 133/SR 1101	**	SOUTHPORT	NC	FINDS
28461	U004138551		FISH PROCESSING PLANT	HIGHWAY 133/SR 1101	**	SOUTHPORT	NC	UST
28461	S102869056	17758	SOUTHPORT FERRY USTS	SR 1540		SOUTHPORT	NC	IMD, LUST
28461	1012120170	110038997011	ROYAL NEST LEASING	HIGHWAY 211	**	BOILING SPRINGS	NC	FINDS
28461	1017002986	110047549300	VILLA NOVA MOBILE HOME PARK	NC 211 HWY	**	YAUPON BEACH	NC	FINDS
28461	1020438600		HANDY HUGOS	HIGHWAY 33211	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1016605750	110007656349	US MILITARY OCEAN TERM	HWY 421 PLEASURE ISLAND	**	KURE BEACH	NC	FINDS
28461	1004744467	NC9210020542	US MILITARY OCEAN TERM	HWY 421 PLEASURE ISLAND	**	KURE BEACH	NC	RCRA-CESQG
28461	U001189257	0-004780	SOUTHERN BELL-GLC 21826	N.E. 46TH STREET	**	LONG BEACH	NC	UST
28461	1022014061		BIG DADDYS SHELL SERVICE STN	RT 5 BOX 288	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	U001201395	0-023871	SPORTSMAN INN MARINA	57TH PLACE WEST	**	LONG BEACH	NC	UST
28461	1007704533	110018611297	SPORTSMAN INN MARINA	57TH PLACE WEST	**	LONG BEACH	NC	FINDS
28461	1023444500	110068207522	CAROLINA POWER & LIGHT	HIGHWAY 87	**	SOUTHPORT	NC	FINDS
28461	U004138786		CAPE FEAR BROADCASTING COMPANY	HIGHWAY 87		BOILING SPRINGS LAKEN	NC	UST
28461	1007704984	110018615783	BOILING SPRING LAKES MINI MAR	HIGHWAY 87 SOUTH	**	BOILING SPRING	NC	FINDS
28461	S102611247	17777	BOSWELL'S GAS & GROCERY	HWY 87	**	BOILING SPRINGS LK	NC	IMD, LUST
28461	1020581573		BOSWELLS GAS & GROCERY	HWY 87	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1004547206	110002080284	MARTIN MARIETTA AGGREGATES BRUNS	HWY 87 & HWY 133	**	SOUTHPORT	NC	FINDS
28461	1000333769	NCD091570960	PROGRESS ENERGY BRUNSWICK NUCLE	HWY 87 N	**	SOUTHPORT	NC	CERCLIS-NFRAP, RCRAInfo-SQG
28461	1014628307			HWY 87 NORTH	**	SOUTHPORT	NC	PCB TRANSFORMER
28461	U004138770			HWY 87 SOUTH	**	BOILING SPRINGS LAKEN	NC	UST
28461	S105766102	17387	BOILING SPRING LAKES MINI MART	HWY. 87 S.	**	SOUTHPORT	NC	IMD, LUST
28461	1021961843		AMANS TEXACO SERVICE	<	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1011498454	110012286748	MALLORY CREEK SITE	1,200 ACRE TRACT	**	SOUTHPORT	NC	ICIS, FINDS
28461	9198610			ALONG CAPE FEAR RIVER	**	SOUTH PORT	NC	ERNS
28461	9018986			US ARMY	**	SOUTH PORT	NC	ERNS
28461	S122873672		SOUTHPORT GYMNASIUM	211 NORTH ATLANTIC AVENUE	**	SOUTHPORT	NC	COAL ASH
28461	1018132207		SUNNY POINT MILITARY OCEAN TERMINA/	ATTN: MTE SU-FE	**	SOUTHPORT	NC	
28461	S112336853		BALD HEAD ISLAND UTILITIES	BALD HEAD ISL.	**	BALD HEAD ISLAND	NC	
28461	2016156120			BALD HEAD ISLAND MARINA	**	BALD HEAD ISLAND	NC	ERNS
28461	2002625381			BALD HEAD ISLAND MARINA	**	BALD HEAD ISLAND	NC	ERNS
28461	S108074397	32320	AMERICAN FISH COMPANY (FORMER)	319 WEST BAY STREET		SOUTHPORT	NC	NPDES, LUST

### EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	U004139415		AMERICAN FISH COMPANY	821 WEST BAY STREET	**	SOUTHPORT	NC	UST
28461	U004139035		CITY OF BOILING SPRING LAKES	#9 BOILING SPRING ROAD		SOUTHPORT	NC	UST
28461	1007708350	110018649453	CITY OF BOILING SPRING LAKES	#9 BOILING SPRING ROAD		SOUTHPORT	NC	FINDS
28461	1012119787	110038995594	BOILING SPRINGS CONT	BOILING SPRINGS LAKE		SOUTHPORT	NC	FINDS
28461	1007699074	110018556613	SOUTHPORT FERRY OPERATION	P.O. BOX 10028	**	SOUTHPORT	NC	FINDS
28461	A100186612	10005	CAROLINA POWER & LIGHT CO. (BRUNSV	P.O. BOX 10429 (NC HWY. 87 NORTH)	**	SOUTHPORT	NC	AST
28461	U004138820		BRUNSWICK STEAM ELECTRIC PLANT	P.O. BOX 10429/HWY 87	**	SOUTHPORT	NC	UST
28461	U001202426	0-025551	SOUTHPORT FERRY OPERATION	PO BOX 10028 - HWY 211		SOUTHPORT	NC	UST
28461	1005539744	110009717921	SOUTHPORT MARINA	PO BOX 10578 WEST STREET		SOUTHPORT	NC	FINDS
28461	A100186618	10011	BALD HEAD ISLAND (BALD HEAD ISLAND	PO BOX 1058	**	SOUTHPORT	NC	AST
28461	1009662208	110025390592	RESERVE DEVELOPMENT CORPORATION	BRUNSWICK 2006-075 BRUNSWICK COUN	**	BALD HEAD ISLAND	NC	FINDS
28461	2007850864			BRUNSWICK NUCLEAR PLANT	**	SOUTHPORT	NC	ERNS
28461	S111161488		BUILDING 24 BRUNSWICK ROAD	BUILDING 24 BRUNSWICK RD		SOUTHPORT	NC	UIC
28461	S111284068		421 CADES TRAIL 5QW	421 CADES TRL		SOUTHPORT	NC	UIC
28461	2003700540			CAPE FEAR RIVER	**	SOUTHPORT	NC	ERNS
28461	1007700062	110018566522	USCG STATION OAK ISLAND	CASWELL BEACH ROAD	**	CASWELL BEACH	NC	FINDS
28461	U003145816	0-022946	USCG STATION OAK ISLAND	CASWELL BEACH ROAD	**	CASWELL BEACH	NC	UST
28461	1007723297	110018799353	OAK ISLAND ENTERPRISES INCORPORAT	CASWELL DUNES CONDOMINIUM	**	CASWELL	NC	FINDS
28461	S110493226		JELINEK SFR	18 CEDAR CT		BALD HEAD ISLAND	NC	UIC
28461	S110729221		JOHN KEIFFER AND BONITA BRAY	404 CLARENDON AVE		SOUTHPORT	NC	UIC
28461	S105912217	18801	ERGEN DARBY OIL SPILL	CLEARVIEW DRIVE S.E. (S.R. 156		SOUTHPORT	NC	IMD
28461	1004747130	NCR000136101	COGNETRIX OF NORTH CAROLINA, INC	1281 COGNETRIX DRIVE SE		SOUTHPORT	NC	ICIS, RCRA-CESQG
28461	1007726831	110018834724	C.B CAROON CRAB COMPANY	CORNER OF BAY STREET KINGSLE	**	SOUTHPORT	NC	FINDS
28461	U001205546	0-030891	S BRUNSWICK HIGH SCHOOL	280 COUGAR DR BSL		SOUTHPORT	NC	UST
28461	1007723472	110018801108	S BRUNSWICK HIGH SCHOOL	280 COUGAR DRIVE BSL		SOUTHPORT	NC	FINDS
28461	U004138628		BRUNSWICK ELECTRIC MEMBERSHIP CO	112 COUNTRY CLUB DRIVE		LONG BEACH	NC	UST
28461	U001187073	0-001615	OCEAN OLE	132 COUNTRY CLUB DR		YAUPON BEACH	NC	IMD, LUST, UST
28461	1020467670		OCEAN O SELF SERVICE	132 COUNTRY CLUB DRIVE	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	U003142679	0-001829	CHEEKS AMOCO	222 COUNTRY CLUB DR		YAUPON BEACH	NC	LUST, UST
28461	1021759866		U-FULLER UP	COUNTRY CLUB DR	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	2007841026			DEEP POINT MARINA	**	SOUTHPORT	NC	ERNS
28461	S109504757		PRYOR, DAVID B - SFR	5900 DUTCHMAN CREEK RD		SOUTHPORT	NC	UIC
28461	1007702051	110018586378	SOUTHERN BELL-GLC 21826	NORTH EAST 46TH STREET	**	LONG BEACH	NC	FINDS
28461	1018291425		BALD HEAD ISLAND WTP	256 EDWARD TEACH EXTENSION		BALD HEAD ISLAND	NC	ICIS
28461	1016449572	110056378227	VILLAGE OF BALD HEAD ISLAND MAINTEN	256 EDWARD TEACH WYND		BALD HEAD ISLAND	NC	RCRA-NonGen, FINDS
28461	2009920290			END OF 9TH STREET	**	SOUTH FORK	NC	ERNS
28461	S111445054		GREEN COAST CONTAINERS	3701 FAIRFIELD WAY		SOUTHPORT	NC	
28461	98464924			FEIZER DOCK	**	SOUTHPORT	NC	ERNS
28461	2014093538			1301 FERRY RD		SOUTH PORT	NC	ERNS
28461	2015135747			1301 FERRY RD		SOUTH PORT	NC	ERNS
28461	2016138167			1301 FERRY RD		SOUTH PORT	NC	ERNS
28461	2018214959			1301 FERRY RD		SOUTH PORT	NC	ERNS
28461	S117918457		DEEP POINT MARINA/BALD ISLAND FERR	1301 FERRY RD		SOUTHPORT	NC	NPDES
28461	2016164257			1301 FERRY RD		SOUTH PORT	NC	ERNS
28461	2014102937			1301 FERRY RD		SOUTH PORT	NC	ERNS
28461	2014093234			1301 FERRY RD		SOUTH PORT	NC	ERNS
28461	2018204061			1301 FERRY RD		SOUTH PORT	NC	ERNS
28461	2011989458			1301 FERRY RD		SOUTH PORT	NC	ERNS
28461	1011930502	110037513839	DEEP POINT MARINA/BALD ISLAND FERR	1301 FERRY RD		SOUTHPORT	NC	FINDS
28461	2014092022			1301 FERRY RD.		SOUTH PORT	NC	ERNS
28461	U004139385		DEEP POINT MARINA	1301 FERRY ROAD		SOUTHPORT	NC	UST
28461	S106936295	32232	SOUTHPORT FERRY - PRODUCT LINE LE/	1650 FERRY RD		SOUTHPORT	NC	IMD, LUST
28461	1021147730		OLDE BRUNSWICK GENERAL STORE	1450 FIFTY LAKES DR BSL		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004119402		OLDE BRUNSWICK GENERAL STORE	1450 FIFTY LAKES ROAD STE E		SOUTHPORT	NC	UST
28461	1020020699		KISECO INC	4812 FISH FACTORY RD SE		SOUTHPORT	NC	EDR Historical Cleaners
28461	2014086089			4909 FISH FACTORY RD.		SOUTHPORT	NC	ERNS
28461	2018202472			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2015122092			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2010955939			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2009896649			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2014082970			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2018208456			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2007852944			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2014097870			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2005757240			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2014098941			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2013066601			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	1007696247	110018528324	STANDARD PRODUCTION OF NC	FISH FACTORY ROAD	**	SOUTHPORT	NC	FINDS

### EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	S104913983	85470	STANDARD PRODUCTS	FISH FACTORY ROAD		SOUTHPORT	NC	IMD
28461	1020895749		BOSWELLS GAS & GROCERY	611 FODALE AVE		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1011863163	NCS000001169	HARWARD BROTHERS DEVELOPEMENT (	3058-3 GEORGE II HWY		SOUTHPORT	NC	RCRA-NonGen
28461	1011922351	110037426648	HARWARD BROTHERS DEVELOPEMENT (	3058-3 GEORGE II HWY		SOUTHPORT	NC	FINDS
28461	1014925391	NCP022212007	BOILING SPRING LAKES ABC	3130 GEORGE II HWY SE		SOUTHPORT	NC	RCRA-NonGen
28461	1015947129	110046531794	BOILING SPRING LAKES ABC	3130 GEORGE II HWY SE		SOUTHPORT	NC	FINDS
28461	U004139197		KOPP'S KWIK STOP 2	3196 GEORGE II HWY		BOILING SPRING LAKES	NC	LUST TRUST, LUST, UST
28461	1007700106	110018566960	PARKER S SUPERETTE	3196A GEORGE II HIGHWAY		SOUTHPORT	NC	FINDS
28461	U004273758		SUNNY POINT TIGER MART	4388 GEORGE II HWY SE		SOUTHPORT	NC	UST
28461	S112338514		BALD HEAD ISLAND DIESEL SPILL	GOLF COURSE AREA	**	SOUTHPORT	NC	
28461	S110629625		BALD HEAD ISLAND DIESEL SPILL	GOLF COURSE AREA		BALD HEAD ISLAND	NC	
28461	S117056021		WAYLETT RESIDENCE	3319 GORDONIA CIR		SOUTHPORT	NC	UIC
28461	2013056804			SOUTH HARBOUR VILLAGE MARINA	**	SOUTHPORT	NC	ERNS
28461	S115777498		KIEL RESIDENCE	3874 HEARNDON LN		SOUTHPORT	NC	UIC
28461	1021997933		SAMPSON-BLADEN OIL CO INC	211 NC HIGHWAY 133		SOUTHPORT	NC	EDR Historical Auto Stations
28461	S103916859	20204	MOTSU, BLDG. S-1	NC HIGHWAY 133		SOUTHPORT	NC	IMD, LUST
28461	1009405102	110024936113	DOLLAR PROPERTIES FIVE LIMITED LIAB	NC HIGHWAY 78 WEST NORTH SHORE D	**	SOUTHPORT	NC	FINDS
28461	1011817498		BRUNSWICK STEAM ELECTRIC PLANT	NC HIGHWAY 87		SOUTHPORT	NC	RMP
28461	1011817499		BRUNSWICK STEAM ELECTRIC PLANT (B)	NC HIGHWAY 87		SOUTHPORT	NC	RMP
28461	1018304868		PROGRESS ENERGY CAROLINAS, INC. Bf	NC HIGHWAY 87 NORTH		SOUTHPORT	NC	ICIS
28461	1016086108	110018698694	BRUNSWICK STEAM ELECTRIC PLANT	NC HIGHWAY 87 NORTH		SOUTHPORT	NC	FINDS
28461	S110729220		JEFFERY AND PATRICIA MAYER SFR	2492 HILLSBOROUGH DR		SOUTHPORT	NC	UIC
28461	S118696290		JAY AND VICKIE BLOCH RESIDENCE	2514 HILLSBOROUGH DR		SOUTHPORT	NC	UIC
28461	S113191043		ANDERMAN RESIDENCE	2599 HILLSBOROUGH DR		SOUTHPORT	NC	UIC
28461	1012118870	110038985738	MARTIN MARIETTA MATERIALS INC - SOU	5408 HOLLY SHELTER ROAD	**	SOUTHPORT	NC	FINDS
28461	1021631956		HUFHAM EXXON SERVICE	600 N HOME ST	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1016682764	110012849846	SOUTHPORT CITY OF	1010 N HOWE ST		SOUTHPORT	NC	FINDS
28461	S110492961		CITY OF SOUTHPORT- PUBLIC WORKS	1010 N. HOWE ST		SOUTHPORT	NC	LUST
28461	1007698073	110018546607	PANTRY #467	1130 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	U001201246	0-023678	CIRCLE K 2720467	1130 NORTH HOWE STREET		SOUTHPORT	NC	LUST, UST
28461	1020989062		ROYAL COACH & MOTORWORKS INC	1320 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	S103718034	19722	ROYAL COACH AND AUTOMOTIVE	1320 N. HOWE STREET		SOUTHPORT	NC	IMD, LUST
28461	1020410096		SWAIN ROY	1322 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1001488621	NCR000010942	KERR DRUG 520	1501 N HOWE ST		SOUTHPORT	NC	RCRA-NonGen
28461	1016628375	110004059090	KERR DRUG 520	1501 N HOWE ST		SOUTHPORT	NC	FINDS
28461	1020942767		AUSTIN K E CORPORATION	1603 HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1007725304	110018819448	GOGAS #8	1603 HOWE STREET SOUTH EAST		SOUTHPORT	NC	FINDS
28461	U004139291		GOGAS 8	1603 N HOWE STREET		SOUTHPORT	NC	UST
28461	1020376633		MURPHY OIL USA INC	1607 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	S117917882		SOUTHPORT - NORTH HOWE STREET FA	1619 N HOWE RD		SOUTHPORT	NC	NPDES
28461	1019327786	NCS000002306	S&W READY MIX CONCRETE	1619 N HOWE ST		SOUTHPORT	NC	RCRA-NonGen
28461	1017426879	2846WSWSTH16	S&W SOUTHPORT	1619 NORTH HOWE ROAD		SOUTHPORT	NC	TRIS
28461	1005676735	110002359368	MATERIAL SALVAGE AND RECYCLING INC	1619 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	1004549942		S & W READY MIX CONCRETE COMPANY	1619 NORTH HOWE STREET		SOUTHPORT	NC	
28461	1016647926	110009717459	GODWIN CONCRETE CO-BRUNSWICK	1619 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	S121514487		S & W READY MIX CONCRETE COMPANY	1619 NORTH HOWE STREET		SOUTHPORT	NC	
28461	1020085931		SHALLOTTE CLEANERS INC	1620 N HOWE ST		SOUTHPORT	NC	EDR Historical Cleaners
28461	1020150080		MURPHY EXPRESS	1670 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1004746921	NCR000011759	WALMART SUPERCENTER #2772	1675 N HOWE ST		SOUTHPORT	NC	RCRA-CESQG
28461	1016628376	110004059615	WALMART SUPERCENTER #2772	1675 N HOWE ST		SOUTHPORT	NC	FINDS
28461	1021406963		MURPHY OIL USA INC	211 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004158461		MURPHY EXPRESS 8572	211 NORTH HOWE STREET		SOUTHPORT	NC	UST
28461	1022013247		K & M FUEL SALES	310 HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004138584		K & M FUEL SALES	310 HOWE STREET		SOUTHPORT	NC	UST
28461	1007704449	110018610421	K AND M FUEL SALES	310 HOWE STREET		SOUTHPORT	NC	FINDS
28461	1020004033		HI WAY CLEANERS	508 N HOWE ST		SOUTHPORT	NC	EDR Historical Cleaners
28461	1021460388		VEREENS SERVICE CENTER	511 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U001201762	0-024434	WAYLAND VEREEN	511 NORTH HOWE STREET		SOUTHPORT	NC	UST
28461	1007705343	110018619360	WAYLAND VEREEN	511 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	S104914533	22523	BIG DADDY'S GARAGE	524 NORTH HOWE ST.		SOUTHPORT	NC	IMD, LUST

## EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	1020549649		JUSTICE EXXON	600 HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1007712981	110018695820	CONVENIENT FOOD MART #5423	701 HOWE STREET		SOUTHPORT	NC	FINDS
28461	U004139331		CONVENIENT FOOD MART 5423	701 HOWE STREET		SOUTHPORT	NC	UST
28461	1000305080	NCD982083412	SOUTHPORT VENTURES INC	715 HOWE ST		SOUTHPORT	NC	IMD, RCRA-NonGen
28461	1016606516	110004029961	SOUTHPORT VENTURES INC	715 HOWE ST		SOUTHPORT	NC	FINDS
28461	1018495124		SNOW WHITE LAUNDROMAT	715 N HOWE ST		SOUTHPORT	NC	EDR Historical Cleaners
28461	1009318967	110024446544	NCDSCA 010-0001 (TOWN GATE CLEANEF	715 N HOWE ST		SOUTHPORT	NC	FINDS
28461	1009217749	NC0991302836	NCDSCA 010-0001 (TOWN GATE CLEANEF	715 N HOWE ST		SOUTHPORT	NC	RCRAInfo-SQG
28461	1007704054	110018606481	TOWN GATE CLEANERS	715 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	1021860769		BIG DADDYS SHELL SERVICE STN	900 HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	S117845978		E-Z-WAY GROCERY	921 NORTH HOWE STREET		SOUTHPORT	NC	LUST
28461	1007709834	110018664293	E-Z-WAY GROCERY	921 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	U004138619		E-Z-WAY GROCERY	921 NORTH HOWE STREET		SOUTHPORT	NC	UST
28461	U004139464		J AURTHUR DOSHER MEMORIAL HOSP	924 HOWE STREET		SOUTHPORT	NC	UST
28461	S121514507		DOSHER MEMORIAL HOSPITAL	924 NORTH HOWE STREET		SOUTHPORT	NC	
28461	1018314620	110067573539	DOSHER MEMORIAL HOSPITAL	924 NORTH HOWE STREET		SOUTHPORT	NC	ICIS, FINDS
28461	S101523343	7132	DOSHER MEMORIAL HOSPITAL	926 HOWE ST.		SOUTHPORT	NC	IMD, LUST
28461	U004138502		HART'S MINIT MART	927 N. HOWE ST.		SOUTHPORT	NC	UST
28461	1007707885	110018644804	HART S MINIT MART	927 NORTH HOWE ST.		SOUTHPORT	NC	FINDS
28461	1020784444		SOUTHPORT TEXACO	929 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U001200603	0-022744	OZEN W. CARRIER	9TH & HOWE STREET		SOUTHPORT	NC	UST
28461	1007713073	110018696730	OZEN W. CARRIER	9TH & HOWE STREET		SOUTHPORT	NC	FINDS
28461	1021095261		SOUTHPORT SUNOCO	HOWE ST	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	97381002			HOWE ST EXTENSTION	**	SOUTHPORT	NC	ERNS
28461	S112223072		TERRY L. LEE PROPERTY	HOWE ST. NC HWY 211 AND 9TH ST		SOUTHPORT	NC	
28461	1021801864		SOUTHPORT AUTO SERVICES CENTER	HOWE STREET	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1020723664		VEREENS SERVICE CENTER	HOWE STREET	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1020004032		HI WAY CLEANERS	508 HOWELL ST	**	SOUTHPORT	NC	EDR Historical Cleaners
28461	1020583381		BALL GEORGE HAROLD	NC HWY 133	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	2004723906			6099 INDEGO PLANTATION DR		SOUTHPORT	NC	ERNS
28461	2011985564			6099 INDIGO PLANTATION		SOUTHPORT	NC	ERNS
28461	2016152932			6099 INDIGO PLANTATION DR		SOUTH PORT	NC	ERNS
28461	1004547668	110006707368	BALD HEAD ISLAND DEVELOPMENT CO	6099 INDIGO PLANTATION DR		SOUTHPORT	NC	FINDS
28461	2001566095			6099 INDIGO PLANTATION DR.		SOUTHPORT	NC	ERNS
28461	1021146265		TOMS HI TANE	JCT HWYS 211 & 133	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	S121425629		HARRELSON ESTATE (DAN)	102 KINGSLEY DRIVE		SOUTHPORT	NC	LUST
28461	1016684138	110018564631	OLDE BRUNSWICK GENERAL STORE	1450 50 LAKES DR		BOILING SPRING LAKES	NC	FINDS
28461	1020037520		MAY LINDA INC	109 LIVE OAK TURN		SOUTHPORT	NC	EDR Historical Cleaners
28461	U003755162	0-036166	ST. JAMES PLANTATION	2760 LONG BAY DR		SOUTHPORT	NC	UST
28461	1007706132	110018627253	ST. JAMES PLANTATION	2760 LONG BAY DRIVE		SOUTHPORT	NC	FINDS
28461	U001188683	0-004065	PAINT CENTER	286 LONG BCH RD.		SOUTHPORT	NC	UST
28461	1007707851	110018644467	PAINT CENTER	286 LONG BEACH ROAD		SOUTHPORT	NC	FINDS
28461	1014783324	110042402833	BLUE SKY AVIATION	4019 LONG BEACH RD		SOUTHPORT	NC	FINDS
28461	U004139041		BRUNSWICK COUNTY AIRPORT	4019 LONG BEACH RD		SOUTHPORT	NC	LUST, UST
28461	1011979090	110038066936	CAPE FEAR REGIONAL JETPORT / HOWIE	4019 LONG BEACH RD		SOUTHPORT	NC	FINDS
28461	1014394054	NCS000001629	BLUE SKY AVIATION	4019 LONG BEACH RD		SOUTHPORT	NC	RCRA-NonGen
28461	S117918102		BRUNSWICK COUNTY AIRPORT - OAK ISL	4019 LONG BEACH RD SE		SOUTHPORT	NC	NPDES
28461	S117928192		BRUNSWICK COUNTY AIRPORT PHASE II	4019 LONG BEACH ROAD		OAK ISLAND	NC	NPDES, COAL ASH
28461	U004190424		GOGAS 20	4450 LONG BEACH ROAD		SOUTHPORT	NC	UST
28461	1016619576	110004050945	MARTINS AUTO REBUILDERS INC	4652 LONG BEACH RD SE		SOUTHPORT	NC	FINDS
28461	1020583382		COASTAL CAR WASH	4922 LONG BEACH RD SE		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004138586		K & S GAS & GRILL	4922 LONG BEACH ROAD		SOUTHPORT	NC	LUST, UST
28461	1007700348	110018569388	COASTAL CARWASH	4922 LONG BEACH ROAD		SOUTHPORT	NC	FINDS
28461	1001118499	NCR000004945	FLASHBACK 1 HR PHOTO	4961 10 LONG BEACH RD SE		SOUTHPORT	NC	RCRA-NonGen
28461	1016652208	110004055129	FLASHBACK 1 HR PHOTO	4961 10 LONG BEACH RD SE		SOUTHPORT	NC	FINDS
28461	1014956221	NCR000155135	CVS PHARMACY #7382	4961 LONG BEACH RD SE		SOUTHPORT	NC	RCRAInfo-LQG
28461	1016691548	110046410335	CVS PHARMACY #7382	4961 LONG BEACH ROAD SE, SUITE 1		SOUTHPORT	NC	FINDS
28461	U001186422	0-000562	THE BEACH CONNECTION REST	LONG BCH RD STAR RT # 5	**	SOUTHPORT	NC	UST
28461	U004139135		BEACH PANTRY	LONG BEACH	**	LONG BEACH	NC	UST
28461	1007696820	110018534059	BEACH PANTRY	LONG BEACH	**	LONG BEACH	NC	FINDS
28461	1022259658		GARNER JAMES O	LONG BEACH RD	**	SOUTHPORT	NC	EDR Historical Auto Stations

### EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	1021725654		U FILLER UP INC	LONG BEACH ROAD	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1021801630		U FILLER UP INC	LONG BEACH ROAD	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1007709688	110018662801	THE BEACH CONNECTION REST	LONG BEACH ROAD STAR RT # 5	**	SOUTHPORT	NC	FINDS
28461	1020350915		JIMMYS TRANSM & AUTO REPR	1412 LONGLEAF DR		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004139680		BRUNSWICK COMMUNITY COLLEGE	705 N LORD ST		SOUTHPORT	NC	UST
28461	1007706616	110018632103	BRUNSWICK COMMUNITY COLLEGE	705 NORTH LORD STREET		SOUTHPORT	NC	FINDS
28461	U004248002		LOWES FUEL CENTER NO 235	3257 LOWES FOOD BLVD		OAK ISLAND	NC	UST
28461	S118755557		TERRY L. LEE PROPERTY	LTS 22 AND 23, BLOCK 8, HOWE S		SOUTHPORT	NC	
28461	2017195419		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2003647306		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2005778620		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2009901243		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2005764340		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2011977657		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2006815419		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2017200411		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2012022433		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2015122419		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2005783002		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2012027886		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2004738993		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2006805289		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2014095235		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2017200370		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2005758491		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2006818709		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	2006805734		#6A MARINA WYND	#6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	ERNS
28461	U004139660		BALD HEAD ISLAND MARINA	6A MARINA WYND	A, West, 0 - 1/8	BALD HEAD ISLAND	NC	UST
28461	S108407946	32384	BALD HEAD ISLAND MARINA	8 MARINA WYND	A, SSW, 0 - 1/8	BALD HEAD ISLAND	NC	LUST
28461	S109504740		PATTERSON, STEVE - SFR	3554 MEDINAH E		SOUTHPORT	NC	UIC
28461	1012183460	NCP032009008	THE OLD BOLDY FOUNDATION INC	2C MERCHANTS ROW		BALD HEAD ISLAND	NC	RCRA-NonGen
28461	1012106360	110038886989	THE OLD BOLDY FOUNDATION INC	2C MERCHANTS ROW		BALD HEAD ISLAND	NC	FINDS
28461	U004139239		DEPARTMENT OF THE ARMY	MILITARY OCEAN TERMINAL SUNNY PT	**	SOUTHPORT	NC	UST
28461	2003702264			MILITARY OCEAN TERMINAL-SUNNY POIN	**	SOUTHPORT	NC	ERNS
28461	S107780659		SOUTHPORT MANUFACTURING FACILITY	1730 E MOORE ST SE		SOUTHPORT	NC	NPDES
28461	1000443194	28461PFZRNEA	ADM SOUTHPORT	1730 E MOORE ST SE		SOUTHPORT	NC	ICIS, IMD, TRIS
28461	S117916686		SOUTHPORT MANUFACTURING FACILITY	1730 E MOORE ST SE		SOUTHPORT	NC	NPDES
28461	1016145934		SOUTHPORT MANUFACTURING FACILITY	1730 E MOORE ST SE		SOUTHPORT	NC	
28461	1005925555		ADM - SOUTHPORT	1730 E. MOORE ST., SE		SOUTHPORT	NC	TSCA
28461	98457687			1730 EAST MOORE ST SE		SOUTHPORT	NC	ERNS
28461	99469928			1730 EAST MOORE ST SE		SOUTHPORT	NC	ERNS
28461	2005749474			1730 EAST MOORE ST SE		SOUTHPORT	NC	ERNS
28461	98434550			1730 EAST MOORE ST SE		SOUTHPORT	NC	ERNS
28461	97413736			1730 EAST MOORE ST SE		SOUTHPORT	NC	ERNS
28461	1023968225	110070208347	E D & F MAN MOLASSES B.V.	1730 EAST MOORE STREET		SOUTHPORT	NC	RCRA-NonGen, FINDS
28461	1024034686		E D & F MAN MOLASSES B.V.	1730 EAST MOORE STREET		SOUTHPORT	NC	
28461	1014197515		ADM-SOUTHPORT	1730 EAST MOORE STREET SE		SOUTHPORT	NC	TSCA
28461	A100186616	10009	ADM COMPANY, SOUTHPORT PLANT	1730 EAST MOORE STREET, S.E.		SOUTHPORT	NC	AST
28461	1005925556		ADM - SOUTHPORT	1730 EAST MOORE STREET, SE		SOUTHPORT	NC	TSCA
28461	S121514491		ARCHER DANIELS MIDLAND COMPANY	1730 EAST MOORE STREET, SE		SOUTHPORT	NC	
28461	2000528719			1730 MOORE STREET EXTENTION		SOUTH PORT	NC	ERNS
28461	U004139039		BALD HEAD ISLAND MARINA	704 E. MOORE STREET		BALD HEAD ISLAND	NC	UST
28461	1005931458		PFIZER INC	E MOORE ST EXT		SOUTHPORT	NC	TSCA
28461	1015735156	NCD075578385	PFIZER INC	MOORE ST		SOUTH PORT	NC	CERCLIS-NFRAP, RCRA-CESQG
28461	91100702			MOORE ST EXT.	**	SOUTHPORT	NC	ERNS
28461	96371074			MOORE ST EXTENTION	**	SOUTH PORT	NC	ERNS
28461	97408170			MOORE ST EXTENTION	**	SOUTH PORT	NC	ERNS
28461	S112547809		PFIZER INC.	MOORE ST.		SOUTHPORT	NC	
28461	1003869562	NCD986215671	ARCHER DANIELS MIDLAND ADM PCB SP	MOORE ST. EXTN. P. O. BOX 10640	**	SOUTHPORT	NC	CERCLIS-NFRAP
28461	1005931461		PFIZER INC	MOORE STREET		SOUTHPORT	NC	TSCA
28461	92123070			MOORE STREET	**	SOUTHPORT	NC	ERNS
28461	92105779			MOORE STREET	**	SOUTHPORT	NC	ERNS
28461	92116775			MOORE STREET	**	SOUTHPORT	NC	ERNS
28461	94220392			MOORE STREET EXT	**	SOUTHPORT	NC	ERNS
28461	2002625259			MORRES STREET EXT	**	SOUTHPORT	NC	ERNS
28461	98419244			MORRES STREET EXT	**	SOUTHPORT	NC	ERNS
28461	96370553			MORRES STREET EXT	**	SOUTHPORT	NC	ERNS
28461	S115777503		TOM AND DIANA BLOOMER RESIDENCE	3172 MOSS HAMMOCK WYND LOT 76		SOUTHPORT	NC	UIC

### EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	S104913542	16970	OHMS ELECTRIC (GENERATOR) - MOTSU	MOTSU BUILDINGS S-1 AND S-15		SOUTHPORT	NC	IMD
28461	98436812			MOUTH OF BALL HEAD ISLAND	**	BALL HEAD ISLAND	NC	ERNS
28461	1023655610	110070066420	TRUENORTH TRANSPORT, LLC	N/A	**	CAPE FEAR	NC	FINDS
28461	1020583461		NAUTICAL MILE SHELL SHOP	110 E NASH ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	96362797			1468 NICHOLS AVE		SOUTHPORT	NC	ERNS
28461	1014474758		CAROLINA POWER & LIGHT CO.	P. O. BOX 10429		SOUTHPORT	NC	MLTS
28461	S111161508		MATTHEW & PATRICIA O'CONNELL SFR	2740 OAK FOREST DR		SOUTHPORT	NC	UIC
28461	1021113931		JIFFY TACKLE SHOP	505 E OAK ISLAND	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1020236302		JIFFY TACKLE SHOP	5201 E OAK ISLAND	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	S107504296	0-024203	JIFFY BAIT AND TACKLE	5201 OAK ISLAND DR.	**	LONG BEACH	NC	LUST TRUST, IMD, LUST
28461	1020314101		JERNIGANS UNICO SERVICE	6412 OAK ISLAND DR	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1020523765		AMANS TEXACO SERVICE	OCEAN HIGHWAY & KAZIAA ST	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1020902742		JOYCE HERMAN E	OCEAN HWY & 64TH ST	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1021300645		JOYCE HERMAN E	OCEAN HWY & 64TH ST	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1020322637		JOYCE HERMAN E	OCEAN HWY & 64TH STREET	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1020295246		AMANS TEXACO SERVICE	OCEAN HWY & KAZIAA ST	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1021755461		AMANS TEXACO SERVICE	OCEAN HWY AT KIZIAA ST	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1011594860	110013700726	WETLANDS (SPRUNT, LAURENCE)	OFF NC HWY. 87	**	WILMINGTON	NC	ICIS, FINDS
28461	94255100			2100 OLD BRIDGE RD	**	SOUTHPORT	NC	ERNS
28461	S117918452		AMERICAN FISH COMPANY BOAT & META	3600 OLD BRIDGE RD		SOUTHPORT	NC	NPDES
28461	1010226608	110029521051	AMERICAN FISH COMPANY BOAT & META	3600 OLD BRIDGE RD		SOUTHPORT	NC	FINDS
28461	U004139191		ADM SOUTHPORT	OLD RIVER ROAD	**	SOUTHPORT	NC	UST
28461	1007714169	110018707728	ADM SOUTHPORT	OLD RIVER ROAD	**	SOUTHPORT	NC	FINDS
28461	1009668644	110025394543	RESERVE DEVELOPMENT COMPANY, LIM	PALADIN DRIVE BRUNSWICK COUNTY	**	SOUTHPORT	NC	FINDS
28461	S102611334	17323	CITY OF SOUTHPORT-PARK AVE. LIFT ST	PARK AVE.	**	SOUTHPORT	NC	IMD, LUST
28461	U004138797		LIFT STATION	PARK AVENUE	**	SOUTHPORT	NC	UST
28461	1010019104	110027999628	THE RESERVE DEVELOPMENT CORPORA	PARKRIDGE DRIVE INSIDE THE RESERVE	**	SOUTHPORT	NC	FINDS
28461	1023963278	28461CGNTR12	CPI USA NORTH CAROLINA LLC	1281 POWER HO US E DR SE		SOUTHPORT	NC	TRIS
28461	S117919750		SOUTHPORT POWER PLANT	1281 POWER HOUSE DR SE		SOUTHPORT	NC	NPDES
28461	S121514494		CPI USA NORTH CAROLINA - SOUTHPOR	1281 POWER HOUSE DR SE		SOUTHPORT	NC	
28461	S122371300		NATIONAL SALVAGE & SERVICE SOUTH	1281 POWERHOUSE DR		SOUTHPORT	NC	
28461	1024138700		NATIONAL SALVAGE & SERVICE SOUTH	1281 POWERHOUSE DR	**	SOUTHPORT	NC	
28461	1016094968	110070236423	CPI POWER PLANT	1281 POWERHOUSE DR SE		SOUTHPORT	NC	FINDS
28461	1021425433		SAMPSON-BLADEN OIL CO INC	5043 S PRT SUP RD SE	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	S113492239		PEGGY & ROBERT WATERMAN SFR	3058 W RANCH RD	**	SOUTHPORT	NC	NPDES
28461	S108407943	32381	SCHEID ESTATE	1040 RIVER ROAD		SOUTHPORT	NC	LUST
28461	1007712611	110018692100	JOHN C. CAMPBELL ESTATE	124 RIVER DRIVE		SOUTHPORT	NC	FINDS
28461	U004139477		JOHN C. CAMPBELL ESTATE	124 RIVER DRIVE		SOUTHPORT	NC	UST
28461	S109504792		SHERROD, BILL - SFR	224 RIVER RD		SOUTHPORT	NC	UIC
28461	1009406330	110024940965	36592	234 RIVER ROAD		SOUTHPORT	NC	FINDS
28461	1021598721		RIVER ROAD TRADING POST	8109 RIVER RD		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1020750248		INA OIL COMPANY	8147 RIVER ROAD		SOUTHPORT	NC	EDR Historical Auto Stations
28461	2016006461		8470 RIVER RD	8470 RIVER RD		SOUTHPORT	NC	HMIRS
28461	1024019034	110070114290	BRUNSWICK STEAM ELECTRIC PLANT	8470 RIVER RD SE		SOUTHPORT	NC	FINDS
28461	1016145872		BRUNSWICK STEAM ELECTRIC PLANT	8470 RIVER RD SE		SOUTHPORT	NC	
28461	S117411875		BRUNSWICK STEAM ELECTRIC PLANT	8470 RIVER RD SE		SOUTHPORT	NC	NPDES
28461	S121514490		DUKE ENERGY PROGRESS, LLC - BRUNS	8470 RIVER ROAD		SOUTHPORT	NC	
28461	1007713269		DUKE ENERGY PROGRESS, LLC - BRUNS	8470 RIVER ROAD		SOUTHPORT	NC	
28461	2011990196			8470 RIVER ROAD, SE		SOUTHPORT	NC	ERNS
28461	2008870140			8470 RIVER ROAD, SE		SOUTHPORT	NC	ERNS
28461	1007720765	110018773950	OBSOLETE (CP L VISITOR MEDIA CENTEF	8520 RIVER ROAD		SOUTHPORT	NC	FINDS
28461	2017168631			8520 RIVER ROAD SE		SOUTHPORT	NC	ERNS
28461	1016661054	110004061844	THOMAS P LANGDON RESIDENCE	8696 RIVER RD SE		SOUTHPORT	NC	FINDS
28461	1004747345	NCS000000120	THOMAS P LANGDON RESIDENCE	8696 RIVER RD SE		SOUTHPORT	NC	RCRA-NonGen
28461	1011608455	110028154869	STEWART HARDWARE	8848 RIVER ROAD		SOUTHPORT	NC	ICIS, FINDS
28461	S106936294	32200	THOMPSON PROPERTY	8858 RIVER ROAD		SOUTHPORT	NC	IMD, LUST
28461	1000831916	NCD986215077	RIVER RUN CLEANERS	RIVER RUN CTR HWY 133 &		SOUTHPORT	NC	RCRA-CESQG
28461	S111445145		SULLYS OIL RECOVERY	10518 ROYSTER ROAD		LELAND	NC	SHWS

### EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	S110493158		LOUIS AND CAROL PANIGUTTI SFR	2632 SAINT JAMES DR SE		SOUTHPORT	NC	UIC
28461	1010017486	110027983387	PANIGUTTI, LOUIS	2632 SAINT JAMES DRIVE SOUTH EAST		SOUTHPORT	NC	FINDS
28461	S113491649		SOUTHEAST BRUNSWICK SANITARY DIST	4362 SEAPINES DR SE		SOUTHPORT	NC	NPDES
28461	S103131775	17503	ADM PROPERTY-AWMS SPILLS	1791 SHEPPARD RD		SOUTHPORT	NC	IMD, LUST
28461	S105120389	23415	FOX SQUIRREL COUNTRY CLUB	591 SOUTH SHORE DRIVE		BOILING SPRINGS LAKE	NC	LUST TRUST, IMD, LUST
28461	S121514497		SOUTHPORT CONCRETE CORPORATION	3710 SKYVIEW LANE		SOUTHPORT	NC	
28461	1011827514		HIGHWAY 211 WATER TREATMENT PLAN	4305 SOUTHPORT SUPPLY RD. SE		SOUTHPORT	NC	RMP
28461	1020135444		SAMPSON-BLADEN OIL COMPANY INC	5043 SOUTHPORT SUP RD SE	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004138943		HAN-DEE HUGO'S 7	5043 SOUTHPORT SUPPLY RD		SOUTHPORT	NC	UST
28461	1007698316	110018549034	HAN-DEE HUGO S #7	5043 SOUTHPORT SUPPLY ROAD		SOUTHPORT	NC	FINDS
28461	1024164804		LOWE'S OF SOUTHPORT #682	5084 SOUTHPORT - SUPPLY ROAD SOUTI		SOUTHPORT	NC	
28461	S113492157		SOUTHPORT CROSSING WWTF	SOUTHPORT FERRY RD	**	SOUTHPORT	NC	NPDES
28461	2002613100			SOUTHPORT WEST W STREET		SOUTHPORT	NC	ERNS
28461	1018296151		BEAVERDAM CREEK WTP	4305 SOUTHPORT-SUPPLY HWY		SOUTHPORT	NC	ICIS
28461	1011827515		HIGHWAY 211 WATER TREATMENT PLAN	4305 SOUTHPORT-SUPPLY RD., SE		SOUTHPORT	NC	RMP
28461	S106799813	32211	HANDEE HUGO #7	5043 SOUTHPORT-SUPPLY ROAD		SOUTHPORT	NC	IMD, LUST
28461	U004139651		BRUNSWICK ELECTRIC MEMBERSHIP CO	4335 SOUTHPORT/SUPPLY RD		SOUTHPORT	NC	UST
28461	U001199955	0-021614	PUBLIC WORKS BUILDING	210 11TH ST		SOUTHPORT	NC	UST
28461	S117918409		SOUTHPORT MARINA	606 W ST - W		SOUTHPORT	NC	NPDES
28461	2004719023			606 W. ST.		SOUTHFORK	NC	ERNS
28461	2009925720			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2012010269			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2012030126			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2010936388			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014099933			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2015109527			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014084352			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014094441			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014081546			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2007850970			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014087334			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014096181			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014094488			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014098365			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	1007710923	110018675183	BRUNSWICK COUNTY SCHOOLS	STAR RT HIGHWAY 133	**	SOUTHPORT	NC	FINDS
28461	1009662639	110025391065	LANVALE PROPERTIES LIMITED LIABILITY	STATE ROAD 1438 BRUNSWICK CO	**	SOUTHPORT	NC	FINDS
28461	1009403610	110024933802	CAMERON L SMITH AND SON PROPRTIE	STONE CHIMMIEY ROAD	**	SOUTHPORT	NC	FINDS
28461	1019995867		GLAM-O-RAMA OF SOUTHPORT	715HOWE STREET	**	SOUTHPORT	NC	EDR Historical Cleaners
28461	S120839943		CITY OF SOUTHPORT WASTEWATER TRE	901 WEST STREET		SOUTHPORT	NC	LUST
28461	U004139311		LIFT STATION	9TH STREET	**	SOUTHPORT	NC	UST
28461	S117056017		EDWARD AND TRACEY O'REILLY	2606 SUGAR MAPLE CT		SOUTHPORT	NC	UIC
28461	U003562945	0-022825	MILITARY OCEAN TERMINAL	6280 SUNNY POINT RD		SOUTHPORT	NC	LUST, UST
28461	1016114529	110006369839	MILITARY OCEAN TERMINAL / SUNNY POI	6280 SUNNY POINT RD		SOUTHPORT	NC	ICIS, FINDS
28461	S117919699		MILITARY OCEAN TERMINAL / SUNNY POI	6280 SUNNY POINT RD		SOUTHPORT	NC	NPDES
28461	2008859291			6280 SUNNY PORT ROAD		SOUTHPORT	NC	ERNS
28461	2008859085			6280 SUNNY PORT ROAD		SOUTHPORT	NC	ERNS
28461	2009910067			8290 SUNNY POINT ROAD	**	SOUTHPORT	NC	ERNS
28461	2009896126			8290 SUNNY POINT ROAD	**	SOUTHPORT	NC	ERNS
28461	1009776739	110027919625	CENTEX HOMES-MYRTLE BEACH	J SWAIN BOULEVARD BRUNSWICK COUN	**	SOUTHPORT	NC	FINDS
28461	S112337111		BALD HEAD ISLAND WASTE OIL	THE CHANDLER BLDG.	**	BLAD HEAD ISLAND	NC	
28461	1023650785	110070061292	DOSHER HELIPORT	UNKNOWN	**	SOUTHPORT	NC	FINDS
28461	S117056024		JOHN DELANEY RESIDENCE	304 W W ST		SOUTHPORT	NC	UIC
28461	2015117797			606 W WEST ST.		SOUTHPORT	NC	ERNS
28461	2015127330			606 W WEST ST.		SOUTHPORT	NC	ERNS
28461	2015121957			606 W WEST ST.		SOUTHPORT	NC	ERNS
28461	99501861			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2005760786			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	99500353			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2005756296			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2002612242			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2005761401			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2003637309			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2013060903			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2013037401			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2013066028			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2013067816			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2011982219			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2012017843			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2012028245			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2012021227			606 W. WEST		SOUTHPORT	NC	ERNS

### EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	2011972536			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2003703072			606 W. WEST ST		SOUTHPORT	NC	ERNS
28461	2013067987			606 W. WEST ST		SOUTHPORT	NC	ERNS
28461	2014073063			606 W. WEST ST		SOUTHPORT	NC	ERNS
28461	2016158642			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2005773062			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018215018			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2017181270			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018218107			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	S103130380	17933	SOUTHPORT MARINA, INC.	606 W. WEST ST.		SOUTHPORT	NC	IMD, LUST
28461	2005755163			606 W. WEST ST.		SOUTH PORT	NC	ERNS
28461	2018209333			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2017176276			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018217622			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2017184519			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2017182933			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2004739648			606 W. WEST ST.		SOUTH PORT	NC	ERNS
28461	2016161694			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2016155710			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018221014			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2017178199			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2015127736			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2015134742			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2015135081			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018207991			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018218225			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2004740238			606 W. WEST ST.		SOUTH PORT	NC	ERNS
28461	2016137556			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2016137132			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2014089954			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2018216335			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2018218816			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2014083959			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2018205563			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2008869421			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2007853281			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	1017807677	110064221006	SOUTHPORT MARINA, INC.	606 W. WEST STREET		SOUTHPORT	NC	FINDS
28461	2017198209			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2018216338			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2017184337			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2010959185			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2010947215			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2014099646			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2003703759			606 WEST WEST ST.		SOUTH PORT	NC	ERNS
28461	2014082047			606 WEST WEST ST.		SOUTHPORT	NC	ERNS
28461	2001562489			606 WEST WEST ST.		SOUTH PORT	NC	ERNS
28461	1009403599	110024934400	36715	606 WEST WEST STREET		SOUTHPORT	NC	FINDS
28461	2018204316			606 WEST WEST STREET		SOUTHPORT	NC	ERNS
28461	2007842191			606 WEST WEST STREET		SOUTHPORT	NC	ERNS
28461	U004139242		FOSTERS MARKET	614 W WEST STREET		SOUTHPORT	NC	UST
28461	1007723893	110018805328	FOSTERS MARKET AND SUPPLY	614 WEST WEST STREET		SOUTHPORT	NC	FINDS
28461	U001201742	0-024410	WASTEWATER TREATMENT PLANT	901 W WEST STREET		SOUTHPORT	NC	UST
28461	1007710484	110018670810	SOUTHPORT, CITY OF	901 WEST WEST STREET		SOUTHPORT	NC	FINDS
28461	1020807895		SOUTHPORT MARINA INC	W WEST STREET	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	S105766101	17322	CITY OF SOUTHPORT WEST-WEST LIFT S	W. WEST ST.		SOUTHPORT	NC	IMD, LUST
28461	1017807676	110064220980	SOUTHPORT MARINA, INCORPORATED	WEST WEST STREET	**	SOUTHPORT	NC	FINDS
28461	U001200162	0-021919	SOUTHPORT MARINA, INC.	WEST WEST STREET		SOUTHPORT	NC	UST
28461	U004139218		LIFT STATION	WEST WEST STREET	**	SOUTHPORT	NC	UST
28461	1007725375	110018820150	BALD HEAD ISLAND MARINA	1 WHALEBONE CIRCLE	**	SOUTHPORT	NC	FINDS
28461	S112336777		BALDHEAD ISLAND DREDGE SPOIL S	WHALEBONE CIRCLE, BALD HEAD IS		SOUTHPORT	NC	
28461	S111826273		ARTHUR AND SHERRY DAUN, JR. SFR	4454 WILD RYE DR SE		SOUTHPORT	NC	UIC
28461	S117056019		MITCHELL RESIDENCE	314 WILLIS DR		SOUTHPORT	NC	UIC
28461	S110729216		WILLIAM & JANE HASELHOFF SFR	2588 WOODCREST LN		SOUTHPORT	NC	UIC
28461	97394236			100 YACHT BASIN DR		SOUTH PORT	NC	ERNS
28461	1015931553	110045583463	SOUTHPORT FISHMARKET	100 YACHT BASIN ST		SOUTHPORT	NC	FINDS
28461	93201479			100 YACHT BASIN ST		SOUTHPORT	NC	ERNS
28461	U001558666	0-033505	SOUTHPORT FISH MARKET CO	100 YACHT BASIN STREET		SOUTHPORT	NC	IMD, LUST, UST
28461	2008861830			106 YACHT BASIN STREET		SOUTH PORT	NC	ERNS
28461	1009778823	110027920276	CAPE FEAR TRADING GROUP IV LIMITED	115 YACHT BASIN		SOUTHPORT	NC	FINDS
28461	S110729226		MARK DIXON SFR	203 YAUPON DR		SOUTHPORT	NC	UIC

### EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	1021881144		S & S BEACH STOP	701 YAUPON DR	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1007697871	110018544583	S AND S BEACH STOP	701 YAUPON DRIVE	**	YAUPON BEACH	NC	EDR Historical Auto Stations
28461	U001201298	0-023745	S & S BEACH STOP	701 YAUPON DRIVE	**	YAUPON BEACH	NC	UST
28461	1021057216		YAUPON EXXON	819 YAUPON DR	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1022053242		AMANS TEXACO SERVICE	YAUPON BEACH	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1020351611		YAUPON EXXON	YAUPON BEACH	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1021184309		AMANS TEXACO SERVICE	YAUPON DRIVE	**	SOUTHPORT	NC	EDR Historical Auto Stations

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **STANDARD ENVIRONMENTAL RECORDS**

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 11/14/2018	Source: EPA
Date Data Arrived at EDR: 11/27/2018	Telephone: N/A
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 11/14/2018	Source: EPA
Date Data Arrived at EDR: 11/27/2018	Telephone: N/A
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 11/14/2018  
Date Data Arrived at EDR: 11/27/2018  
Date Made Active in Reports: 12/07/2018  
Number of Days to Update: 10

Source: EPA  
Telephone: N/A  
Last EDR Contact: 12/28/2018  
Next Scheduled EDR Contact: 04/15/2019  
Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016  
Date Data Arrived at EDR: 01/05/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 92

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 07/06/2018  
Next Scheduled EDR Contact: 10/15/2018  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/14/2018  
Date Data Arrived at EDR: 11/27/2018  
Date Made Active in Reports: 12/07/2018  
Number of Days to Update: 10

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 12/28/2018  
Next Scheduled EDR Contact: 01/28/2019  
Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 11/14/2018	Source: EPA
Date Data Arrived at EDR: 11/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 9	Next Scheduled EDR Contact: 01/28/2019
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018	Source: EPA
Date Data Arrived at EDR: 03/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 10/17/2018	Source: Department of the Navy
Date Data Arrived at EDR: 10/25/2018	Telephone: 843-820-7326
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 10/15/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 02/25/2019
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 11/28/2018
Number of Days to Update: 17	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 11/28/2018
Number of Days to Update: 17	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Federal ERNS list**

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/24/2018

Date Data Arrived at EDR: 09/25/2018

Date Made Active in Reports: 11/09/2018

Number of Days to Update: 45

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 12/21/2018

Next Scheduled EDR Contact: 04/08/2019

Data Release Frequency: Quarterly

## **State- and tribal - equivalent NPL**

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 08/09/2011

Date Data Arrived at EDR: 11/08/2011

Date Made Active in Reports: 12/05/2011

Number of Days to Update: 27

Source: North Carolina Center for Geographic Information and Analysis

Telephone: 919-754-6580

Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019

Data Release Frequency: Biennially

## **State- and tribal - equivalent CERCLIS**

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/19/2018

Date Data Arrived at EDR: 09/13/2018

Date Made Active in Reports: 10/16/2018

Number of Days to Update: 33

Source: Department of Environment, Health and Natural Resources

Telephone: 919-508-8400

Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 03/25/2019

Data Release Frequency: Quarterly

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

SWF/LF: List of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/18/2018

Date Data Arrived at EDR: 06/27/2018

Date Made Active in Reports: 07/25/2018

Number of Days to Update: 28

Source: Department of Environment and Natural Resources

Telephone: 919-733-0692

Last EDR Contact: 12/26/2018

Next Scheduled EDR Contact: 04/08/2019

Data Release Frequency: Varies

OLI: Old Landfill Inventory

Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 08/15/2017

Date Data Arrived at EDR: 10/11/2017

Date Made Active in Reports: 12/14/2017

Number of Days to Update: 64

Source: Department of Environment & Natural Resources

Telephone: 919-733-4996

Last EDR Contact: 10/21/2018

Next Scheduled EDR Contact: 01/21/2019

Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***State and tribal leaking storage tank lists***

### **LUST: Regional UST Database**

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 11/02/2018	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 11/07/2018	Telephone: 919-707-8200
Date Made Active in Reports: 11/19/2018	Last EDR Contact: 11/07/2018
Number of Days to Update: 12	Next Scheduled EDR Contact: 02/18/2019
	Data Release Frequency: Quarterly

### **LAST: Leaking Aboveground Storage Tanks**

A listing of leaking aboveground storage tank site locations.

Date of Government Version: 11/02/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 11/07/2018	Telephone: 877-623-6748
Date Made Active in Reports: 11/19/2018	Last EDR Contact: 11/07/2018
Number of Days to Update: 12	Next Scheduled EDR Contact: 02/18/2019
	Data Release Frequency: Quarterly

### **INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

### **INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-6597
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

### **INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

### **INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land**

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

### **INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3372
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6271
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-8677
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

LUST TRUST: State Trust Fund Database

This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 10/05/2018	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 10/10/2018	Telephone: 919-733-1315
Date Made Active in Reports: 11/19/2018	Last EDR Contact: 10/10/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/21/2019
	Data Release Frequency: Quarterly

## ***State and tribal registered storage tank lists***

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017	Source: FEMA
Date Data Arrived at EDR: 05/30/2017	Telephone: 202-646-5797
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 12/20/2018
Number of Days to Update: 136	Next Scheduled EDR Contact: 01/21/2019
	Data Release Frequency: Varies

UST: Petroleum Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/02/2018  
Date Data Arrived at EDR: 11/07/2018  
Date Made Active in Reports: 11/19/2018  
Number of Days to Update: 12

Source: Department of Environment and Natural Resources  
Telephone: 919-733-1308  
Last EDR Contact: 11/07/2018  
Next Scheduled EDR Contact: 02/18/2019  
Data Release Frequency: Quarterly

## AST: AST Database

Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 06/29/2018  
Date Data Arrived at EDR: 09/18/2018  
Date Made Active in Reports: 10/15/2018  
Number of Days to Update: 27

Source: Department of Environment and Natural Resources  
Telephone: 919-715-6183  
Last EDR Contact: 12/13/2018  
Next Scheduled EDR Contact: 04/01/2019  
Data Release Frequency: Semi-Annually

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 10/26/2018  
Next Scheduled EDR Contact: 02/04/2019  
Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 10/26/2018  
Next Scheduled EDR Contact: 02/04/2019  
Data Release Frequency: Varies

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 10/26/2018  
Next Scheduled EDR Contact: 02/04/2019  
Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 10/26/2018  
Next Scheduled EDR Contact: 02/04/2019  
Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/25/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 10/26/2018  
Next Scheduled EDR Contact: 02/04/2019  
Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 10/26/2018  
Next Scheduled EDR Contact: 02/04/2019  
Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 10/26/2018  
Next Scheduled EDR Contact: 02/04/2019  
Data Release Frequency: Varies

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018  
Date Data Arrived at EDR: 05/18/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 63

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 10/26/2018  
Next Scheduled EDR Contact: 02/04/2019  
Data Release Frequency: Varies

## ***State and tribal institutional control / engineering control registries***

### INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 07/19/2018  
Date Data Arrived at EDR: 09/13/2018  
Date Made Active in Reports: 10/16/2018  
Number of Days to Update: 33

Source: Department of Environment, Health and Natural Resources  
Telephone: 919-508-8400  
Last EDR Contact: 12/12/2018  
Next Scheduled EDR Contact: 03/25/2019  
Data Release Frequency: Quarterly

## ***State and tribal voluntary cleanup sites***

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015  
Date Data Arrived at EDR: 09/29/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 142

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 12/19/2018  
Next Scheduled EDR Contact: 04/08/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Responsible Party Voluntary Action Sites  
Responsible Party Voluntary Action site locations.

Date of Government Version: 07/19/2018	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 09/13/2018	Telephone: 919-508-8400
Date Made Active in Reports: 10/16/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 33	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Listing  
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

## ***State and tribal Brownfields sites***

BROWNFIELDS: Brownfields Projects Inventory  
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

Date of Government Version: 09/04/2018	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 10/03/2018	Telephone: 919-733-4996
Date Made Active in Reports: 10/15/2018	Last EDR Contact: 01/03/2019
Number of Days to Update: 12	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

US BROWNFIELDS: A Listing of Brownfields Sites  
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/18/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/18/2018	Telephone: 202-566-2777
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 12/18/2018
Number of Days to Update: 52	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Semi-Annually

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

SWRCY: Recycling Center Listing  
A listing of recycling center locations.

Date of Government Version: 09/19/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 09/20/2018	Telephone: 919-707-8137
Date Made Active in Reports: 10/16/2018	Last EDR Contact: 10/29/2018
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/11/2019
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST LF: Solid Waste Facility Listing  
A listing of solid waste facilities.

Date of Government Version: 11/06/2006  
Date Data Arrived at EDR: 02/13/2007  
Date Made Active in Reports: 03/02/2007  
Number of Days to Update: 17

Source: Department of Environment & Natural Resources  
Telephone: 919-733-0692  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands  
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 10/25/2018  
Next Scheduled EDR Contact: 02/11/2019  
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 10/22/2018  
Next Scheduled EDR Contact: 02/04/2019  
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 11/02/2018  
Next Scheduled EDR Contact: 02/11/2019  
Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/21/2018  
Date Data Arrived at EDR: 09/21/2018  
Date Made Active in Reports: 11/09/2018  
Number of Days to Update: 49

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/26/2018  
Next Scheduled EDR Contact: 03/11/2019  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/21/2018	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/21/2018	Telephone: 202-307-1000
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 11/26/2018
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Quarterly

## Local Land Records

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/04/2018	Telephone: 202-564-6023
Date Made Active in Reports: 11/16/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Semi-Annually

## Records of Emergency Release Reports

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/27/2018	Telephone: 202-366-4555
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

### SPILLS: Spills Incident Listing

A listing spills, hazardous material releases, sanitary sewer overflows, wastewater treatment plant bypasses and upsets, citizen complaints, and any other environmental emergency calls reported to the agency.

Date of Government Version: 12/12/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 12/17/2018	Telephone: 919-807-6308
Date Made Active in Reports: 12/18/2018	Last EDR Contact: 12/10/2018
Number of Days to Update: 1	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

### IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 07/21/2006	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 08/01/2006	Telephone: 877-623-6748
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/01/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/27/2012  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 03/06/2013  
Number of Days to Update: 62

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 06/14/2001  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 03/06/2013  
Number of Days to Update: 62

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018  
Date Data Arrived at EDR: 03/28/2018  
Date Made Active in Reports: 06/22/2018  
Number of Days to Update: 86

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 12/03/2018  
Next Scheduled EDR Contact: 04/08/2019  
Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015  
Date Data Arrived at EDR: 07/08/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 11/19/2018  
Next Scheduled EDR Contact: 03/04/2019  
Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 888-275-8747  
Last EDR Contact: 10/12/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Semi-Annually

### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 10/12/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: N/A

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 11/16/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/25/2019
	Data Release Frequency: Varies

### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/25/2018	Telephone: 202-566-1917
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 11/05/2018
Number of Days to Update: 88	Next Scheduled EDR Contact: 02/18/2019
	Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 11/09/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 02/18/2019
	Data Release Frequency: Varies

### TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 198	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Every 4 Years

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 01/10/2018	Telephone: 202-566-0250
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 11/16/2018
Number of Days to Update: 2	Next Scheduled EDR Contact: 03/04/2019
	Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 10/24/2018
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Annually

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 08/13/2018	Source: EPA
Date Data Arrived at EDR: 10/04/2018	Telephone: 703-416-0223
Date Made Active in Reports: 11/16/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Annually

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/22/2018	Telephone: 202-564-8600
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 10/23/2018
Number of Days to Update: 44	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018	Source: EPA
Date Data Arrived at EDR: 10/04/2018	Telephone: 202-564-6023
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 36	Next Scheduled EDR Contact: 02/18/2019
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/14/2018	Source: EPA
Date Data Arrived at EDR: 10/11/2018	Telephone: 202-566-0500
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 10/11/2018
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/21/2019
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/09/2018
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/21/2019
	Data Release Frequency: Quarterly

## FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

## FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 10/11/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 12/05/2018
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/03/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 10/26/2018
Number of Days to Update: 15	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/03/2018	Telephone: 202-343-9775
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 01/03/2019
Number of Days to Update: 37	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 10/30/2018  
Next Scheduled EDR Contact: 02/11/2019  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2018  
Date Data Arrived at EDR: 10/12/2018  
Date Made Active in Reports: 12/07/2018  
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 12/17/2018  
Next Scheduled EDR Contact: 04/01/2019  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 09/28/2017  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 11/21/2018  
Next Scheduled EDR Contact: 03/04/2019  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 10/09/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017  
Date Data Arrived at EDR: 09/11/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 3

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 11/01/2018  
Next Scheduled EDR Contact: 02/18/2019  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017  
Date Data Arrived at EDR: 10/11/2017  
Date Made Active in Reports: 11/03/2017  
Number of Days to Update: 23

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 12/14/2018  
Next Scheduled EDR Contact: 03/04/2019  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 08/13/2018  
Date Data Arrived at EDR: 10/04/2018  
Date Made Active in Reports: 11/16/2018  
Number of Days to Update: 43

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 12/28/2018  
Next Scheduled EDR Contact: 04/15/2019  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2018  
Date Data Arrived at EDR: 08/29/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 11/30/2018  
Next Scheduled EDR Contact: 03/11/2019  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 11/30/2018  
Next Scheduled EDR Contact: 03/11/2019  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 11/30/2018  
Next Scheduled EDR Contact: 03/11/2019  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/11/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 3

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 12/19/2018  
Next Scheduled EDR Contact: 03/25/2019  
Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/07/2018  
Date Data Arrived at EDR: 09/05/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 30

Source: EPA  
Telephone: (404) 562-9900  
Last EDR Contact: 12/05/2018  
Next Scheduled EDR Contact: 03/18/2019  
Data Release Frequency: Quarterly

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017  
Date Data Arrived at EDR: 06/19/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 87

Source: Department of Defense  
Telephone: 703-704-1564  
Last EDR Contact: 10/15/2018  
Next Scheduled EDR Contact: 01/28/2019  
Data Release Frequency: Varies

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018  
Date Data Arrived at EDR: 09/05/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 9

Source: Environmental Protection Agency  
Telephone: 202-564-2280  
Last EDR Contact: 12/31/2018  
Next Scheduled EDR Contact: 03/18/2019  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/30/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Varies

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2018	Source: EPA
Date Data Arrived at EDR: 08/22/2018	Telephone: 800-385-6164
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/19/2018
Number of Days to Update: 44	Next Scheduled EDR Contact: 03/04/2019
	Data Release Frequency: Quarterly

## AIRS: Air Quality Permit Listing

A listing of facilities with air quality permits.

Date of Government Version: 09/10/2018	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/13/2018	Telephone: 919-707-8726
Date Made Active in Reports: 10/16/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 33	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

## ASBESTOS: ASBESTOS

Asbestos notification sites

Date of Government Version: 10/31/2018	Source: Department of Health & Human Services
Date Data Arrived at EDR: 12/04/2018	Telephone: 919-707-5973
Date Made Active in Reports: 12/18/2018	Last EDR Contact: 11/19/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

## COAL ASH: Coal Ash Disposal Sites

A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 09/06/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 09/19/2018	Telephone: 919-807-6359
Date Made Active in Reports: 10/15/2018	Last EDR Contact: 09/19/2018
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/11/2019
	Data Release Frequency: Varies

## DRYCLEANERS: Drycleaning Sites

Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 04/23/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 06/20/2018	Telephone: 919-508-8400
Date Made Active in Reports: 07/25/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/02/2018  
Date Data Arrived at EDR: 11/07/2018  
Date Made Active in Reports: 11/19/2018  
Number of Days to Update: 12

Source: Department of Environment & Natural Resources  
Telephone: 919-733-1322  
Last EDR Contact: 11/07/2018  
Next Scheduled EDR Contact: 02/18/2019  
Data Release Frequency: Quarterly

## Financial Assurance 2: Financial Assurance Information Listing

Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/02/2012  
Date Data Arrived at EDR: 10/03/2012  
Date Made Active in Reports: 10/26/2012  
Number of Days to Update: 23

Source: Department of Environmental & Natural Resources  
Telephone: 919-508-8496  
Last EDR Contact: 12/20/2018  
Next Scheduled EDR Contact: 04/08/2019  
Data Release Frequency: Varies

## Financial Assurance 3: Financial Assurance Information

Hazardous waste financial assurance information.

Date of Government Version: 06/11/2018  
Date Data Arrived at EDR: 06/12/2018  
Date Made Active in Reports: 07/25/2018  
Number of Days to Update: 43

Source: Department of Environment & Natural Resources  
Telephone: 919-707-8222  
Last EDR Contact: 12/07/2018  
Next Scheduled EDR Contact: 03/25/2019  
Data Release Frequency: Varies

## NPDES: NPDES Facility Location Listing

General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 10/01/2018  
Date Data Arrived at EDR: 10/31/2018  
Date Made Active in Reports: 11/19/2018  
Number of Days to Update: 19

Source: Department of Environment & Natural Resources  
Telephone: 919-733-7015  
Last EDR Contact: 10/31/2018  
Next Scheduled EDR Contact: 02/11/2019  
Data Release Frequency: Varies

## UIC: Underground Injection Wells Listing

A listing of uncerground injection wells locations.

Date of Government Version: 09/10/2018  
Date Data Arrived at EDR: 09/13/2018  
Date Made Active in Reports: 10/16/2018  
Number of Days to Update: 33

Source: Department of Environment & Natural Resources  
Telephone: 919-807-6412  
Last EDR Contact: 11/30/2018  
Next Scheduled EDR Contact: 03/18/2019  
Data Release Frequency: Quarterly

## AOP: Animal Operation Permits Listing

This listing includes animal operations that are required to be permitted by the state.

Date of Government Version: 01/26/2018  
Date Data Arrived at EDR: 03/09/2018  
Date Made Active in Reports: 06/07/2018  
Number of Days to Update: 90

Source: Department of Environmental Quality  
Telephone: 919-707-9129  
Last EDR Contact: 12/14/2018  
Next Scheduled EDR Contact: 03/25/2019  
Data Release Frequency: Varies

## EDR HIGH RISK HISTORICAL RECORDS

### ***EDR Exclusive Records***

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### ***Exclusive Recovered Govt. Archives***

#### RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/24/2013  
Number of Days to Update: 176

Source: Department of Environment, Health and Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/13/2014  
Number of Days to Update: 196

Source: Department of Environment, Health and Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/20/2013  
Number of Days to Update: 172

Source: Department of Environment, Health and Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

## CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/12/2018  
Date Data Arrived at EDR: 11/14/2018  
Date Made Active in Reports: 12/04/2018  
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 11/14/2018  
Next Scheduled EDR Contact: 02/25/2019  
Data Release Frequency: No Update Planned

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 07/13/2018  
Date Made Active in Reports: 08/01/2018  
Number of Days to Update: 19

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 10/09/2018  
Next Scheduled EDR Contact: 01/21/2019  
Data Release Frequency: Annually

## NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/01/2018  
Date Data Arrived at EDR: 10/31/2018  
Date Made Active in Reports: 12/20/2018  
Number of Days to Update: 50

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 10/31/2018  
Next Scheduled EDR Contact: 02/11/2019  
Data Release Frequency: Quarterly

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 10/23/2018  
Date Made Active in Reports: 11/27/2018  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 10/15/2018  
Next Scheduled EDR Contact: 01/28/2019  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 02/23/2018  
Date Made Active in Reports: 04/09/2018  
Number of Days to Update: 45

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 11/16/2018  
Next Scheduled EDR Contact: 03/04/2019  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 06/15/2018  
Date Made Active in Reports: 07/09/2018  
Number of Days to Update: 24

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 12/07/2018  
Next Scheduled EDR Contact: 03/25/2019  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

## Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## Public Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## Private Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Child Care Facility List  
Source: Department of Health & Human Services  
Telephone: 919-662-4499

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA  
Telephone: 877-336-2627  
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory  
Source: US Fish & Wildlife Service  
Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map  
Source: U.S. Geological Survey

### **STREET AND ADDRESS INFORMATION**

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**Phase I Environmental Site Assessment**  
**Bald Head Island Ferry Terminal**  
Southport, Brunswick County, North Carolina  
S&ME Project No. 4305-19-004



## **Appendix III – Parcel Information and Historical Research Documentation**



Brunswick County Web Site

Brunswick County - Basic Search

[Basic Search](#)   [Real Estate Search](#)   [Tax Bill Search](#)   [Sales Search](#)   [Help](#)

[View Property Record for this Parcel](#)   [View Map for this Parcel](#)   [View Tax Bill Information](#)

Parcel #: 2600000503   Tax Year: 2017   Account #: 30038860

<b>Owner Information</b> BALD HEAD ISLAND LIMITED LLC PO BOX 3069 BALD HEAD ISLAND, NC 28461	<b>Tax Codes</b> C ADVL TAX - BRUNSWICK COUNTY SM ADVL TAX - DOSHER HOSP TAX CI33ADVL TAX - BHI MSD ZONE A
---	---

<b>Property Information</b> Land (Units/Type): 2.470 AC Address:	<b>Township</b> Smithville
--	-------------------------------

<b>Deed Information</b> Date: 06/1983 Book: 00532 Page: 0546 Plat Book: Page:	<b>Local Zoning</b> PD-3
---	-----------------------------

<b>Legal Description</b> L-1 2.47ACRES PL 71/39 BALD HEAD ISLAND LND	<b>PIN</b> 300401371559
---	----------------------------

Property Values	
Building:	437,550
OBXF:	51,770
Land:	165,000
Market:	654,320
Assessed:	654,320
Deferred:	0

INCLUDES FERRY  
LANDING

FROM  
BHE  
CORP

Sales Information

No.	Book	Page	Month	Year	Instrument	Qual/UnQual	Improved	Price
1	00244	0255	01	1900	WD	Unqualified	Vacant	0
2	00532	0546	06	1983	WD	Unqualified	Vacant	0

[View Property Record for this Parcel](#)   [View Map for this Parcel](#)   [View Tax Bill Information](#)

[<< Return to Basic Search](#)

All information on this site is prepared for the inventory of real and personal property found within Brunswick County. All data is compiled from recorded deeds, plats, and other public records and data. Users of this data are hereby notified that the aforementioned public information sources should be consulted for verification of the information. All information contained herein was created for the Brunswick County's internal use. Brunswick County, its employees and agents make no warranty as to the correctness or accuracy of the information set forth on this site whether express or implied, in fact or in law, including without limitation the implied warranties of merchantability and fitness for a particular use.

If you have any questions about the data displayed on this website please contact the Brunswick County Assessors Office at (910) 253-2811.  
1.7.95.273

201100  
 STATE OF NORTH CAROLINA  
 JUN 14 1983  
 REG. 10728  
 Real Estate Excise Tax  
 900.00  
 6-14-83

FILED FOR REGISTRATION  
 BOOK 532 PAGE 546  
 1983 JUN 14 PM 4:41

ROBERT J. ROBINSON  
 REGISTER OF DEEDS  
 BRUNSWICK COUNTY, N.C.

001750  
 STATE OF NORTH CAROLINA  
 JUN 14 1983  
 REG. 10728  
 Real Estate Excise Tax  
 900.00  
 6-14-83

BOOK 532 PAGE 546

001755  
 STATE OF NORTH CAROLINA  
 JUN 14 1983  
 REG. 10728  
 Real Estate Excise Tax  
 900.00  
 6-14-83

Mail after recording to:

This instrument was prepared by: Hinton and Bruckel

Brief description for the Index: Bald Head Island and .923 acre tract in Southport

NORTH CAROLINA  
 BRUNSWICK COUNTY  
 GENERAL WARRANTY DEED

THIS DEED made this 1st day of June, 1983, by and between BALD HEAD ISLAND CORPORATION, a North Carolina corporation, Grantor, and BALD HEAD ISLAND LIMITED, a Texas limited partnership, Grantee, P. O. Box 4000, The Woodlands, Texas 77380.

The designation "Grantor" and "Grantee" as used herein shall include said parties, their successors and assigns.

W I T N E S S E T H :

That the Grantor, for the sum of One Dollar (\$1.00) and other valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has, and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, that certain lot or parcel of land situated in Smithville Township, Brunswick County, North Carolina, and more particularly described as follows:

SEE SCHEDULE A ATTACHED HERETO AND INCORPORATED  
 HEREIN BY REFERENCE.

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

Handwritten notes in a box: BHA-83, 103

D/50-5

STATE OF NORTH CAROLINA  
 JUN 14 1983  
 REG. 10728  
 Real Estate Excise Tax  
 900.00  
 6-14-83

STATE OF NORTH CAROLINA  
 JUN 14 1983  
 REG. 10728  
 Real Estate Excise Tax  
 900.00  
 6-14-83



Brunswick County Web Site

Brunswick County - Basic Search

[Basic Search](#)   [Real Estate Search](#)   [Tax Bill Search](#)   [Sales Search](#)   [Help](#)

[View Property Record for this Parcel](#)   [View Map for this Parcel](#)   [View Tax Bill Information](#)

Parcel #: 2600000506   Tax Year: 2017   Account #: 1052533

<b>Owner Information</b>	<b>Tax Codes</b>
BALD HEAD ISLAND TRANSPORTATION INC BALD HEAD ISLAND PO BOX 3069 BALD HEAD ISLAND, NC 28461	C ADVL TAX - BRUNSWICK COUNTY SM ADVL TAX - DOSHER HOSP TAX CI17ADVL TAX - VILLAGE OF BHI

<b>Property Information</b>	<b>Township</b>
Land (Units/Type): 0.070 AC Address:	Smithville

<b>Deed Information</b>	<b>Local Zoning</b>
Date: 04/2014 Book: 03514 Page: 1048 Plat Book: Page:	PD-3

<b>Legal Description</b>	<b>PIN</b>
0.07 ACRES BALD HEAD ISLAND MARINA	300401370865

<b>Property Values</b>	
Building:	0
OBXF:	81,900
Land:	24,500
Market:	106,400
Assessed:	106,400
Deferred:	0

1' STRIP ALONG  
BULLHEAD;  
INCLUDES FERRY  
LANDING

Sales Information

No.	Book	Page	Month	Year	Instrument	Qual/UnQual	Improved	Price
1	01438	1192	03	2001	WD	Unqualified	Vacant	0
2	03512	0898	03	2014	SW	Unqualified	Vacant	216,000
3	03512	0908	03	2014	QC	Unqualified	Vacant	0
4	03514	1048	04	2014	WD	Unqualified	Vacant	0
5	03514	1061	04	2014	WD	Unqualified	Vacant	64,000

[View Property Record for this Parcel](#)   [View Map for this Parcel](#)   [View Tax Bill Information](#)

[<< Return to Basic Search](#)

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1.7.95.273



Brunswick County Web Site

Brunswick County - Basic Search

[Basic Search](#)   [Real Estate Search](#)   [Tax Bill Search](#)   [Sales Search](#)   [Help](#)

[View Property Record for this Parcel](#)   [View Map for this Parcel](#)   [View Tax Bill Information](#)

Parcel #: 260JA003   Tax Year: 2017   Account #: 30038860

Owner Information	Tax Codes
BALD HEAD ISLAND LIMITED LLC PO BOX 3069 BALD HEAD ISLAND, NC 28461	C ADVL TAX - BRUNSWICK COUNTY SM ADVL TAX - DOSHER HOSP TAX CI17ADVL TAX - VILLAGE OF BHI

Property Information	Township
Land (Units/Type): 1.000 LT Address: 6 MARINA WYND BH	Smithville

Deed Information	Local Zoning
Date: 06/1983 Book: 00532 Page: 0546 Plat Book: 92 Page: 64	PD-3

Legal Description	PIN
L-7 REV 2 1.36AC BALD PL 92/64	300410372169

Property Values	
Building:	1,675,930
OBXF:	14,790
Land:	275,000
Market:	1,965,720
Assessed:	1,965,720
Deferred:	0

*INCLUDES  
BARGE LANDING*

Sales Information

No.	Book	Page	Month	Year	Instrument	Qual/UnQual	Improved	Price
1	00532	0546	06	1983	WD	Unqualified	Vacant	0

[View Property Record for this Parcel](#)   [View Map for this Parcel](#)   [View Tax Bill Information](#)

[<< Return to Basic Search](#)

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1.7.95.273



Brunswick County Web Site

## Brunswick County - Basic Search

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 [Real Estate Search](#)  
 [Tax Bill Search](#)  
 [Sales Search](#)  
 [Help](#)

[View Property Record for this Parcel](#)  
[View Map for this Parcel](#)  
[View Tax Bill Information](#)

Parcel #: 260JA008      Tax Year: 2017      Account #: 30038860

Owner Information	Tax Codes
BALD HEAD ISLAND LIMITED LLC PO BOX 3069 BALD HEAD ISLAND, NC 28461	C ADVL TAX - BRUNSWICK COUNTY SM ADVL TAX - DOSHER HOSP TAX CI17ADVL TAX - VILLAGE OF BHI

Property Information	Township
Land (Units/Type): 1.480 AC Address:	Smithville

Deed Information	Local Zoning
Date: 06/1983 Book: 00532 Page: 0546 Plat Book: Page:	PD-3

Legal Description	PIN
PARCEL 1 PL 71/39 1.48AC BALD HEAD ISL LNDG	300401269827

Property Values	
Building:	0
OBXF:	0
Land:	150
Market:	150
Assessed:	150
Deferred:	0

INCLUDES "ROADWAY"

## Sales Information

No.	Book	Page	Month	Year	Instrument	Qual/UnQual	Improved	Price
1	00532	0546	06	1983	WD	Unqualified	Vacant	0

[View Property Record for this Parcel](#)  
[View Map for this Parcel](#)  
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1.7.95.273

Bald Head Island - Island Terminal Phase I ESA

Marina Wynd

Southport, NC 28461

Inquiry Number: 5003208.3

July 25, 2017

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

07/25/17

**Site Name:**

Bald Head Island - Island Term  
Marina Wynd  
Southport, NC 28461  
EDR Inquiry # 5003208.3

**Client Name:**

S&ME  
3201 Spring Forest Road  
Raleigh, NC 27616  
Contact: Justin Ahn



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

### Certified Sanborn Results:

**Certification #** B0F3-4F59-8F67  
**PO #** 4305-17-125  
**Project** Bald Head Island - Is Terminal

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: B0F3-4F59-8F67

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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Bald Head Island - Island Terminal Phase I ESA

Marina Wynd

Southport, NC 28461

Inquiry Number: 5003208.4

July 25, 2017

## EDR Historical Topo Map Report

with QuadMatch™



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Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

07/25/17

**Site Name:**

Bald Head Island - Island Term  
Marina Wynd  
Southport, NC 28461  
EDR Inquiry # 5003208.4

**Client Name:**

S&ME  
3201 Spring Forest Road  
Raleigh, NC 27616  
Contact: Justin Ahn



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by S&ME were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>P.O.#</b>	4305-17-125	<b>Latitude:</b>	33.875935 33° 52' 33" North
<b>Project:</b>	Bald Head Island - Is Terminal	<b>Longitude:</b>	-78.001112 -78° 0' 4" West
		<b>UTM Zone:</b>	Zone 17 North
		<b>UTM X Meters:</b>	777391.10
		<b>UTM Y Meters:</b>	3752448.61
		<b>Elevation:</b>	6.00' above sea level

**Maps Provided:**

2013  
1999  
1990  
1979  
1969, 1970  
1942, 1946

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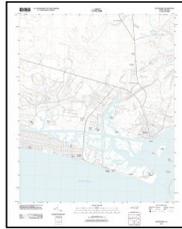
## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2013 Source Sheets



Cape Fear OE W  
2013  
7.5-minute, 24000



Southport  
2013  
7.5-minute, 24000



Kure Beach  
2013  
7.5-minute, 24000



Cape Fear  
2013  
7.5-minute, 24000

### 1999 Source Sheets



Kure Beach  
1999  
7.5-minute, 24000  
Aerial Photo Revised 1975



CAPE FEAR  
1999  
7.5-minute, 24000

### 1990 Source Sheets



Southport  
1990  
7.5-minute, 24000  
Aerial Photo Revised 1987

### 1979 Source Sheets



Kure Beach  
1979  
7.5-minute, 24000  
Aerial Photo Revised 1975

## **Topo Sheet Key**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1969, 1970 Source Sheets**



Southport  
1969  
7.5-minute, 24000  
Aerial Photo Revised 1942

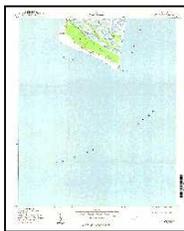


Kure Beach  
1970  
7.5-minute, 24000  
Aerial Photo Revised 1969



Cape Fear  
1970  
7.5-minute, 24000  
Aerial Photo Revised 1969

### **1942, 1946 Source Sheets**



CAPE FEAR  
1942  
7.5-minute, 24000



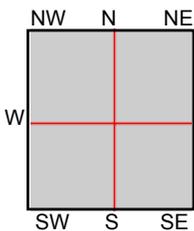
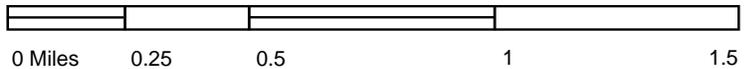
Southport  
1946  
7.5-minute, 24000  
Aerial Photo Revised 1942



Snow Marsh  
1946  
7.5-minute, 24000  
Aerial Photo Revised 1942



This report includes information from the following map sheet(s).



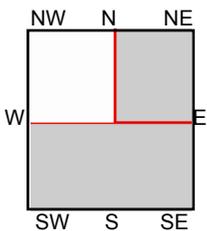
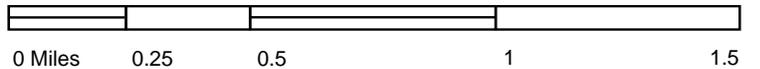
TP, Southport, 2013, 7.5-minute  
 NE, Kure Beach, 2013, 7.5-minute  
 SE, Cape Fear, 2013, 7.5-minute  
 SW, Cape Fear OE W, 2013, 7.5-minute

**SITE NAME:** Bald Head Island - Island Terminal Phase  
**ADDRESS:** Marina Wynd  
 Southport, NC 28461  
**CLIENT:** S&ME





This report includes information from the following map sheet(s).



NE, Kure Beach, 1999, 7.5-minute  
S, CAPE FEAR, 1999, 7.5-minute

SITE NAME: Bald Head Island - Island Terminal Phase  
ADDRESS: Marina Wynd  
Southport, NC 28461  
CLIENT: S&ME

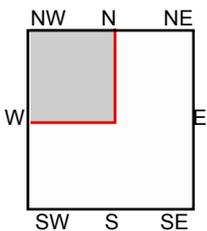
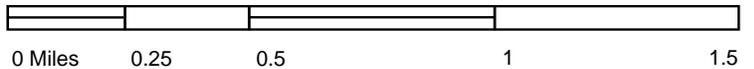




UNMAPPED	UNMAPPED	UNMAPPED

UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED
UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED
UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED	UNMAPPED
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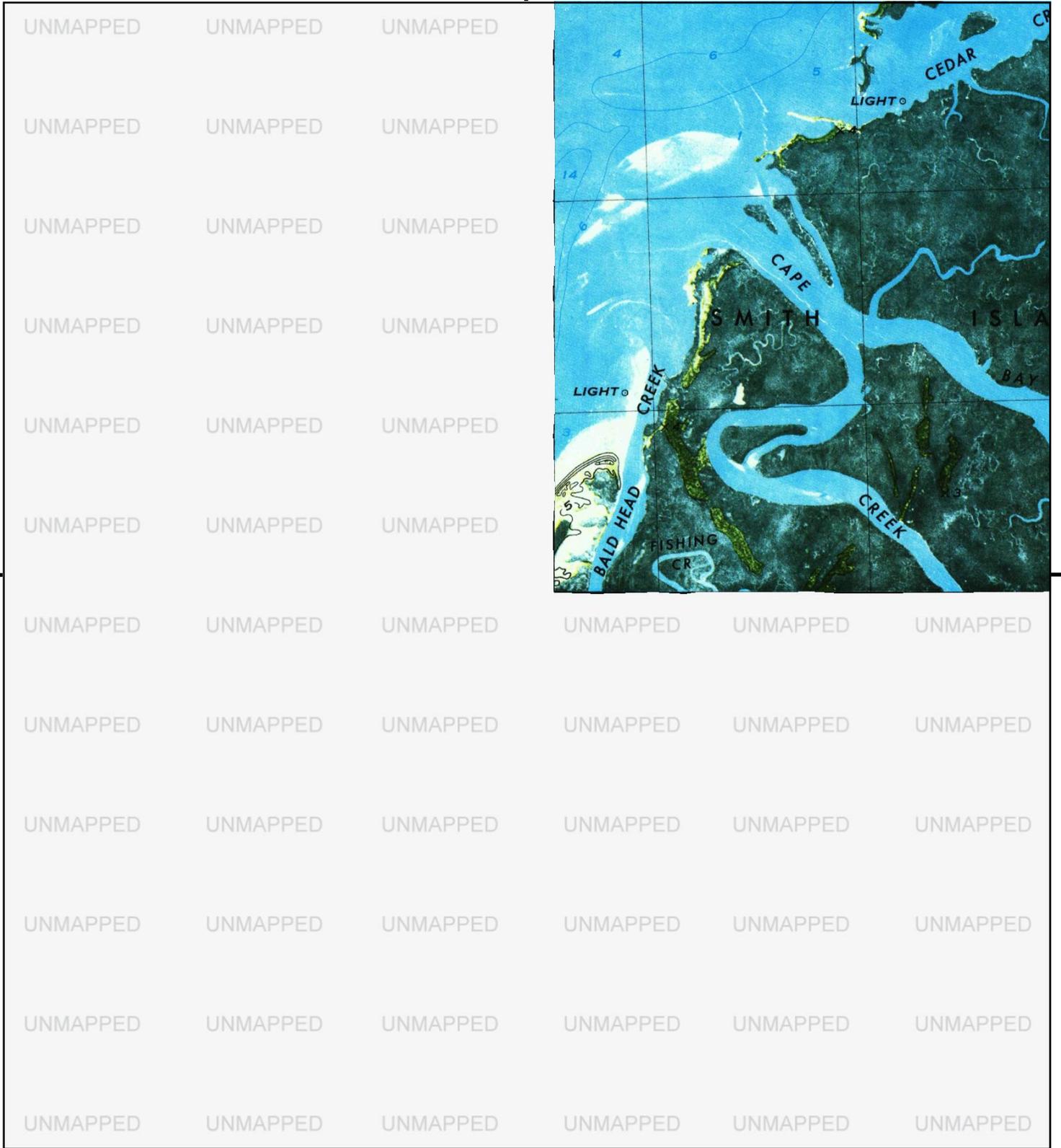
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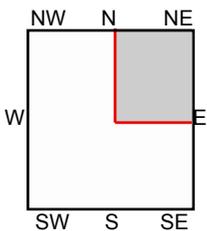
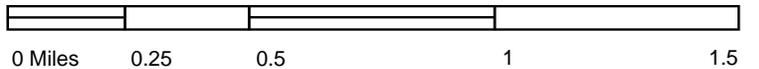
TP, Southport, 1990, 7.5-minute

**SITE NAME:** Bald Head Island - Island Terminal Phase  
**ADDRESS:** Marina Wynd  
 Southport, NC 28461  
**CLIENT:** S&ME





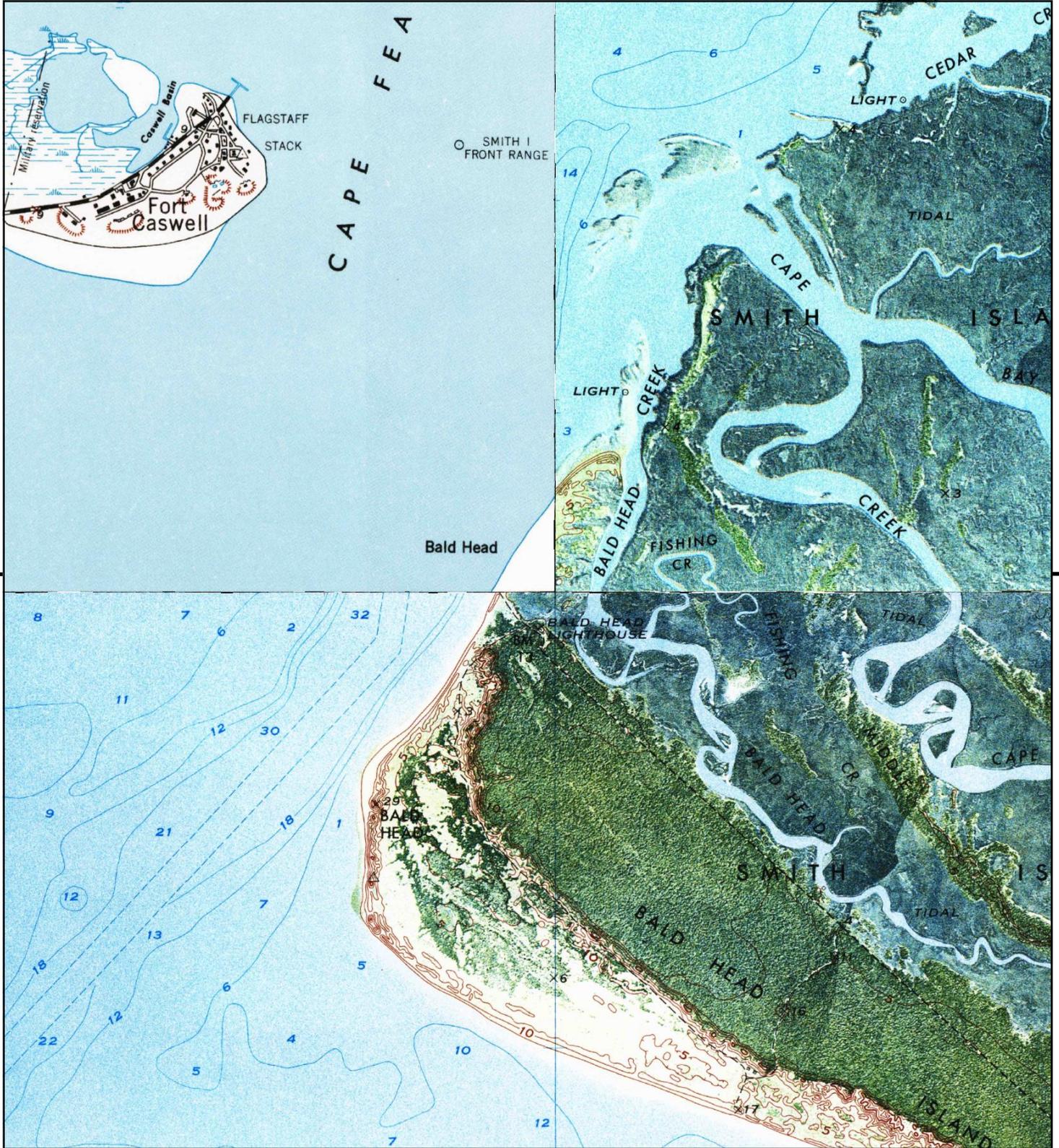
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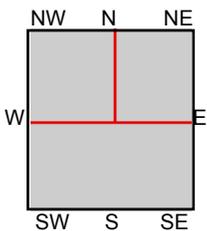
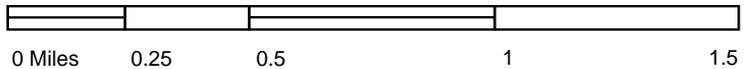
NE, Kure Beach, 1979, 7.5-minute

SITE NAME: Bald Head Island - Island Terminal Phase  
 ADDRESS: Marina Wynd  
 Southport, NC 28461  
 CLIENT: S&ME





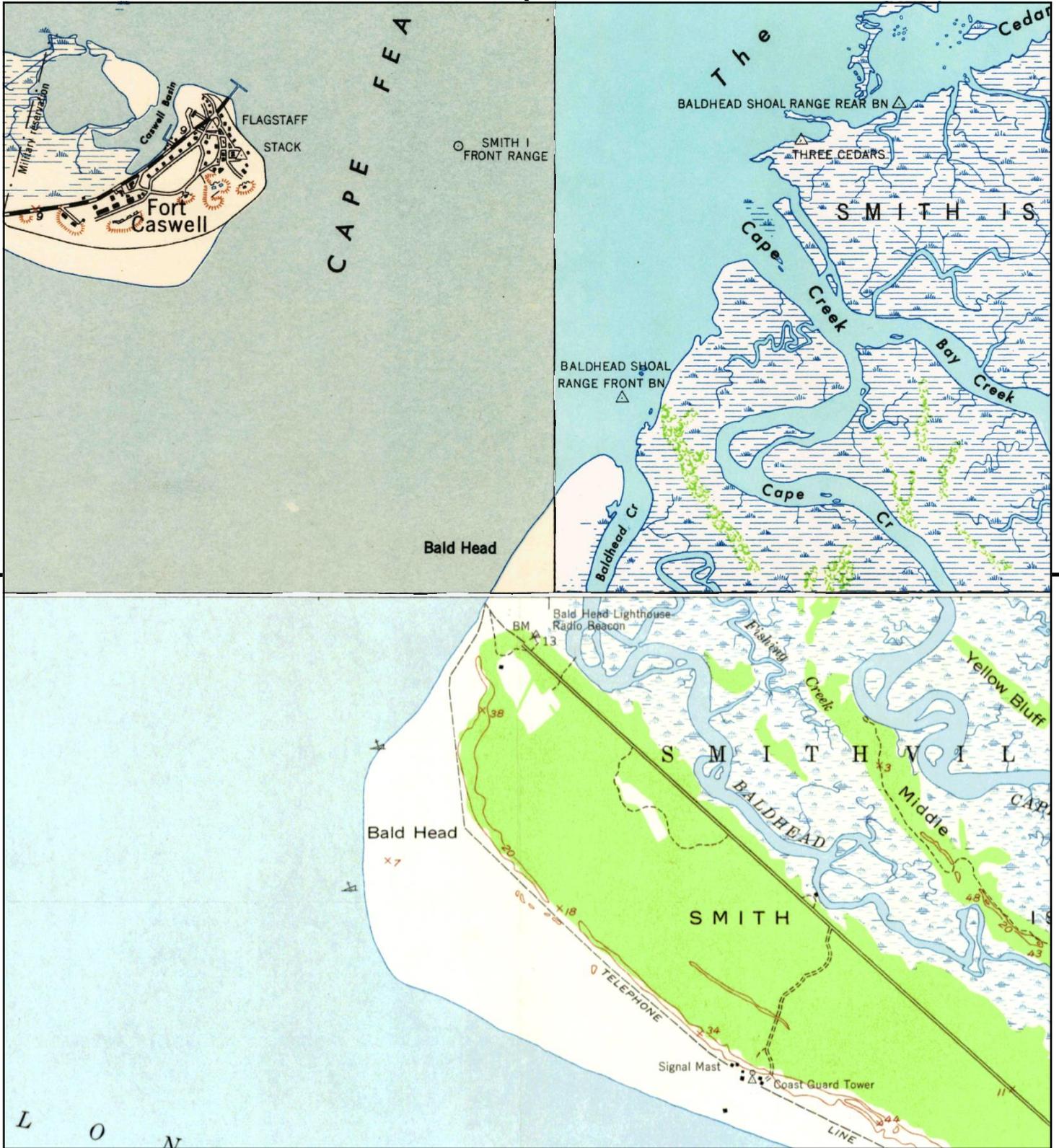
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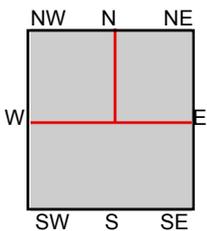
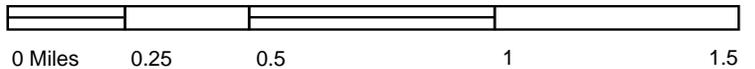
TP, Southport, 1969, 7.5-minute  
 NE, Kure Beach, 1970, 7.5-minute  
 S, Cape Fear, 1970, 7.5-minute

SITE NAME: Bald Head Island - Island Terminal Phase  
 ADDRESS: Marina Wynd  
 Southport, NC 28461  
 CLIENT: S&ME





This report includes information from the following map sheet(s).



TP, Southport, 1946, 7.5-minute  
 NE, Snow Marsh, 1946, 7.5-minute  
 S, CAPE FEAR, 1942, 7.5-minute

SITE NAME: Bald Head Island - Island Terminal Phase  
 ADDRESS: Marina Wynd  
 Southport, NC 28461  
 CLIENT: S&ME



Bald Head Island - Island Terminal Phase I ESA

Marina Wynd

Southport, NC 28461

Inquiry Number: 5003208.9

July 26, 2017

## The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor  
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Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

**Site Name:**

Bald Head Island - Island Term  
 Marina Wynd  
 Southport, NC 28461  
 EDR Inquiry # 5003208.9

**Client Name:**

S&ME  
 3201 Spring Forest Road  
 Raleigh, NC 27616  
 Contact: Justin Ahn



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**Search Results:**

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2000	1"=750'	Flight Date: March 06, 2000	USGS
1999	1"=750'	Flight Date: March 01, 1999	USGS
1993	1"=500'	Acquisition Date: February 24, 1993	USGS/DOQQ
1983	1"=500'	Flight Date: March 02, 1983	USGS
1975	1"=500'	Flight Date: March 01, 1975	USGS
1969	1"=500'	Flight Date: April 09, 1969	USGS
1959	1"=750'	Flight Date: April 15, 1959	USGS
1956	1"=500'	Flight Date: March 23, 1956	USDA

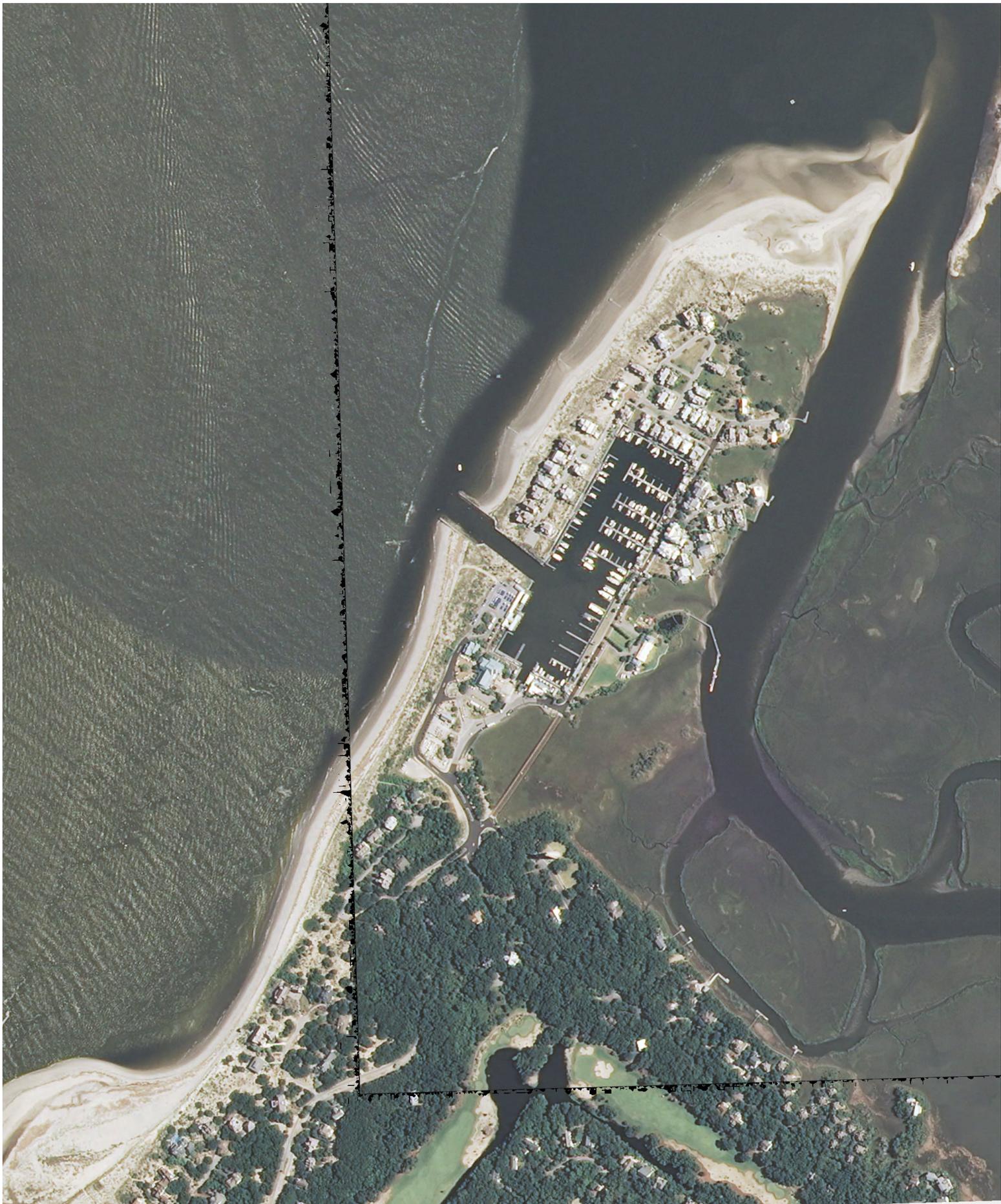
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INQUIRY # 5003208.9

YEAR: 2012

— = 500'





INQUIRY #: 5003208.9

YEAR: 2010

— = 500'





INQUIRY #: 5003208.9

YEAR: 2009

— = 500'





INQUIRY # 5003208.9

YEAR: 2008

— = 500'





INQUIRY #: 5003208.9

YEAR: 2006

— = 500'



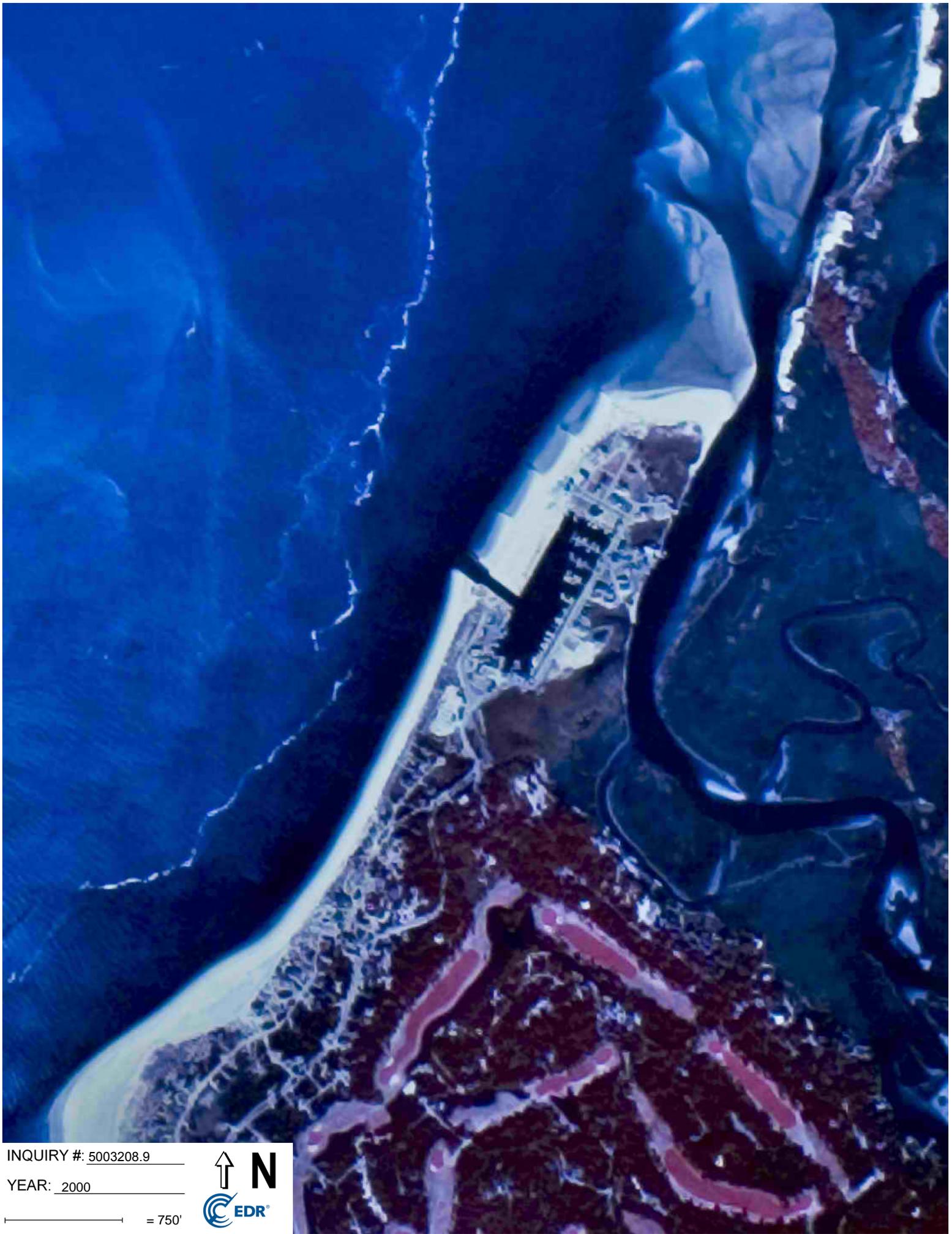


INQUIRY #: 5003208.9

YEAR: 2005

— = 500'



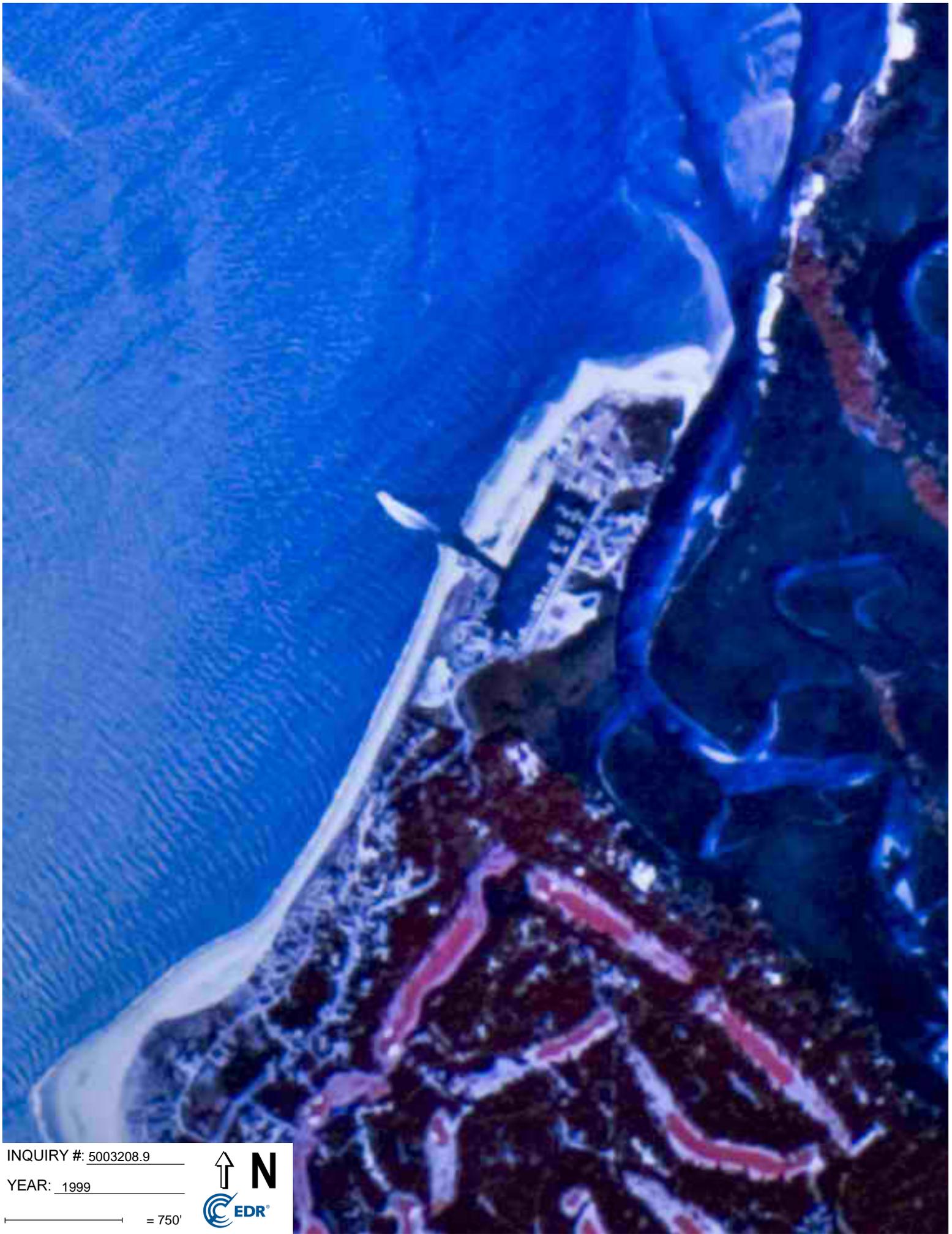


INQUIRY #: 5003208.9

YEAR: 2000

— = 750'





INQUIRY #: 5003208.9

YEAR: 1999

— = 750'





INQUIRY #: 5003208.9

YEAR: 1993

— = 500'





INQUIRY #: 5003208.9

YEAR: 1983

— = 500'



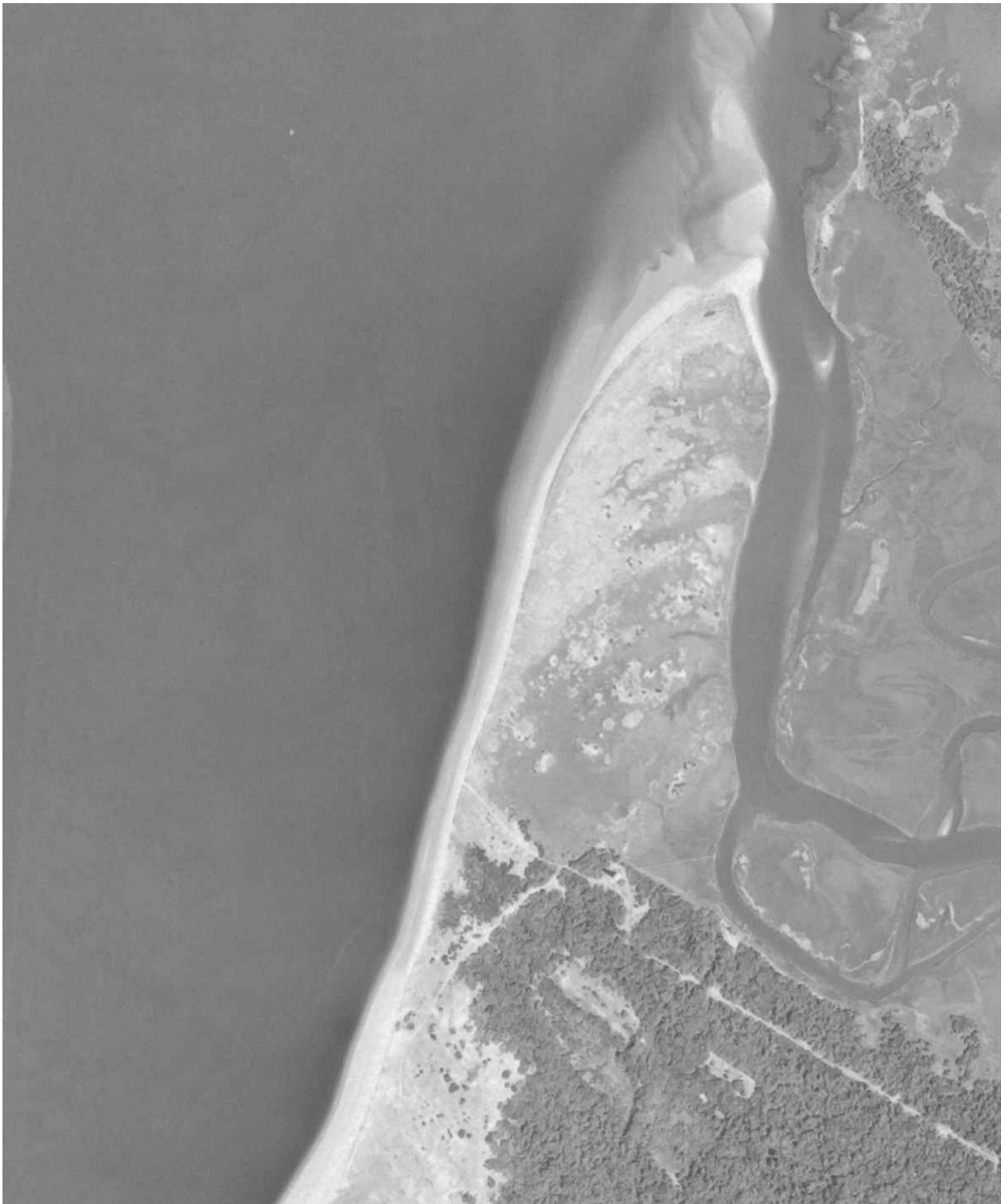


INQUIRY #: 5003208.9

YEAR: 1975

— = 500'





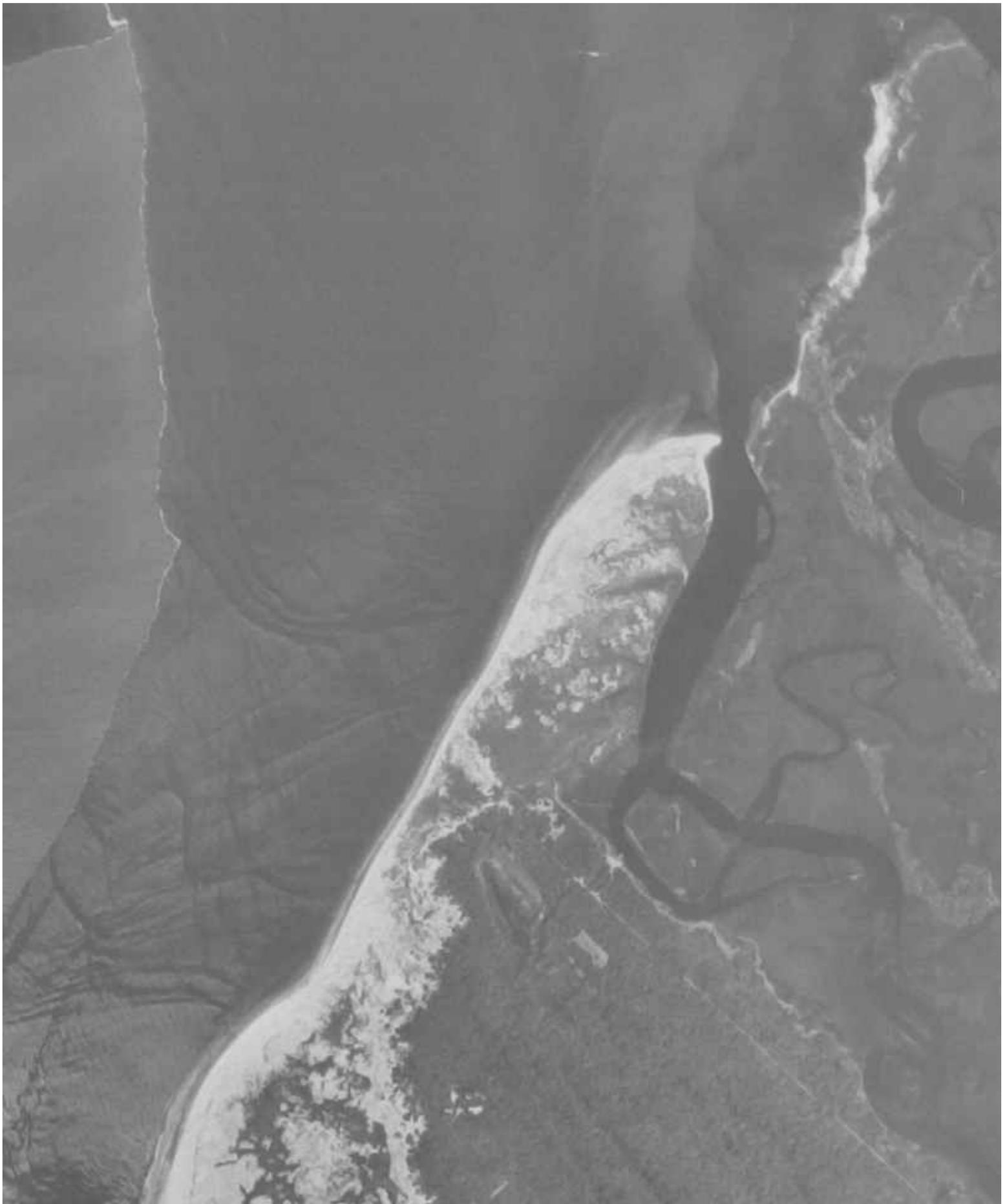
INQUIRY #: 5003208.9

YEAR: 1969

— = 500'



10



INQUIRY #: 5003208.9

YEAR: 1959

————— = 750'





INQUIRY #: 5003208.9

YEAR: 1956

— = 500'



**Bald Head Island - Island Terminal Phase I ESA**

Marina Wynd  
Southport, NC 28461

Inquiry Number: 5003208.5  
July 28, 2017

# The EDR-City Directory Image Report

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

*Thank you for your business.*  
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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2008	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2003	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services

### RECORD SOURCES

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## FINDINGS

### TARGET PROPERTY STREET

Marina Wynd  
Southport, NC 28461

Year

CD Image

Source

### MARINA WYND

2013	pg A2	Cole Information Services	
2008	-	Cole Information Services	Target and Adjoining not listed in Source
2003	-	Cole Information Services	Target and Adjoining not listed in Source
1999	pg A5	Cole Information Services	
1995	pg A6	Cole Information Services	

### MARINA WYND ST

1992	pg A7	Cole Information Services	
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## FINDINGS

### CROSS STREETS

Year

CD Image

Source

### KEELSON ROW

2013	pg. A1	Cole Information Services	
2008	pg. A3	Cole Information Services	
2003	-	Cole Information Services	Target and Adjoining not listed in Source
1999	pg. A4	Cole Information Services	
1995	-	Cole Information Services	Target and Adjoining not listed in Source
1992	-	Cole Information Services	Target and Adjoining not listed in Source

## **City Directory Images**

**KEELSON ROW 2013**

- 1 CYNTHIA GAUNT  
EDWARD SAMULSKI
- 2 TIMOTHY ANTAL
- 21 MARSH HARBOR INN
- 96 RIVERSIDE RECREATION

**MARINA WYND 2013**

- 1 ISLAND PASSAGE
- 4 BALD HEAD ISLAND  
BALD HEAD ISLAND LIMITED  
ISLAND AGENCY THE
- 6 BALD HEAD ISLAND LIMITED  
OCCUPANT UNKNOWN
- 8 BALD HEAD ISLAND LIMITED
- 16 MOJOS ON THE HARBOR

**KEELSON ROW 2008**

21 KERI KLOCKOWSKI

**KEELSON ROW 1999**

- 2 THEODOSIAS BED & BREAKFAST
- 21 MARSH HARBOR INN
- 86 CHENEY PAUL R MD PA
- 87 LIGHTKEEPER ON BALD HEAD ISLAND THE



-

**MARINA WYND 1999**

0 FRANK OVERTON  
2585 CIRO PICCIRILLO

Target Street  
✓

Cross Street  
-

Source  
Cole Information Services

**MARINA WYND 1995**

0 ISLAND PASSAGE



-

**MARINA WYND ST 1992**

0 BALD HEAD ISLAND VLG EMERGENCY-ON ISLAND  
BALD HEAD ISLAND VLG POLICE FIRE AMBL  
ISLAND PASSAGE

**Phase I Environmental Site Assessment**  
**Bald Head Island Ferry Terminal**  
Southport, Brunswick County, North Carolina  
S&ME Project No. 4305-19-004



## **Appendix IV – File Review Information and Vapor Encroachment Screening**



## VAPOR ENCROACHMENT SCREENING

S&ME has conducted a Phase I Environmental Site Assessment (ESA) for the subject property located on Marina Wynd in Bald Head Island, Brunswick County, North Carolina. The Phase I ESA was performed in accordance with American Society for Testing and Materials (ASTM) E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM 2013), which requires the consideration of confirmed or potential releases of hazardous substances and/or petroleum products that may pose a threat of contamination to the subject property, including an evaluation of the potential migration of vapors. The evaluation of potential migration of contaminant vapors for this Phase I ESA, herein referred to as a Tier 1 Vapor Encroachment Screening (VES), was accomplished utilizing procedures described as Tier 1 Screening in ASTM E2600-15, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions* (ASTM 2015) and, if applicable, using the refined search distances presented by Buonicore (2009), as described below.

### Purpose

The purpose of this VES is to assist in evaluating the existence of Vapor Encroachment Conditions (VECs) at the subject property. The VES was performed to identify releases or potential releases of chemicals of concern on or near the subject property and to evaluate the likelihood of vapors migrating from the releases via the subsurface to the subject property. The presence or likely presence of vapors containing chemicals of concern in the subsurface of the subject property constitutes a VEC, and may also constitute a *recognized environmental condition* (REC), as defined by ASTM E1527-13.

### Evaluation Process

The following information was reviewed during the Tier 1 VES to identify releases or potential releases of chemicals of concern on or near the subject property and to evaluate the likelihood of vapors migrating from the releases via the subsurface to the subject property:

- ◆ The type of contaminant (petroleum product vs. non-petroleum product known or suspected to have been stored on-site or at identified off-site sources;
- ◆ The distance between identified off-site sources and the nearest subject property boundary;
- ◆ Information of known or assumed groundwater flow directions(s) with respect to the subject property;
- ◆ The potential for preferential pathways or barriers to exist between the identified off-site sources and the subject property boundary; and,
- ◆ Physical setting and other information sources.

The ASTM E 2600-15 Tier 1 Screening process recommends initial screening distances to estimate contaminant plume length and width with no empirical plume data. In cases where the direction of groundwater flow is known or can be reasonably assumed, those distances were refined under a conservative scenario using calculations presented by Buonicore (2009). The resulting vapor screening distances (i.e., distances from a potential off-site contaminant source to the nearest boundary of the subject property) are presented in Table 1 with respect to the type of contaminant and the known or presumed direction of groundwater flow.



**Table 1 - VES Area of Concern (AOC) Screening Distances**

Contaminant Type	Source Location with respect to the nearest Subject Property boundary and considering known or assumed groundwater flow direction <sup>(3)</sup>		
	Up-gradient	Cross-gradient	Down-gradient
Non-petroleum COC <sup>(1)</sup> (see ASTM E 2600-15, Appendix X6)	1,760 feet (1/3 <sup>rd</sup> mile)	365 feet	100 feet
Petroleum COC NAPL <sup>(2)</sup>	528 feet (1/10 <sup>th</sup> mile)	165 feet	100 feet
Petroleum COC Dissolved	528 feet (1/10 <sup>th</sup> mile)	95 feet	30 feet

Notes: (1) COC – Chemicals of Concern  
 (2) NAPL – Non Aqueous Phase Liquid (*i.e.*, free product)  
 (3) Groundwater Flow Direction – if not known or assumed, use search distance of 1,760 feet for up-gradient, cross-gradient, and down-gradient

## Results

Based on our review of information collected as part of the Phase I ESA process, the subject property was not identified as a potential vapor contaminant source.

**Table 2 - Identified Potential Contaminant Sources**

Contaminant Source	Distance, direction, and groundwater flow direction (with respect to nearest subject property boundary)	Contaminant Type and Screening Distance	Vapor Encroachment Condition Determination
Bald Head Island Marina	355 feet, south-southwest, Up-gradient	Petroleum (Dissolved) 528 feet	<b><u>VEC does not exist</u></b> Groundwater is expected to flow northeast away from property, contaminated soil has been removed, no detected constituents in groundwater, and a Notice of No Further Action by NCDEQ was issued for incident.

## Conclusion

Based on the processes described herein, the following conclusions were drawn from this VES:

- A VEC with respect to the subject property does not exist within the VES AOC screening distances.



## References

- American Society for Testing and Materials. 2013. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13, Philadelphia, PA.
- American Society for Testing and Materials. 2015. Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions E 2600-15, Philadelphia, PA.
- Buonicore, A.J. 2009. A Smaller Intrusion. pp. 26-31, May 2009.

## Signature of Environmental Professional

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

A handwritten signature in blue ink that reads "Claudia B. Irvin".

Claudia B. Irvin  
Environmental Professional



ROY COOPER  
*Governor*

MICHAEL S. REGAN  
*Secretary*

MICHAEL SCOTT  
*Director*

March 20, 2017

Mr. Bill Mack  
Bald Head Island Limited, LLC  
PO Box 3069  
Bald Head Island, NC 28461

RE: Review of SPLP Sampling Results  
Southport Sediment Basin  
Southport, Brunswick County, NC

Dear Mr. Mack:

The Inactive Hazardous Sites Branch (IHSB) received your March 2, 2017 SPLP Sampling Results on March 14, 2017. At the IHSB's request, eight additional soil samples were collected within the permitted dredge soil basin for SPLP arsenic analysis on February 2, 2017. Because the results of one of the eight additional samples exceeded the Branch's protection of groundwater remedial goal, four additional samples were collected in the area where the sample exceeded the remedial goal. None of the four subsequent samples were found to have any concentrations of arsenic exceeding applicable remedial goals. Based on a review of available data, it appears that the elevated concentration of arsenic detected in sample SB-5 on 2/2/2017 was an anomaly and not repeatable. Arsenic concentrations detected in samples across the Site appear to be naturally occurring and do not exceed applicable IHSB remedial values.

Based on a review of all available data for this Site, the IHSB has determined that the compounds detected do not exceed applicable IHSB remedial goals or concentrations are within naturally occurring background concentrations (metals only). Based on this information, this Site will not be added to the Inactive Hazardous Sites Branch's inventory of sites. Be advised that if the Division later determines, based on new information or information not previously provided that the Site does not meet current standards or that the Division was provided with false or incomplete information, the Site may be added to the IHSB's inventory of sites.

If you have any questions, please feel free to contact me at (910) 796-7217 or [Susanne.Robbins@ncdenr.gov](mailto:Susanne.Robbins@ncdenr.gov).

Sincerely,

Sue Robbins  
Inactive Hazardous Sites Branch

cc: Jerry Paul, S&ME, 3201 Spring Forest Road, Raleigh, NC 27616



ROY COOPER  
*Governor*

MICHAEL S. REGAN  
*Secretary*

MICHAEL SCOTT  
*Director*

March 20, 2017

Mr. Bill Mack  
Bald Head Island Limited, LLC  
PO Box 3069  
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Sincerely,

Sue Robbins  
Inactive Hazardous Sites Branch

cc: Jerry Paul, S&ME, 3201 Spring Forest Road, Raleigh, NC 27616

*File Review*



North Carolina Department of Environment and Natural Resources

Beverly Eaves Perdue, Governor

Division of Waste Management  
UST Section

Dee Freeman, Secretary  
Dexter R. Matthews, Director

October 24, 2011

Jim Henry  
Bald Head Island Limited, LLC  
PO Box 3069  
Bald Head Island, NC 28461

Re: Notice of No Further Action  
15A NCAC 2L .0407(d)  
Risk-based Assessment and Corrective Action  
for Petroleum Underground Storage Tanks

Bald Head Island Marina (Eb and Flow)  
Bald Head Island  
Brunswick County  
Incident Number: 32384  
Risk Classification: Low

Dear Mr. Henry:

The Soil Cleanup Report/ Site Closure Request received by the UST Section, Wilmington Regional Office on October 18, 2001 has been reviewed. The review indicates that soil contamination does not exceed the residential maximum soil contaminant concentrations (MSCCs), established in Title 15A NCAC 2L .0411 and that groundwater contamination does not exceed the groundwater quality standards established in Title 15A NCAC 2L .0202.

The UST Section determines that no further action is warranted for this incident. This determination shall apply unless the UST Section later finds that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment. Pursuant to Title 15A NCAC 2L .0407(a) you have a continuing obligation to notify the Department of any changes that might affect the risk or land use classifications that have been assigned.

If soil contamination exceeds the lower of the soil-to-groundwater or residential MSCCs, public notice in accordance with 15A NCAC 2L .0409(b) is required. Thus, within 30 days of receipt of this letter, a copy of the letter must be provided by certified mail, or by posting in a prominent place, if certified mail is impractical, to the local health director, the chief administrative officer of each political jurisdiction in which the contamination occurs, all property owners and occupants within or contiguous to the area containing contamination, and all property owners and occupants within or contiguous to the area where the contamination is expected to migrate. Within 60 days of receiving this no further action letter, this office must be provided with proof of receipt of the copy of the letter or of refusal by the addressee to accept delivery of the copy of the letter or with a description of the manner in which the letter was posted. This No Further Action determination will not become valid until public notice requirements are completed. Interested parties may examine the Soil Cleanup Report/ Site Closure Request by contacting

this regional office and may submit comments on the site to the regional office at the address or telephone number listed below.

This No Further Action determination applies only to the subject incident; for any other incidents at the subject site, the responsible party must continue to address contamination as required.

If you have any questions regarding this notice, please contact me at the address or telephone number listed below.

Sincerely,



Michele Croot  
Environmental Senior Technician  
Wilmington Regional Office

cc: Brunswick County Health Department  
ECS Carolinas, LLP  
WiRO

UST Regional Offices

**Asheville (ARO)** – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

**Fayetteville (FAY)** – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

**Mooresville (MOR)** – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

**Raleigh (RRO)** – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

**Washington (WAS)** – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

**Wilmington (WIL)** – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

**Winston-Salem (WS)** – 585 Waughtown Street, Winston-Salem, NC 27107 **(336) 771-5000**

**Guilford County Environmental Health**, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**



**ECS CAROLINAS, LLP**

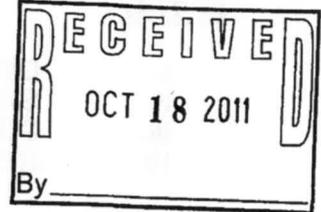
Geotechnical • Construction Materials • Environmental • Facilities

"Setting the Standard for Service"

NC Registered Engineering Firm F-1078

October 7, 2011

Mr. Jim Henry  
Bald Head Island Limited, LLC  
Post Office Box 3069  
Bald Head Island, North Carolina 28461



Reference: Groundwater Sampling Report  
Bald Head Island Marina (Eb and Flo Restaurant)  
Incident # 32384  
Bald Head Island, Brunswick County, North Carolina  
ECS Project Number 22-12749C

Dear Mr. Henry

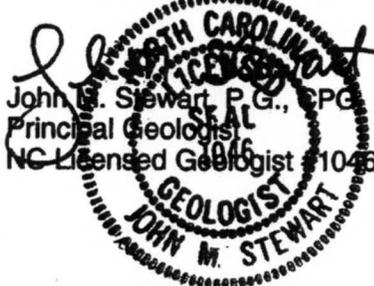
ECS Carolinas, LLP (ECS) is pleased to provide Bald Head Island Limited, LLC with the preparation of this *Groundwater Sampling Report* that documents groundwater sampling activities for an active incident resulting from a release from USTs located at the above referenced site. Environmental services were provided in general accordance with ECS Proposal No. 22-15251, dated and authorized on September 19, 2011. Included in this report is a description of the field activities, the results obtained, and our conclusions and recommendations.

ECS appreciates the opportunity to provide our environmental consulting services to you on this project. If you have any questions concerning this report or this project, please contact ECS at (910) 686-9114.

Respectfully submitted,

**ECS CAROLINAS, LLP**

Amy C. Conchas, REM  
Principal Environmental Scientist



10/7/11

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- Figure 1 – Topographic Map
- Figure 2 – UST Closure Sample Location Map
- Figure 3 – Excavation Extent and Sampling Location Map

### TABLE

- Table 1 – Summary of Soil Analytical Results
- Table 2 – Summary of Groundwater Analytical Results

### APPENDICES

- Appendix I – Laboratory Data Sheets and Chain of Custody Records

## I. GENERAL INFORMATION

The site is currently developed with Eb and Flo's restaurant located at the Bald Head Island Marina in Bald Head Island, Brunswick County, North Carolina (**Figure 1**). Eb and Flo's restaurant was originally the dock masters office. ECS was contacted by Mr. Jim Henry with Bald Head Island Limited, LLC (BHIL) to perform groundwater sampling activities associated with a UST incident.

Information regarding ownership, project contacts, UST information and characteristics is presented below:

### A. OWNERSHIP OF UST:

Bald Head Island Limited, LLC  
Post Office Box 3069  
Bald Head Island, North Carolina 28461

### B. FACILITY INFORMATION:

Bald Head Island Marina (Eb and Flo Restaurant)  
0-021446  
8 Marina Wynd  
Bald Head Island, North Carolina

### C. CONTACTS:

Primary Contact: Mr. Jim Henry  
Bald Head Island Limited, LLC  
Post Office Box 3069  
Bald Head Island, North Carolina 28461  
(910) 457-7268

Primary Consultant: ECS Carolinas, LLP  
7211 Ogden Business Park, Suite 201  
Wilmington, North Carolina 28411  
(910) 686-9114

Laboratory: Pace Analytical Services  
9800 Kincey Avenue, Suite 100  
Huntersville, North Carolina 28078  
Laboratory Certification I.D.: # 37706  
(910) 350-1903

**D. UST INFORMATION:**

Tank Number	Installation Date	Closure Date	Size (gallons)	Tank Status	Contents
UST-1	10/29/1986	January 2007	10,000	Abandoned In Place	Diesel
UST-2	10/29/1986	January 2007	10,000	Abandoned in Place	Gasoline
UST - A1	1/10/2007	Not Applicable	12,000	Active UST	Diesel
UST - A2	1/10/2007	Not Applicable	8,000	Active UST	Gasoline

**E. SITE BACKGROUND:**

**UST Closure Activities**

The site is currently developed with the Eb and Flo Restaurant at the Bald Head Island Marina on Bald Head Island, Brunswick County, North Carolina (Figure 1). The restaurant building was previously the dock masters office and contained a 10,000-gallon gasoline UST and 10,000-gallon diesel UST and a gasoline and diesel pump (Figure 2). The diesel pumps at the former dock masters office were removed and new pumps were installed at the fuel dock in the marina in the mid 1990s. The above mentioned USTs were removed from service on January 12, 2007 after the current USTs were installed. The UST closure activities were summarized in the Initial Action Abatement and UST Closure Report, dated December 31, 2007.

Due to the location of the USTs, which were directly beside the building, the decision was made by Bald Head Island engineers to abandon the USTs in place in order to not risk the building's integrity. Prior to initiating abandonment activities, P&W Oil Services removed the residual liquids from the USTs on January 16, 2007 using a vac-truck. The USTs were filled with concrete in late January 2007 by Island Contracting. In the fall of 2007, construction activities at the Eb and Flo Restaurant included extending the building over the USTs and original pump island.

On January 23 and 30, 2007, ECS mobilized to the site to collect soil samples around the USTs, along the product line and underneath the dispensers and a former pump island located adjacent to the USTs. The soil samples were analyzed using EPA Method 8015/5035 and 8015/3550 for total petroleum hydrocarbons (TPH), gasoline and diesel range organics, according to the North Carolina Department of Environment and Natural Resources (NCDENR) UST closure requirements. If the TPH analysis indicated a concentration exceeding 10.0 mg/kg, the sample was also analyzed using the risk-based analysis for volatile organic compounds (VOCs) using EPA Method 8260, for semi-volatile organic compounds (SVOCs) using EPA Method 8270 and Massachusetts Department of Environmental Protection (MADEP) Methods for volatile petroleum hydrocarbons (VPH) and extractable petroleum hydrocarbons (EPH).

Based on the results of the soil sampling performed on January 23 and 30, 2007, the soil sample collected from the western end of the gasoline UST exhibited an elevated concentration of TPH for diesel range organics and concentrations for C9-C18 aliphatics which exceeded the soil-to-groundwater maximum soil contaminant concentrations (MSCCs). Therefore, BHIL decided to excavate the soil in the vicinity of the sample to determine the source of the release and remove soil exhibiting concentrations exceeding the soil-to-groundwater MSCCs. On

February 6, 2007, ECS collected soil samples around the perimeter of the soil excavation conducted by BHIL. The excavation extended to the south, underneath the former pump island. The diesel product line underneath the former pump island appeared to be the source of the release. Approximately 2.5 cubic yards of soil were removed and transported to Deep Point which is mainland property owned by Bald Head Island Limited, LLC. Per authorization BHIL obtained from NCDENR, the soil was tilled into the soil at Deep Point as disposal and remediation of the soil. ECS collected four side wall samples from the UST excavation directly above a depth of three feet. A bottom sample was not collected since the excavation extended below the high water mark and into saturated soils. The soil samples were analyzed using EPA Methods 8260 and 8270 and MADEP Methods for VPH and EPH. Laboratory analysis of the over-excavation soil samples did not detect constituent concentrations above their respective NCDENR, UST Section risk-based soil-to-groundwater MSCCs. Over-excavation soil sample results are summarized in **Table 1**. Therefore, the laboratory analysis did not identify petroleum impacted soil remaining at the site where sampled.

Based on the observation of groundwater entering the excavation, per *Guidelines for Site Checks, Tank Closures, and Initial Response and Abatement*, NCDENR UST Section, dated March 1, 2007 and modified December 1, 2008, a groundwater sample is required as part of the UST closure activities. Two monitoring wells were previously installed on either end of the UST basin as part of the UST leak detection system. Groundwater sampling of these wells were used as part of the closure activities. The locations of these wells are shown on **Figure 2**.

#### **Summary of Previous Groundwater Sampling Activities**

On January 16, 2007, ECS mobilized to the site to collect one groundwater sample from the monitoring well located northeast of the UST basin. The groundwater sample from this monitoring well was labeled as GW-1. On January 23, 2007, ECS mobilized to the site to collect one groundwater sample from the monitoring well located northwest of the UST basin, which was labeled as GW-2. On June 12, 2007, ECS mobilized to the site to collect a groundwater sample from the two monitoring wells. On December 10, 2007, ECS mobilized to the site to collect a groundwater sample from the monitoring wells. However, well GW-1 was unable to be located due to the construction activities at the Eb and Flo restaurant. Therefore, only GW-2 was sampled. The groundwater samples from January 16 and 23, 2007 were analyzed using EPA Method 601/602, EPA 625 plus 10 tics, EPA Method 504.1, EPA Method 3030C and MADEP Methods for VPH and EPH. The groundwater samples from June 12 and December 10, 2007 were analyzed using EPA Method 602 for volatile VOCs and EPA 625 for SVOCs.

The January 2007 groundwater sampling from well GW-1 detected bis(2-ethylhexyl)phthalate at a concentration of 20.2 ug/l which exceeded the NCAC, 2L, Groundwater Quality Standards of 2.5 ug/l. The results of the June 12, 2007 sampling event did not detect concentrations in well GW-1 which exceeded the NCAC, 2L, Groundwater Quality Standards. The January 2007 groundwater sampling from well GW-2 detected benzene at a concentration of 40.3 ug/l which exceeded the NCAC, 2L, Groundwater Quality Standard of 1.0 ug/l. The results of the June 12, 2007 sampling event detected benzene at a concentration of 9.26 ug/l in well GW-2 which exceeded the NCAC, 2L, Groundwater Quality Standard. The results of the December 10, 2007 groundwater sampling detected benzene at a concentration of 1.28 ug/l, in well GW-2 which exceeded the NCAC, 2L, Groundwater Quality Standard of 1.0 ug/l.

## F. SITE CHARACTERISTICS:

The site is located in the Coastal Plain Physiographic Province. The Coastal Plain is composed of seven terraces, each representing a former level of the Atlantic Ocean. Soils in this area generally consist of sedimentary materials transported from other areas by the ocean or rivers. These deposits vary in thickness from a thin veneer along the western edge of the region to more than 1,500 feet near the coast. The sedimentary deposits of the Coastal Plain rest upon granitic basement rock similar to those underlying the Piedmont Physiographic Provinces. As such, shallow groundwater would be expected to flow northeast, toward the Cape Fear River (Figure 2).

## II. GROUNDWATER SAMPLE ACTIVITIES

BHIL contacted ECS to re-sample monitoring well GW-2 to determine if the concentrations have decreased to below the NCAC, 2L, Groundwater Quality Standards, which could allow the incident to be eligible for closure.

On September 20, 2011, ECS mobilized to the site to collect one groundwater sample from the existing monitoring well identified as GW-2. ECS and a representative from BHIL attempted again to locate well GW-1; however, the well appeared to have been covered over or destroyed during renovations activities of Eb & Flo. The most recent sampling event of this well in 2007 did not detect petroleum compounds exceeding the NCAC, 2L, Groundwater Quality Standards. GW-1 could not be located; therefore, ECS only sampled well GW-2. The depth to the static water level was measured in the well prior to sampling activities. The depth to water from the top of casing (TOC) was measured at 3.39 feet and the well depth was measured to be at 9.3 feet from TOC. After gauging, the well was purged using disposable tubing and a peristaltic pump. The purging consisted of removing approximately three well volumes of water. Field parameters for pH, temperature and conductivity were measured after each well volume. The pH measurements ranged from 7.15 to 7.25 standard units (SUs). The temperature measurement ranged from 24.1° Celsius to 23.6° Celsius. The conductivity ranged from 0.38 to 0.43 milliSiemens/cm (mS/cm).

The groundwater sample was also collected using the peristaltic pump and placed in laboratory prepared containers. The sampler wore a new pair of disposable nitrile gloves when collecting the sample. The sample containers were labeled with the project name, sample location and the date and time that the samples were collected, placed in a cooler containing ice (4°C), and delivered to Pace Analytical Services, Inc. in Huntersville, North Carolina under standard chain-of-custody protocol. The groundwater sample was analyzed using EPA Method 602 (plus MTBE and naphthalene) and for VPH using the MADEP method. EPA Method 602 analysis was performed in order to determine if the benzene concentration had reduced to below the NCAC, 2L, Groundwater Quality Standard. In addition, since the 2007 sampling event, the NCAC, 2L, Groundwater Quality Standard for MTBE and naphthalene had been reduced so EPA Method 602 was able to determine if the MTBE and naphthalene concentrations were still below the new NCAC, 2L, Groundwater Quality Standard. In 2007, the groundwater samples were below the NCAC, 2L, Groundwater Quality Standard for C9-C12 aliphatics; however, this standard was reduced to 700 ug/l and the 2007 concentration in GW-2 was 730 ug/l. Therefore, the sample

was analyzed for VPH to determine if the current concentration is below the current NCAC, 2L, Groundwater Quality Standard.

The results of the September 20, 2011 sampling activities did not detect concentrations of targeted compounds.

### **III. CONCLUSIONS**

In 2007, ECS performed UST closure activities as summarized in the Initial Action Abatement and UST Closure Report, dated December 31, 2007. The closure activities included removal of petroleum impacted soil. The analysis of samples collected following soil removal did not detect petroleum in the remaining soil at the site. However, groundwater contamination was detected. Analysis of groundwater samples collected between January 2007 and October 2011 has shown a reduction in hydrocarbon concentrations in each sample event. Analysis of the groundwater sample collected during this sampling event did not detect any hydrocarbons detected in the previous sampling events.

### **IV. RECOMMENDATIONS**

Based on the results of the most recent sampling event, ECS recommends that a No Further Action letter be issued for this incident.

The activities and evaluative approaches used in this assessment are consistent with those normally employed in UST assessments and remediation projects of this type. ECS' evaluation of site conditions has been based on our understanding of the project information and the data obtained during our field activities.

# UST-2 Site Investigation Report for Permanent Closure or Change-in-Service of UST

**Return completed:** The DWM Regional Office will be notified of the status of the tank. SEE MAP ON THE BACK OF THIS FORM FOR THE CENTRAL AND REGIONAL OFFICE ADDRESSES.

**Instructions (READ THIS FIRST):** For more than five UST systems you may attach additional forms as needed. Permanent closure or change-in-service reports must be submitted in the format provided in the UST-12 form. UST closure and change-in-service reports must be completed in accordance with the latest version of the Guidelines for Tank Closure. A copy of the UST-12 form and the Guidelines for Tank Closure can be obtained at www.wastencolc.org. You must make sure that USTs removed from your property are disposed of properly. When choosing a closure contractor, ask where the tank(s) will be taken for disposal. USTs are cleaned and cut up for scrap metal. This is dangerous work and must be performed by a qualified company. Tanks disposed of illegally or in fields or other dumpsites can leak petroleum products and sludge into the environment. If your tanks are disposed of improperly, you could be held responsible for the cleanup of any environmental damage that occurs. NOTE: If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G.

**I. OWNERSHIP OF TANKS**

Owner Name (Corporate, Individual, Public Agency, or Other Entity): Bald Head Island Marina  
 Street Address: PO Box 3069  
 City: Bald Head Island County: Brunswick State: NC  
 Zip Code: 28461  
 Phone Number: 910-457-7268

**II. LOCATION OF TANKS**

Facility Name or Company: Bald Head Island Marina  
 Facility ID # (if known): 0-021446  
 Street Address: B Marina Wynd  
 City: Bald Head Island County: Brunswick Zip Code: 28461  
 Phone Number: \_\_\_\_\_

**III. CONTACT PERSONNEL**

Contact for Facility: Chad A. Paul III Job Title: Bald Head Island Limited LLC CEO Phone No: 910-457-5000  
 Closure Contractor Name: Closed in Place Closure Contractor Company: Closed in Place Address: Closed in Place Phone No: \_\_\_\_\_  
 Primary Consultant Name: Amy Corliss Primary Consultant Company: ECS Carolinas LLC Address: 7211 Oden Bur. Park, 201 Wilmington Phone No: 910-636-9114

**IV. INFORMATION FOR REGISTERED UST SYSTEMS**

Tank ID No.	Size in Gallon	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Change-in-Service Date	Water in accumulation		Free product		Notice color or visible soil contamination	
							Yes	No	Yes	No	Yes	No
1	10,000	closed in place	Diesel	1990	Jan 2007		<input type="checkbox"/>	<input type="checkbox"/>				
2	10,000	closed in place	Diesel	1990	Jan 2009		<input type="checkbox"/>	<input type="checkbox"/>				

**V. INFORMATION FOR UNREGISTERED UST SYSTEMS**

Tank ID No.	Size in Gallon	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Tank Owner Name *	Water in accumulation		Free product		Notice color or visible soil contamination	
							Yes	No	Yes	No	Yes	No
							<input type="checkbox"/>	<input type="checkbox"/>				
							<input type="checkbox"/>	<input type="checkbox"/>				
							<input type="checkbox"/>	<input type="checkbox"/>				
							<input type="checkbox"/>	<input type="checkbox"/>				
							<input type="checkbox"/>	<input type="checkbox"/>				

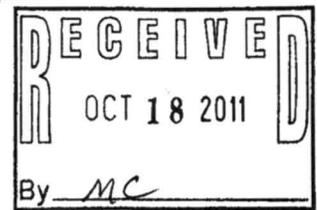
\* If the tank owner's address is different from the one listed in Section I, then enter the street address, city, state, zip code and telephone no. below:

**VII. CERTIFICATION**

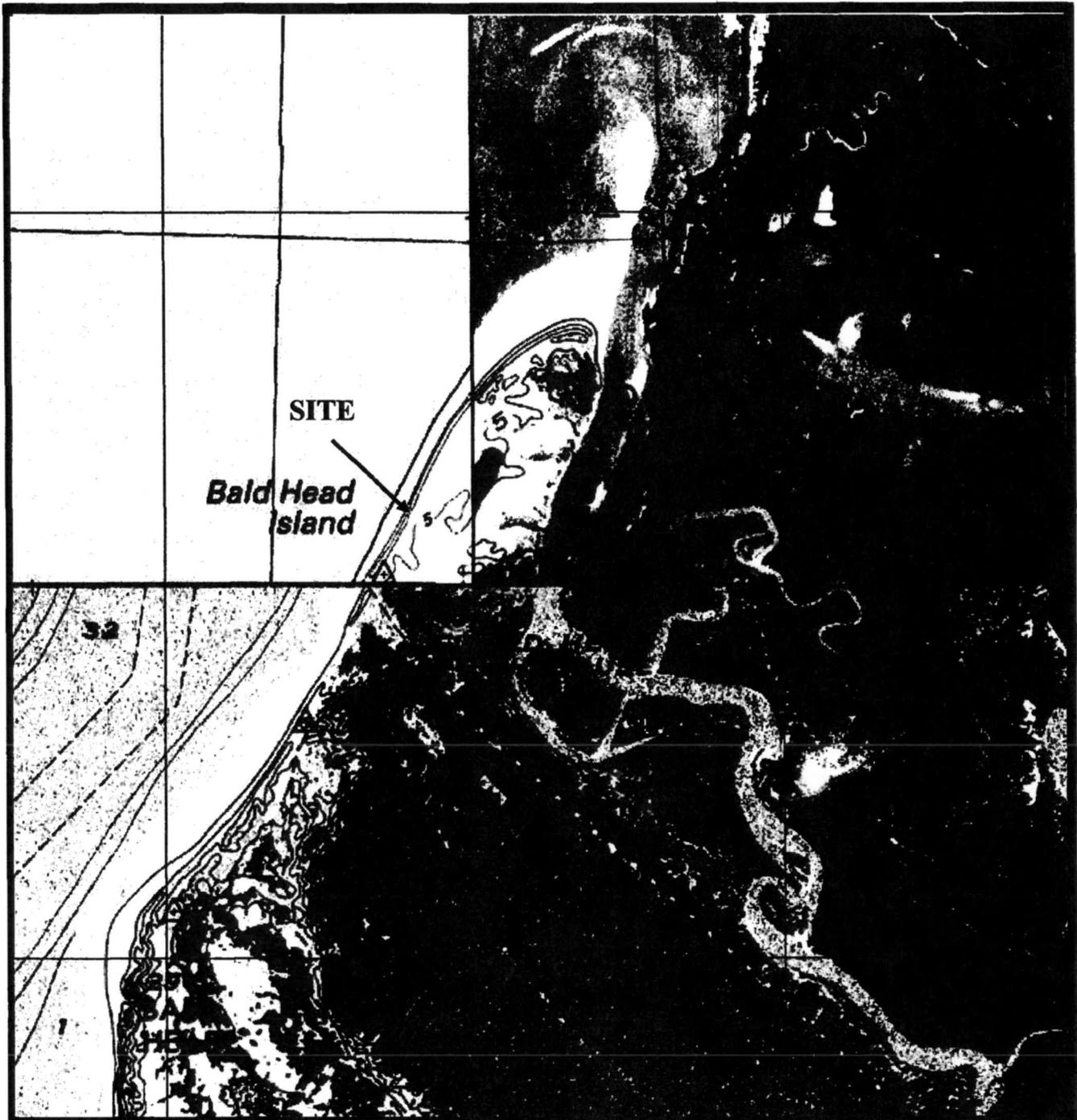
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that the information is true, accurate and complete. I believe that the submitted information is true, accurate and complete.

Print name and official title of owner or owner's authorized representative: Charles A. Paul, III Signature: [Signature] Date Signed: 10/12/11

UST-2 Rev 11/08 308



**FIGURES**



Approximate Scale 1 inch = 1,200 feet.  
 Contour Interval = 5 feet

**FIGURE 1: TOPOGRAPHIC MAP**

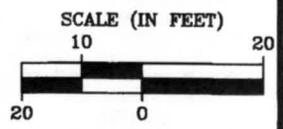
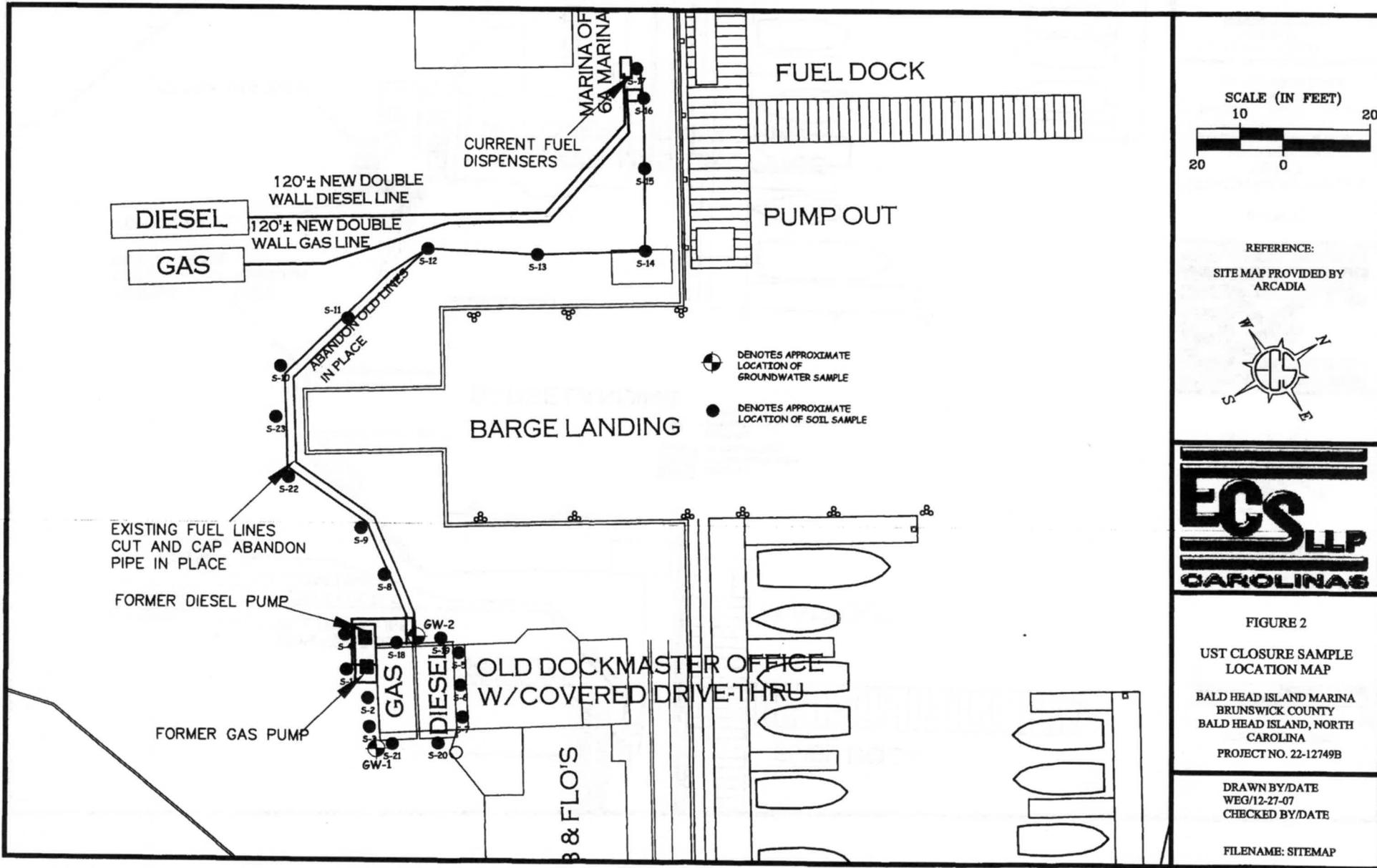
Source: USGS, Cape Fear, North Carolina Quadrangle 1970



Groundwater Sampling Report  
 Bald Head Island Marina  
 8 Marina Wynd  
 Bald Head Island, North Carolina



EGS Project No. 22-12749C  
 October 2011



REFERENCE:  
SITE MAP PROVIDED BY  
ARCADIA

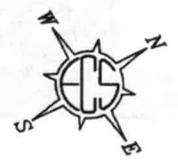
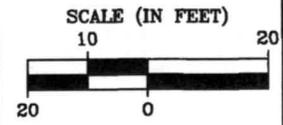
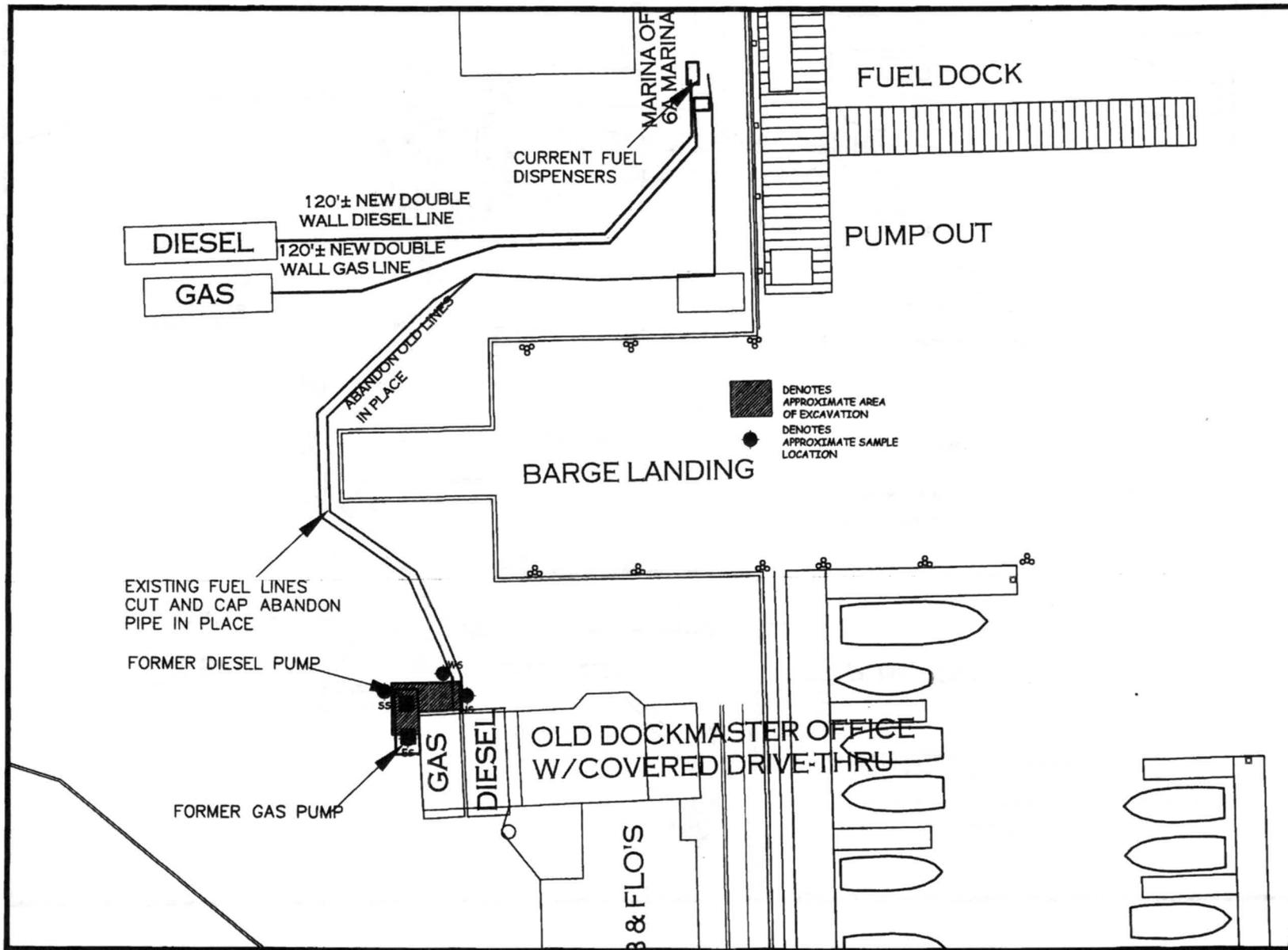


FIGURE 2  
UST CLOSURE SAMPLE  
LOCATION MAP  
BALD HEAD ISLAND MARINA  
BRUNSWICK COUNTY  
BALD HEAD ISLAND, NORTH  
CAROLINA  
PROJECT NO. 22-12749B

DRAWN BY/DATE  
WEG/12-27-07  
CHECKED BY/DATE

FILENAME: SITEMAP



REFERENCE:  
SITE MAP PROVIDED BY  
ARCADIA



FIGURE 3  
EXCAVATION EXTENT AND  
SAMPLE  
LOCATION MAP  
BALD HEAD ISLAND MARINA  
BRUNSWICK COUNTY  
BALD HEAD ISLAND, NORTH  
CAROLINA  
PROJECT NO. 22-12749B

DRAWN BY/DATE  
WEG/12-27-07  
CHECKED BY/DATE

FILENAME: SITEMAP

**TABLES**

**TABLE 1**  
**SUMMARY OF SOIL ANALYTICAL RESULTS**  
**BALD HEAD ISLAND MARINA**  
**ECS NO. 22-12749C**

Sample ID	Sample Location	Sample Date	PID Reading	TPH-DRO	TPH-DRO	Acetone	2-Butanone No Standard	Carbon disulfide	Naphthalene	Toluene	Xylene	Benzo(a)pyrene	Benzo(b)fluoranthene	Bis (2-ethylhexyl) phthalate	Chrysene	Dibutylphthalate	C8-CE Aliphatic	C9-C18 Aliphatic	C19-C36 Aliphatic No Standard	C10-E22 Aromatics
Soil-to-Water MSDC Reporting Limit				10	10	2.8	Standard	4.3	0.58	7.3	5	0.091	1.2	5.6	38	No Standard	72	3,300	Standard	34
S-1	Gas Tank	1/23/07	0.0	<6.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	Gas Tank / Pump	1/23/07	0.0	<3.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	Gas Tank	1/23/07	0.0	<5.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	Pump Island	01/23/07 01/30/07	2.3	<7.99	14.0	0.0229	<0.0233	<0.00467	<0.00467	<0.00467	<0.00467	<0.315	<0.315	<0.315	<0.315	<0.315	<10	<20	<10	<20
S-5	Diesel Tank	1/23/07	0.0	<7.25	<6.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	Diesel Tank	1/23/07	0.0	<5.15	<7.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	Diesel Tank	1/23/07	0.0	8.59	<6.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	Product Line	1/23/07	0.0	<5.58	<6.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	Product Line	1/23/07	0.0	<5.89	<6.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	Product Line	1/23/07	0.0	<4.96	<7.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-11	Product Line	1/23/07	0.0	<5.80	<6.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-12	Product Line	1/23/07	0.0	<4.35	<6.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-13	Product Line	1/23/07	0.0	<6.36	<6.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-14	Product Line	01/23/07 01/30/07	2.7	<5.40	14.3	0.0441	<0.0266	0.00863	0.00588	<0.00532	<0.00532	0.068	0.112	0.054	0.058	<0.339	<10	27	21	<20
S-15	Product Line	1/23/07	13.7	<5.68	17.9	<0.0384	<0.0192	<0.00384	<0.00384	0.00615	0.00392	<0.322	<0.322	<0.322	<0.322	<0.322	<10	<10	<10	<20
S-16	Diesel Dispenser	1/23/07	0.4	<5.20	55.0	<0.0407	<0.0203	<0.00407	<0.00407	<0.00407	<0.0122	<0.336	<0.336	<0.336	<0.336	<0.336	<10	<10	26	<20
S-17	Gas Dispenser	1/23/07	18.5	<5.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-18	Gas Tank	1/23/07	1.3	<5.78	12,100	0.0753	<0.0273	<0.00546	<0.00546	<0.00546	<0.01636	<0.355	<0.355	<0.355	<0.355	0.593	<10	6,700	<500	2,600
S-19	Diesel Tank	1/30/07	1.0	<5.79	27.4	0.0188	<0.0212	<0.00424	<0.00424	<0.00424	<0.00424	<0.325	<0.325	<0.325	<0.325	<0.325	<10	<20	<10	<20
S-20	Diesel Tank	1/23/07	0.0	<7.52	<6.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-21	Gas Tank	1/23/07	0.0	<6.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-22	Product Line	1/30/07	1.2	<5.48	<6.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-23	Product Line	01/23/07 01/30/07	2.2	<6.88	17.1	0.0255	0.00389	<0.00553	<0.00553	<0.00553	<0.00553	<0.322	<0.322	<0.322	<0.322	<0.322	<10	<20	<10	<20
NS	Excavation - North	2/6/07	0.0	NA	NA	0.00679	<0.0240	<0.00480	<0.00480	<0.00480	<0.00480	<0.318	<0.318	<0.318	<0.318	<0.318	<10	<20	<10	<20
ES	Excavation - East Side	2/6/07	0.0	NA	NA	0.0153	<0.0238	<0.00477	<0.00477	<0.00477	<0.00477	<0.338	<0.338	<0.338	<0.338	<0.338	<10	<20	<10	<20
SS	Excavation - South	2/6/07	0.0	NA	NA	<0.0564	<0.0282	<0.00564	<0.00564	<0.00564	<0.00564	<0.327	<0.327	<0.327	<0.327	<0.327	<10	19	70	<20
WS	Excavation - West Side	2/6/07	1/0/00	NA	NA	0.00579	<0.0215	<0.00430	<0.00430	<0.00430	<0.00430	<0.314	<0.314	<0.314	<0.314	<0.314	<10	29	17	<20

Concentrations are in mg/kg

Created by: SIW 02/22/07

Checked by: AKD 02/28/07

**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**BALD HEAD ISLAND MARINA**  
**ECS NO. 22-12749C**

Compound	Date	GW-1 (ug/l)	GW-2 (ug/l)	15A NCAC 2L Standard (ug/l)
Benzene	January 2007	<1.00	40.3	1
	6/12/2007	<1.00	9.26	
	12/10/2007	Well Destroyed	1.28	
	9/20/2011	Well Destroyed	<1.0	
Toluene	January 2007	<1.00	4.75	600
	6/12/2007	<1.00	<1.00	
	12/10/2007	Well Destroyed	<1.00	
	9/20/2011	Well Destroyed	<1.0	
Ethylbenzene	January 2007	<1.00	53.1	600
	6/12/2007	<1.00	6.44	
	12/10/2007	Well Destroyed	<1.00	
	9/20/2011	Well Destroyed	<1.0	
Xylenes	January 2007	2.57	281	500*
	6/12/2007	<4.00	<4.00	
	12/10/2007	Well Destroyed	<4.00	
	9/20/2011	Well Destroyed	<3.00	
MTBE	January 2007	7.44	22.9	20*
	6/12/2007	19.8	26.4	
	12/10/2007	Well Destroyed	<2.00	
	9/20/2011	Well Destroyed	<1.00	
EDB	January 2007	<0.0192	<0.0190	0.0004
	6/12/2007	NA	NA	
	12/10/2007	Well Destroyed	NA	
	9/20/2011	Well Destroyed	NA	
Lead	January 2007	8.45	6.22	15
	6/12/2007	NA	NA	
	12/10/2007	Well Destroyed	NA	
	9/20/2011	Well Destroyed	NA	
Bis (2-ethylhexyl) phthalate	January 2007	20.2	<10.0	3
	6/12/2007	<10.0	<10.0	
	12/10/2007	Well Destroyed	NA	
	9/20/2011	Well Destroyed	NA	
2,4-Dimethylphenol	January 2007	<10.0	13.5	100*
	6/12/2007	<10.0	<10.0	
	12/10/2007	Well Destroyed	NA	
	9/20/2011	Well Destroyed	NA	
Naphthalene	January 2007	<10.0	<1.0	6*
	39245	<10.0	<10.0	
	12/10/2007	Well Destroyed	NA	
	9/20/2011	Well Destroyed	<2.00	

NA = Not Analyzed

\* = 15A NCAC 2L Standard decreased since 2007 sampling event

**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**BALD HEAD ISLAND MARINA**  
**ECS NO. 22-12749C**

<b>C9-C18 Aliphatics</b>	January 2007	<100	<100	700*
	6/12/2007	NA	NA	
12/10/2007	Well Destroyed	NA	NA	
9/20/2011	Well Destroyed	NA	NA	
<b>C9-C12 Aliphatics</b>	January 2007	<100	730	10000*
	6/12/2007	NA	NA	
	12/10/2007	Well Destroyed	NA	
	9/20/2011	Well Destroyed	<50.0	
<b>C19-C36 Aliphatics</b>	January 2007	390	<100	200*
	6/12/2007	NA	NA	
	12/10/2007	Well Destroyed	NA	
	9/20/2011	Well Destroyed	NA	
<b>C9-C10 Aromatics</b>	January 2007	<100	<100	400*
	6/12/2007	NA	NA	
	12/10/2007	Well Destroyed	NA	
	9/20/2011	Well Destroyed	<50.0	
<b>C11-C22 Aromatics</b>	January 2007	<100	<100	
	6/12/2007	NA	NA	
	12/10/2007	Well Destroyed	NA	
	9/20/2011	Well Destroyed	NA	
<b>C5-C8 Aliphatics</b>	January 2007	<100	<100	
	6/12/2007	NA	NA	
	12/10/2007	Well Destroyed	NA	
	9/20/2011	Well Destroyed	<50.0	

NA = Not Analyzed

\* = 15A NCAC 2L Standard decreased since 2007 sampling event

**APPENDICES**



Pace Analytical Services, Inc.  
205 East Meadow Road - Suite A  
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(828)254-7176

Pace Analytical Services, Inc.  
9800 Kincey Ave. Suite 100  
Huntersville, NC 28078  
(704)875-9092

October 04, 2011

Amy Conchas  
ECS  
4211 Odgen Business Park  
Suite 101  
Wilmington, NC 28411

RE: Project: EB + FLO  
Pace Project No.: 92102734

Dear Amy Conchas:

Enclosed are the analytical results for sample(s) received by the laboratory on September 21, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

VPH analysis added to the final report on September 30, 2011.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie McKee

bonnie.mckee@pacelabs.com  
Project Manager

Enclosures

cc: Ms. Amy Conchas, ECS



### REPORT OF LABORATORY ANALYSIS

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### CERTIFICATIONS

Project: EB + FLO  
Pace Project No.: 92102734

#### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001  
South Carolina Drinking Water Cert. #: 99006003  
Virginia Drinking Water Certification #: 00213

Connecticut Certification #: PH-0104  
Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
Louisiana DHH Drinking Water # LA 100031  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 480144

### REPORT OF LABORATORY ANALYSIS



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**SAMPLE ANALYTE COUNT**

Project: EB + FLO  
 Pace Project No.: 92102734

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92102734001	GW-2	MADEP VPH	KJM	5	PASI-C
		SM 6200B	MCK	17	PASI-C

**REPORT OF LABORATORY ANALYSIS**

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### ANALYTICAL RESULTS

Project: EB + FLO  
 Pace Project No.: 92102734

Sample: **GW-2** Lab ID: **92102734001** Collected: 09/20/11 11:00 Received: 09/21/11 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>VPH NC Water</b>								
Analytical Method: MADEP VPH								
Aliphatic (C05-C08)	ND	ug/L	50.0	1		09/29/11 23:51		N2
Aliphatic (C09-C12)	ND	ug/L	50.0	1		09/29/11 23:51		N2
Aromatic (C09-C10)	ND	ug/L	50.0	1		09/29/11 23:51		N2
2,5-Dibromotoluene (PID)(S)	76 %		70-130	1		09/29/11 23:51		
2,5-Dibromotoluene (FID)(S)	97 %		70-130	1		09/29/11 23:51		
<b>602 Volatiles by Method 6200</b>								
Analytical Method: SM 6200B								
Benzene	ND	ug/L	1.0	1		09/27/11 03:04	71-43-2	
Toluene	ND	ug/L	1.0	1		09/27/11 03:04	108-88-3	
Ethylbenzene	ND	ug/L	1.0	1		09/27/11 03:04	100-41-4	
m&p-Xylene	ND	ug/L	2.0	1		09/27/11 03:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/27/11 03:04	95-47-6	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/27/11 03:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/27/11 03:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/27/11 03:04	106-46-7	
Chlorobenzene	ND	ug/L	1.0	1		09/27/11 03:04	108-90-7	
Diisopropyl ether	ND	ug/L	1.0	1		09/27/11 03:04	108-20-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/27/11 03:04	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/27/11 03:04	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		09/27/11 03:04	91-20-3	
4-Bromofluorobenzene (S)	92 %		70-130	1		09/27/11 03:04	460-00-4	
Dibromofluoromethane (S)	124 %		70-130	1		09/27/11 03:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	118 %		70-130	1		09/27/11 03:04	17060-07-0	
Toluene-d8 (S)	103 %		70-130	1		09/27/11 03:04	2037-26-5	



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**QUALITY CONTROL DATA**

Project: EB + FLO  
 Pace Project No.: 92102734

QC Batch: GCV/5395 Analysis Method: MADEP VPH  
 QC Batch Method: MADEP VPH Analysis Description: VPH NC Water  
 Associated Lab Samples: 92102734001

METHOD BLANK: 665985 Matrix: Water  
 Associated Lab Samples: 92102734001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aliphatic (C05-C08)	ug/L	ND	50.0	09/29/11 22:36	N2
Aliphatic (C09-C12)	ug/L	ND	50.0	09/29/11 22:36	N2
Aromatic (C09-C10)	ug/L	ND	50.0	09/29/11 22:36	N2
2,5-Dibromotoluene (FID)(S)	%	102	70-130	09/29/11 22:36	
2,5-Dibromotoluene (PID)(S)	%	80	70-130	09/29/11 22:36	

LABORATORY CONTROL SAMPLE & LCSD: 665986 665987

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (C05-C08)	ug/L	300	274	268	91	89	70-130	2	25	N2
Aliphatic (C09-C12)	ug/L	300	312	295	104	98	30-130	5	25	N2
Aromatic (C09-C10)	ug/L	100	101	92.1	101	92	70-130	9	25	N2
2,5-Dibromotoluene (FID)(S)	%				108	99	70-130			
2,5-Dibromotoluene (PID)(S)	%				102	100	70-130			



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 Asheville, NC 28804  
 (828)254-7176

Pace Analytical Services, Inc.  
 9800 Kincoy Ave. Suite 100  
 Huntersville, NC 28078  
 (704)875-9092

**QUALITY CONTROL DATA**

Project: EB + FLO  
 Pace Project No.: 92102734

QC Batch: MSV/16787 Analysis Method: SM 6200B  
 QC Batch Method: SM 6200B Analysis Description: 602 by 6200B  
 Associated Lab Samples: 92102734001

METHOD BLANK: 664183 Matrix: Water  
 Associated Lab Samples: 92102734001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichlorobenzene	ug/L	ND	1.0	09/26/11 21:57	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/26/11 21:57	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/26/11 21:57	
Benzene	ug/L	ND	1.0	09/26/11 21:57	
Chlorobenzene	ug/L	ND	1.0	09/26/11 21:57	
Diisopropyl ether	ug/L	ND	1.0	09/26/11 21:57	
Ethylbenzene	ug/L	ND	1.0	09/26/11 21:57	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/26/11 21:57	
m&p-Xylene	ug/L	ND	2.0	09/26/11 21:57	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/26/11 21:57	
Naphthalene	ug/L	ND	2.0	09/26/11 21:57	
o-Xylene	ug/L	ND	1.0	09/26/11 21:57	
Toluene	ug/L	ND	1.0	09/26/11 21:57	
1,2-Dichloroethane-d4 (S)	%	105	70-130	09/26/11 21:57	
4-Bromofluorobenzene (S)	%	94	70-130	09/26/11 21:57	
Dibromofluoromethane (S)	%	106	70-130	09/26/11 21:57	
Toluene-d8 (S)	%	99	70-130	09/26/11 21:57	

LABORATORY CONTROL SAMPLE: 664184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	50	50.7	101	60-140	
1,3-Dichlorobenzene	ug/L	50	50.2	100	60-140	
1,4-Dichlorobenzene	ug/L	50	48.3	97	60-140	
Benzene	ug/L	50	50.1	100	60-140	
Chlorobenzene	ug/L	50	48.8	98	60-140	
Diisopropyl ether	ug/L	50	47.7	95	60-140	
Ethylbenzene	ug/L	50	51.7	103	60-140	
Isopropylbenzene (Cumene)	ug/L	50	46.9	94	60-140	
m&p-Xylene	ug/L	100	107	107	60-140	
Methyl-tert-butyl ether	ug/L	50	47.9	96	60-140	
Naphthalene	ug/L	50	49.2	98	60-140	
o-Xylene	ug/L	50	48.8	98	60-140	
Toluene	ug/L	50	49.3	99	60-140	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			92	70-130	
Toluene-d8 (S)	%			99	70-130	

Date: 10/04/2011 12:47 PM

**REPORT OF LABORATORY ANALYSIS**

Page 6 of 8

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### QUALIFIERS

Project: EB + FLO  
Pace Project No.: 92102734

#### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

#### LABORATORIES

PASI-C Pace Analytical Services - Charlotte

#### ANALYTE QUALIFIERS

N2 The lab does not hold TNI accreditation for this parameter.



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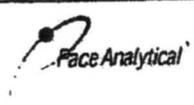
Pace Analytical Services, Inc.  
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Huntersville, NC 28078  
(704)875-9092

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EB + FLO  
Pace Project No.: 92102734

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92102734001	GW-2	MADEP VPH	GCV/5395		
92102734001	GW-2	SM 6200B	MSV/16787		





Document Name:  
**Sample Condition Upon Receipt (SCUR)**  
 Document Number:  
**F-CHR-CS-03-rev.05**

Document Revised: July 29, 2011  
 Page 1 of 2  
 Issuing Authority:  
 Pace Huntersville Quality Office

Client Name: ECS Project # 92102734

Where Received:  Huntersville  Asheville  Eden

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_  
 Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Optional: \_\_\_\_\_  
 Proj. Due Date: \_\_\_\_\_  
 Proj. Name: \_\_\_\_\_

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 Type of Ice: Wet Blue None  Samples on Ice, cooling process has begun

Temp Correction Factor Add / Subtract 0 °C  
 Corrected Cooler Temp.: 2.2 °C Biological Tissue is Frozen: Yes No N/A  
 Temp should be above freezing to 6°C

Date and Initials of person examining contents: 9/29/11

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace In VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Person Contacted: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_

Field Data Required? Y / N

SCURF Review: BKM Date: 9/21/11 SRF Review: BKM Date: 9/21/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



**ECS CAROLINAS, LLP**

7211 Odgen Business Park  
Suite 201  
Wilmington, NC 28411  
(910) 686-9114  
(910) 686-9666 fax

# Letter of Transmittal

Date: January 3, 2008

To:

Mr. David Peacock  
DENR  
127 Cardinal Drive Extension  
Wilmington, NC 28405

RECEIVED

Re: UST Closure and Initial Action Abatement Report  
ECS Job # 22:12749-B — Bald Head Island UST Closure Report

**We are enclosing:**

- Attached
- Under separate cover via \_\_\_\_\_ the following items:
- Reports       Prints       Boring Logs       Specifications
- \_\_\_\_\_

**These are transmitted:**

- For Approval       For Your Use       As Requested       For Review & Comment

**Remarks:**

Attached is a copy of the UST Closure and Initial Action Abatement Report for the former UST system located on Bald Head Island at the former dock masters office, which is the current Eb and Flo Restaurant.

*1-14-2008*  
Groundwater > 2L standards  
Soils remediated to below  
residential mscc. No wells  
within 1,000 ft. of release  
Low RISK can close with  
Deed restriction.

*Amy Conchas*

Amy C. Conchas  
Project Scientist



**ECS CAROLINAS, LLP**

**Geotechnical • Construction Materials • Environmental • Facilities**

December 31, 2007

Mr. Bruce Marek, P.E.  
Bald Head Island Limited, LLC  
Post Office Box 3069  
Bald Head Island, North Carolina 28461

RECEIVED

Reference: Initial Action Abatement and UST Closure Report  
Bald Head Island Marina (Eb and Flo Restaurant)  
Facility ID # 0-021446  
8 Marina Wynd  
Bald Head Island, Brunswick County, North Carolina  
ECS Carolinas, LLP Project Number 22-12749B

Dear Mr. Marek:

ECS Carolinas, LLP (ECS) is pleased to provide Bald Head Island Limited, LLC with the preparation of this *Initial Action Abatement and UST Closure Report* that documents closure activities for one 10,000-gallon gasoline underground storage tank (UST) and one 10,000-gallon diesel UST located at the above referenced site. Environmental services were provided in general accordance with ECS Proposal No. 22-10815R, dated November 27, 2007 and authorized on December 4, 2007. Included in this report is a description of the field activities, the results obtained, and our conclusions and recommendations.

ECS appreciates the opportunity to provide our environmental consulting services to you on this project. If you have any questions concerning this report or this project, please contact ECS at (910) 686-9114.

Respectfully submitted,

**ECS CAROLINAS, LLP**

*Amy Conchas*  
Amy C. Conchas  
Project Scientist

*John S. Lair*  
John S. Lair, P.G.  
Principal Geologist  
NC Licensed Geologist #2075



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**FIGURES**

- Figure 1 – Site Location Map
- Figure 2 – UST Closure Sample Location Map
- Figure 3 – Excavation Extent and Sample Location Map

**TABLE**

- Table 1 – Summary of Soil Analytical Results
- Table 2 – Summary of Groundwater Analytical Results

**APPENDICES**

- Appendix I – Non-Hazardous Waste Disposal Manifest
- Appendix II – Laboratory Data Sheets and Chain of Custody Records

## I. GENERAL INFORMATION

The site is currently developed with Eb and Flo's restaurant located at the Bald Head Island Marina at 6A Marina Wynd in Bald Head Island, Brunswick County, North Carolina (**Figure 1**). Eb and Flo's restaurant was originally the dock masters office. ECS was contacted by Mr. Bruce Marek, a representative of Bald Head Island Limited, LLC (BHIL) to perform sampling activities associated with the UST closure. Mr. Marek originally planned to manage the UST closures and prepare necessary notices, reports and documents. However, due to unforeseen circumstances, ECS Carolinas, LLP was contacted by Bruce Marek to prepare the necessary reports.

Information regarding ownership, project contacts, UST information and characteristics is presented below:

### A. OWNERSHIP OF UST:

Bald Head Island Limited, LLC  
Post Office Box 3069  
Bald Head Island, North Carolina 28461

### B. FACILITY INFORMATION:

Bald Head Island Marina (Eb and Flo Restaurant)  
8 Marina Wynd  
Bald Head Island, North Carolina

### C. CONTACTS:

Primary Contact: Mr. Bruce Marek, P.E.  
Representative of Bald Head Island Limited, LLC  
Post Office Box 3069  
Bald Head Island, North Carolina 28461  
(910) 457-7515

Closure Contractor: Mr. Bruce Marek, P.E.  
Representative of Bald Head Island Limited, LLC  
Post Office Box 3069  
Bald Head Island, North Carolina 28461  
(910) 457-7515

Primary Consultant: ECS Carolinas, LLP  
7211 Ogden Business Park, Suite 201  
Wilmington, North Carolina 28411  
(910) 686-9114

Laboratory: Paradigm/SGS Environmental Services  
5500 Business Drive  
Wilmington, North Carolina 28405  
Laboratory Certification I.D. # 481  
(910) 350-1903

**D. UST INFORMATION:**

Tank Number	Installation Date	Size	Tank Dimensions (diameter x length)	Last Contents	Previous Contents
UST-1	10/29/1986	10,000-gallons	Abandoned In Place	Diesel	Diesel
UST-2	10/29/1986	10,000-gallons	Abandoned in Place	Gasoline	Gasoline

**E. SITE CHARACTERISTICS:**

The site is currently developed with the Eb and Flo Restaurant at the Bald Head Island Marina on Bald Head Island, Brunswick County, North Carolina (Figure 1). The restaurant building was previously the dock masters office and contained a 10,000-gallon gasoline UST and 10,000-gallon diesel UST and a gasoline and diesel pump (Figure 2). The diesel pumps at the former dock masters office were removed and new pumps were installed at the fuel dock in the marina in the mid 1990s. The above mentioned USTs were removed from service on January 12, 2007 after the current USTs were installed. Prior to the January 12, 2007 removal from services, one 8,000-gallon gasoline UST and one 12,000-gallon diesel UST were installed and new pipes were installed to connect the USTs to the gasoline and diesel pump. The location of the new USTs is shown on Figure 2.

The site is located in the Coastal Plain Physiographic Province. The Coastal Plain is composed of seven terraces, each representing a former level of the Atlantic Ocean. Soils in this area generally consist of sedimentary materials transported from other areas by the ocean or rivers. These deposits vary in thickness from a thin veneer along the western edge of the region to more than 2,000 feet near the coast. The sedimentary deposits of the Coastal Plain rest upon consolidated rocks similar to those underlying the Piedmont and Mountain Physiographic Provinces. As such, shallow groundwater would be expected to flow west, toward the Cape Fear River (Figure 1).

## II. UST CLOSURE PROCEDURES

Due to the location of the USTs, which are directly beside the building, the decision was made by Bald Head Island engineers to abandon the USTs in place in order to not risk the building integrity. Prior to initiating abandonment activities, P&W Oil Services removed the residual liquids from the USTs on January 16, 2007 using a vac-truck. Based on the waste disposal manifest for the liquids, approximately 250 gallons of non-hazardous liquids were removed from the USTs and transported to the P&W Oil Service facility for proper disposal. A Material Manifest for the liquids and sludges is included in **Appendix I**. The USTs were filled with concrete in late January 2007 by Island Contracting. Shortly after abandonment, construction activities at the Eb and Flo Restaurant included extending the building over the USTs and original pump island.

Based on field observations on January 23, 2007, petroleum leaked from the product pipes when they were disconnected from the pumps and removed from the areas in which the new product lines with the new USTs would be installed. ECS and Bald Head Island removed with a shovel the soils which contained a petroleum odor and elevated organic vapor readings using a photoionization detector (PID). Approximately half a cubic yard of soil was removed. This soil was transported with additional soil later excavated to Deep Point which is mainland property owned by Bald Head Island Limited, LLC. The soil was tilled into the soil in locations agreed upon with Mr. David Peacock with the NCDENR.

## III. SOIL SAMPLE COLLECTION ACTIVITIES

### SOIL SCENING PROCEDURES

On January 23 and 30, 2007, ECS mobilized to the site to collect soil samples around the USTs, along the product line and underneath the dispensers and a former pump island located adjacent to the USTs. The soil samples around the USTs were collected from a depth of approximately three feet below ground surface. The high water mark at the site appears to be just below three feet; therefore, the samples were collected above the high water mark. The soil samples collected from along the product line and beneath the dispenser locations were collected from approximately one foot beneath the UST system. The soil samples were screened in the field for volatile organic vapors using a photoionization detector. The PID readings are included on **Table 2** which summarizes the soil sampling results.

### SOIL SAMPLE PROCEDURES

The soil samples were collected from a properly decontaminated hand auger using new, disposable nitrile gloves and directly placed into new laboratory prepared containers. The soil samples were placed in laboratory-prepared containers using a new pair of disposable nitrile gloves. The sample containers were labeled with the project name, sample location and the date and time that the samples were collected, placed in a cooler containing ice (4°C), and delivered to SGS - Paradigm Analytical Laboratories, Inc. in Wilmington, North Carolina under standard chain-of-custody protocol. The soil samples were analyzed using EPA Method 8015/5035 and 8015/3550 for total petroleum hydrocarbons (TPH), gasoline and diesel range organics, according to the North Carolina Department of Environment and Natural Resources (NCDENR) UST Closure requirements. If the TPH analysis indicated a concentration exceeding 10.0 mg/kg, the sample was also analyzed using the risk-based analysis for volatile organic compounds (VOCs) using EPA Method 8260, for semi-volatile organic compounds (SVOCs) using EPA Method 8270 and Massachusetts Department of Environmental Protection (MADEP) Methods for volatile petroleum

hydrocarbons (VPH) and extractable petroleum hydrocarbons (EPH). A copy of the laboratory data and a figure showing the sample locations is included as an **Appendix II**.

#### CLOSURE SOIL SAMPLE COLLECTION

On January 23, and 30, 2007, ECS personnel collected twenty-three closure samples, as depicted on **Figure 2**. Two soil samples were collected directly beside the location of the former dispensers and two soil samples were collected directly at the base of the current dispensers, after removal of the soil previously discussed. Nine soil samples were collected around the perimeter of the USTs. Ten soil samples were collected along the product lines, with sample S-15 collected from the area of the product line for which soil was removed.

The soil samples were placed in laboratory-prepared containers using a new pair of disposable nitrile gloves. The sample containers were labeled with the project name, sample location and the date and time that the samples were collected, placed in a cooler containing ice (4°C), and delivered to SGS - Paradigm Analytical Laboratories, Inc. in Wilmington, North Carolina under standard chain-of-custody protocol. The soil samples were analyzed using EPA Method 8015/5035 and 8015/3550 for total petroleum hydrocarbons (TPH), gasoline and diesel range organics, according to the NCDENR UST Closure requirements. If the TPH analysis indicated a concentration exceeding 10.0 mg/kg, the sample was also analyzed for VOCs and SVOCs using EPA Methods 8260 and 8270 and for VPH and EPH using the Massachusetts Department of Environmental Protection (MADEP) Method.

#### OVER-EXCAVATION SOIL SAMPLE COLLECTION

Based on the results of the soil sampling performed on January 23 and 30, 2007, the soil sample collected from the western end of the gasoline UST (S-18) exhibited an elevated concentration of TPH for diesel range organics and concentrations for C9-C18 aliphatics which exceeded the soil-to-groundwater maximum soil contaminant concentrations (MSCCs). Therefore, BHIL decided to excavate the soil in the vicinity of sample S-18 to determine the source of the release and remove soil exhibiting concentrations exceeding the soil-to-groundwater MSCCs.

On February 6, 2007, ECS mobilized to the site to collect soil samples around the perimeter of the soil excavation conducted by BHIL. The excavation extended to the south, underneath the former pump island. The diesel product line underneath the former pump island appeared to be the source of the release. After the visually impacted soil located above the three foot depth high water line was removed, ECS collected four side wall samples (ES, WS, NS and SS) from the UST excavation directly above a depth of three feet. A bottom sample was not collected since the excavation extended below the high water mark and into saturated soils. Approximately 2.5 cubic yards of soil were removed and transported to Deep Point which is mainland property owned by Bald Head Island Limited, LLC. The soil was tilled into the soil in locations agreed upon with Mr. David Peacock with the NCDENR. The soil samples were placed in laboratory-prepared containers using a new pair of disposable nitrile gloves. The sample containers were labeled with the project name, sample location and the date and time that the samples were collected, placed in a cooler containing ice (4°C), and delivered to SGS - Paradigm Analytical Laboratories, Inc. in Wilmington, North Carolina under standard chain-of-custody protocol. The soil samples were analyzed using EPA Methods 8260 and 8270 and MADEP Methods for VPH and EPH.

#### IV. SOIL SAMPLE ANALYTICAL RESULTS

##### CLOSURE SOIL SAMPLE RESULTS

Samples collected from the former pump island, the product line, the diesel dispenser, the diesel UST and gasoline UST contained TPH concentrations exceeding 10.0 mg/kg. After analysis using risk-based methods, the soil sample collected from the western end of the gasoline UST (S-18) exhibited an elevated concentration of C9-C18 aliphatics which exceeded the soil-to-groundwater MSCCs. The remaining soil samples analyzed using the risk-based methods did not contain concentrations exceeding the soil-to-groundwater MSCCs. The results of the soil sample analysis are included in **Table 1**.

##### OVER-EXCAVATION SOIL SAMPLE RESULTS

Laboratory results from over-excavation soil samples did not indicate analyzed constituent concentrations above their respective NCDENR, UST Section risk-based soil-to-groundwater MSCCs. Over-excavation soil sample results are summarized in **Table 1**.

#### V. GROUNDWATER SAMPLE COLLECTION ACTIVITIES

Based on the observation of groundwater entering the excavation, per *Guidelines for Site Checks, Tank Closures, and Initial Response and Abatement*, NCDENR UST Section, dated March 1, 2007, a groundwater sample is required as part of the UST closure activities. Two monitoring wells were previously installed on either ends of the UST basin as part of the UST monitoring. Groundwater sampling of these wells were used as part of the closure activities. The locations of these wells are shown on **Figure 2**.

##### GROUNDWATER SAMPLE COLLECTION PROCEDURES

On January 16, 2007, ECS mobilized to the site to collect one groundwater sample from an existing monitoring well located to the northeast of the UST basin. The groundwater sample from this monitoring well was labeled as GW-1. The depth to the static water level was measured in the well prior to sampling activities. The depth to water from the top of casing (TOC) was measured at 4.8 feet and the well depth was measured at 9.3 feet. After gauging, the well was purged using a disposable plastic bailer. The purging consisted of removing approximately three well volumes of water. Field parameters for pH, temperature and conductivity were measured after each well volume. The pH measurements ranged from 7.05 to 7.15 standard units (SUs). The temperature measurement ranged from 18.8° Celsius to 19.5° Celsius. The conductivity ranged from 0.39 to 0.43 milliSiemens/cm (mS/cm).

On January 23, 2007, ECS mobilized to the site to collect one groundwater sample from an additional monitoring well located to the northwest of the UST basin. The groundwater sample from this monitoring well was labeled as GW-2. The depth to the static water level was measured in the well prior to sampling activities. The depth to water from the TOC was measured at 4.6 feet and the well depth was measured at 8.6 feet. After gauging, the well was purged using a disposable plastic bailer. The purging consisted of removing approximately three well volumes of water. Field parameters for pH, temperature and conductivity were measured after each well volume. The pH measurements ranged from 7.21 to 7.27 SUs. The temperature measurement ranged from 16.3° Celsius to 16.7° Celsius. The conductivity ranged from 0.47 to 0.49 mS/cm.

On June 12, 2007, ECS mobilized to the site to collect one groundwater sample from each of the two existing on-site groundwater monitoring wells, as shown on the attached figure. The depth to the static water level was measured in the wells prior to sampling activities. The depth to water from the TOC in well GW-1 was measured at 3.30 feet and was measured at 3.32 feet in well GW-2. After gauging, the wells were purged using dedicated disposable plastic bailers for each well. The purging consisted of removing approximately three well volumes of water. Field parameters for pH, temperature and conductivity were measured after each well volume. The pH measurements ranged from approximately 6.7 SUs in well GW-2 to approximately 6.9 SUs in well GW-1. The temperature measurements ranged from 20.7° Celsius to 21.6° Celsius. The conductivity ranged from approximately 0.6 mS/cm in well GW-1 to approximately 1.03 mS/cm in well GW-2.

On December 10, 2007, ECS mobilized to the site to collect one groundwater sample from each of the two existing on-site groundwater monitoring wells, as shown on the attached figure. However, well GW-1 was unable to be located due to the construction activities at the Eb and Flo restaurant. Therefore, only GW-2 was sampled. The depth to the static water level was measured in the well prior to sampling activities. The depth to water from the TOC in well GW-2 was measured at 4.65 feet. After gauging, the well was purged using a dedicated disposable plastic bailer. The purging consisted of removing approximately three well volumes of water. Field parameters for pH, temperature and conductivity were measured after well development and prior to sampling. The groundwater from GW-2 contained a pH of 6.92 SUs, conductivity of 0.81 mS/cm and a temperature of 19.7°C.

The groundwater samples were collected using monofilament and a disposable plastic bailer. The samples were placed in laboratory-prepared containers using a new pair of disposable nitrile gloves. The sample containers were labeled with the project name, sample location and the date and time that the samples were collected, placed in a cooler containing ice (4°C), and delivered to SGS - Paradigm Analytical Laboratories, Inc. in Wilmington, North Carolina under standard chain-of-custody protocol. The groundwater samples from January 16 and 23, 2007 were analyzed using EPA Method 601/602, EPA 625 plus 10 tics, EPA Method 504.1, EPA Method 3030C and MADEP Methods for VPH and EPH. The groundwater samples from June 12 and December 10, 2007 were analyzed using EPA Method 602 for volatile VOCs and EPA 625 for SVOCs.

## **VI. GROUNDWATER SAMPLE ANALYTICAL RESULTS**

The results of the January 2007 groundwater sampling identified concentrations of benzene, toluene, ethylbenzene, xylenes, MTBE, lead, 2,4-Dimethylphenol and C9-C12 aliphatics, of which the bis(2-ethylhexyl)phthalate concentration (20.2 ug/l) in GW-1 and the benzene concentration (40.3 ug/l) in GW-2 exceeded the NCAC 2L groundwater standards of 2.5 ug/l for bis(2-ethylhexyl)phthalate and 1.0 ug/l for benzene. The results of the June 12, 2007 sampling event identified an MTBE concentration in sample GW-1 and a benzene, ethylbenzene and MTBE concentration were identified in GW-2. Bis(2-ethylhexyl)phthalate was not detected in the groundwater samples. Of the compounds identified, only the benzene concentration of 9.26 ug/l exceeded the NCAC 2L groundwater standard. The results of the December 10, 2007 groundwater sampling identified only a benzene concentration of 1.28 ug/l, which slightly exceeded the NCAC 2L groundwater standard of 1.0 ug/l.

## VII. RISK CHARACTERIZATION

The answers in the following questionnaire will help with the assignment of the risk classification for the site. This information was obtained from Bruce Marek with the Bald Head Island Planning Department.

### Risk Classification and Land Use Form

#### Part I - Groundwater/Surface Water/Vapor Impacts

##### High Risk

1. Has the discharge or release contaminated any water supply well including any used for non-drinking purposes? **NO**
2. Is a water supply well used for drinking water located within 1,000 feet of the source area of the discharge or release? **NO**
3. Is a water supply well used for any purpose (e.g., irrigation, washing cars, industrial cooling, filling swimming pools) located within 250 feet of the source area of the release or discharge? **NO**
4. Does the groundwater within 500 feet of the source area of the discharge or release have the potential for future use in that there is no other source of water supply other than the groundwater? **NO**
5. Do vapors from the discharge or release pose a threat of explosion because of accumulation of the vapors in a confined space or pose any other serious threat to public health, public safety, or the environment? **NO**
6. Are there any other factors that would cause the discharge or release to pose an imminent danger to public health, public safety, or the environment? **NO**

##### Intermediate Risk

7. Is a surface water body located within 500 feet of the source area of the discharge or release? **YES**  
  
*The Bald Head Island marina is located approximately 50 feet north of the release area.*
8. Is the source area of the discharge or release located within a designated wellhead protection area as defined in 42 USC 300h-7(e)? **NO**
9. Is the discharge or release located in the Coastal Plain Physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985? **YES**
10. Do the levels of groundwater contamination for any contaminant exceed the gross contamination levels established by the Department? **NO**

Initial Abatement Action and UST Closure Report  
Bald Head Island Marina (Eb and Flo Restaurant)  
8 Marina Wynd  
Bald Head Island, Brunswick County, North Carolina  
ECS Carolinas, LLP Project Number 22-12749B  
December 31, 2007

Part II - Land Use

**Property Containing Source Area of Discharge or Release**

1. Does the property contain one or more primary or secondary residences (permanent or temporary)? **NO**
2. Does the property contain a school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly? **NO**
3. Does the property contain a commercial (e.g., retail, warehouse, office/business space, etc.) or industrial (e.g., manufacturing, utilities, industrial research and development, chemical/petroleum bulk storage, etc.) enterprise, an inactive commercial or industrial enterprise, or is the land undeveloped? **YES**

*The property is developed with the Eb and Flo restaurant*

4. Do children visit the property? **YES**
5. Is access to the property reliably restricted consistent with its use (e.g., by fences, security personnel, or both)? **NO**
6. Does pavement, buildings, or other structures cap the contaminated soil? **YES**

*The property is developed with the Eb and Flo restaurant, which was constructed over the USTs and former pump island. A small door provides access to the earthen crawlspace where the USTs and former pump island are located.*

7. What is the zoning status of the property?

*The property is zoned PD-3C for planned development-commercial in the Harbour Commercial zoning district.*

8. Is the use of the property likely to change in the next 20 years? **NO**

*The site is located beside the marina and therefore, will most likely be of commercial use.*

Property Surrounding Source Area of Discharge or Release

9. What is the distance from the source area of the release to the nearest primary or secondary residence (permanent or temporary)?

*An area of vacation residential properties is located approximately 650 feet south of the site.*

10. What is the distance from the source area of the release to the nearest school, daycare center, hospital, playground, park, recreation area, church, nursing home or other place of public assembly?

*A tent site used for weddings and gatherings is located approximately 650 feet northeast of the site.*

11. What is the zoning status of properties in the surrounding area?

*The surrounding area is zoned PD-3C.*

12. Briefly characterize the use and activities of the land in the surrounding area.

*The surrounding area consists of the marina and administrative offices for Bald Head Island.*

## VIII. RECEPTOR INFORMATION

### Water Supply Wells

Based on information obtained from Mr. Bruce Marek, water supply wells of any use are not allowed on the western portion of the island near the site, except for public wells owned by the Village of Bald Head Island. The Village of Bald Head Island Utility Company maintains 16 public wells. Ten private irrigation wells are located on the golf course and one private irrigation well is located at Village Commons, which is a park on the east end of the island. The closest well is located approximately 3,000 feet south of the site, near the golf course.

### Public Water Supplies

Municipal water is supplied to the site area by the Village of Bald Head Island and Brunswick County. Bald Head Island obtains their water from numerous municipal water supply wells, of which the closest is approximately 3,000 feet south of the site.

### Surface Water

The nearest surface water feature is the Bald Head Island marina located approximately 50 feet north of the release area (Figure 1).

### Well-head Protected Areas

ECS did not identify designated wellhead protection areas as defined by 42 USC 300h-7(e) located within 1,500 feet of the site. According to Mr. Marek, Bald Head Island does not maintain a wellhead protection area. The closest water supply well is approximately 3,000 feet south of the site.

### Subsurface Structures

The abandoned USTs and abandoned product lines remain in the release area. Additionally, a grease trap was installed to the east of the USTs. However, no subsurface structures not associated with the abandoned tank system are located directly in the release area.

### Land Use

The site is currently used as a restaurant but was previously used as the dock masters offices. The site is part of the Bald Head Island Marina.

### Property Owners and Occupants

Properties within 500 feet of the release area are owned by Bald Head Island Limited, LLC.

## **IX. CONCLUSIONS**

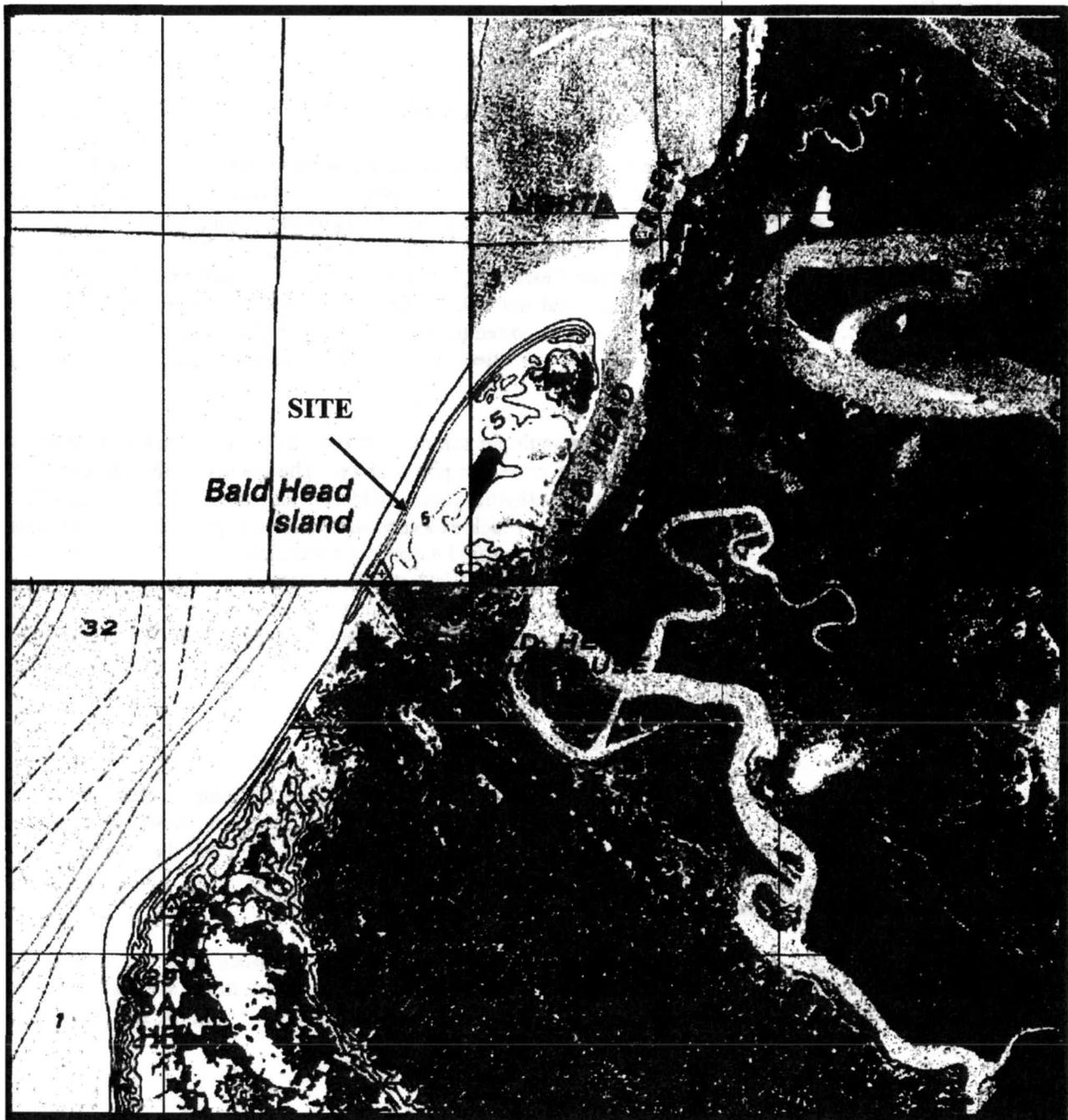
ECS personnel collected closure soil samples as part of the in-place closure of two USTs at the Bald Head Island Marina. Approximately 0.5 cubic yards of soil was removed from beneath the product line and dispensers prior to sample collection. Based on the results of the soil sampling, a release had occurred from the former diesel pump located at the former dock masters office. Approximately 2.5 cubic yards of soil was removed from the vicinity of the former diesel pump. The excavation extended into the water table. The results of the post-excavation sampling did not indicate targeted compounds exceeding the soil-to-groundwater MSCCs. The soil removed was transported to Deep Point which is mainland property owned by Bald Head Island Limited, LLC. The soil was tilled into the soil in locations agreed upon with Mr. David Peacock with the NCDENR.

ECS collected groundwater samples during multiple sampling events from two previously installed monitoring wells located on either side of the closed in place USTs. The results of the January 2007 groundwater sampling event identified a bis(2-ethylhexyl)phthalate concentration (20.2 ug/l) in GW-1 and a benzene concentration (40.3 ug/l) in GW-2 which exceeded the NCAC 2L groundwater standards. The results of the June 12, 2007 sampling event identified a benzene concentration of 9.26 ug/l in GW-2 which exceeded the NCAC 2L groundwater standard. Bis(2-ethylhexyl)phthalate was not identified in either sample. The sample from GW-1 did not contain concentrations exceeding the NCAC 2L groundwater standard. The results of the December 10, 2007 groundwater sampling, which included only well GW-2 identified only a benzene concentration of 1.28 ug/l, which exceeded the NCAC 2L groundwater standard of 1.0 ug/l.

## **X. RECOMMENDATIONS**

ECS recommends that a copy of this report be submitted to the NCDENR – Wilmington Regional Office (WRO), Division of Waste Management, UST Section for their review. Based on over-excavation soil sample results, ECS does not recommend additional soil assessment. Based on the results of the groundwater sampling, ECS recommends resampling the existing on-site monitoring well in six months to see if the incident could be granted No Further Action.

The activities and evaluative approaches used in this assessment are consistent with those normally employed in UST assessments and remediation projects of this type. ECS' evaluation of site conditions has been based on our understanding of the project information and the data obtained during our field activities.



Approximate Scale 1 inch = 1,200 feet.  
 Contour Interval = 5 feet

**FIGURE 1: TOPOGRAPHIC MAP**

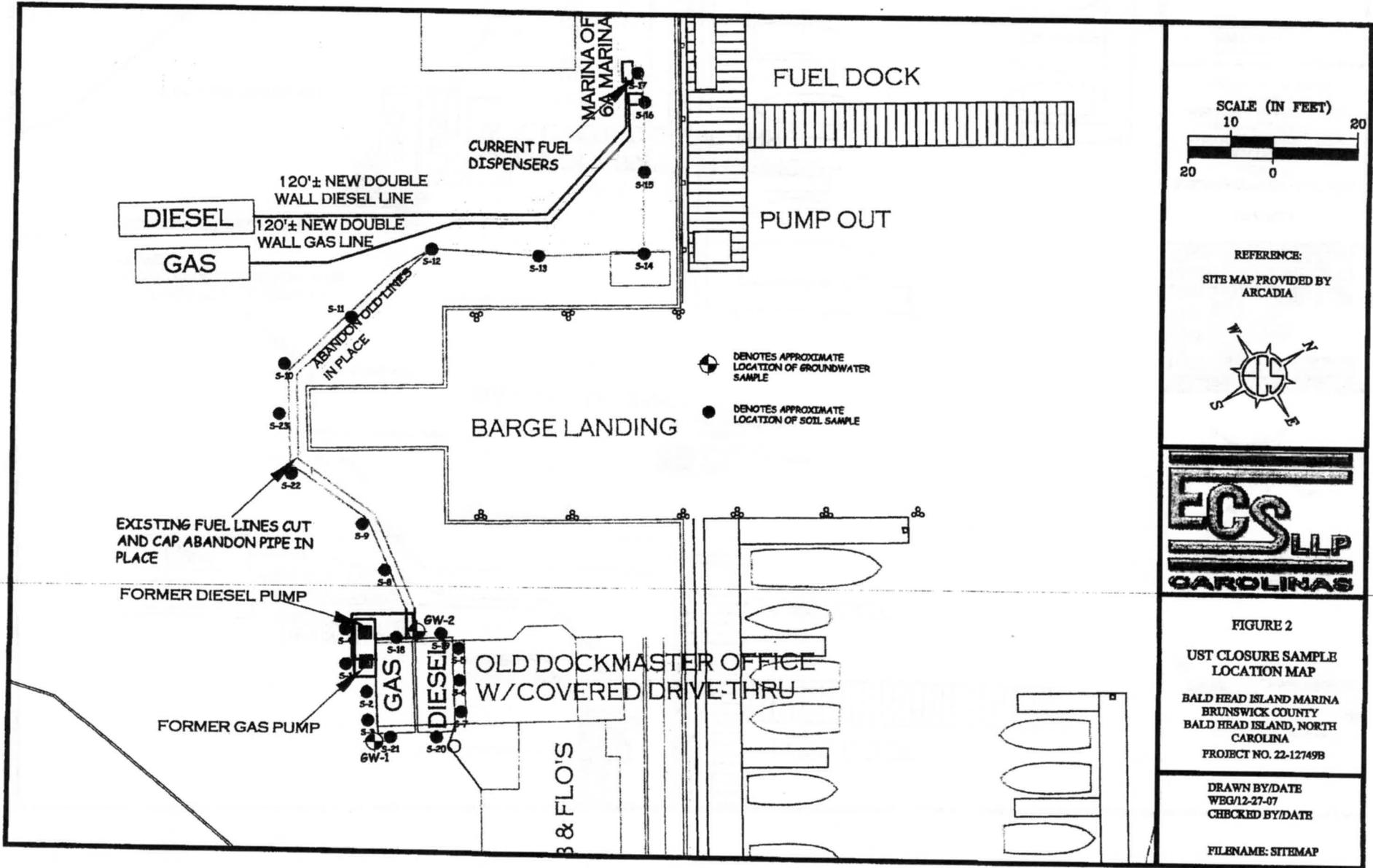
Source: USGS, Cape Fear, North Carolina Quadrangle 1970



UST Closure Report  
 Bald Head Island Marina  
 6A Marina Wynd  
 Bald Head Island, North Carolina



ECS Project No. 22-12749B  
 December 2007



**DIESEL**  
**GAS**

120'± NEW DOUBLE WALL DIESEL LINE  
 120'± NEW DOUBLE WALL GAS LINE

ABANDON OLD LINES IN PLACE

CURRENT FUEL DISPENSERS

BARGE LANDING

EXISTING FUEL LINES CUT AND CAP ABANDON PIPE IN PLACE

FORMER DIESEL PUMP

FORMER GAS PUMP

OLD DOCKMASTER OFFICE W/COVERED DRIVE-THRU

B & FLO'S

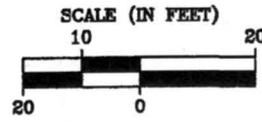
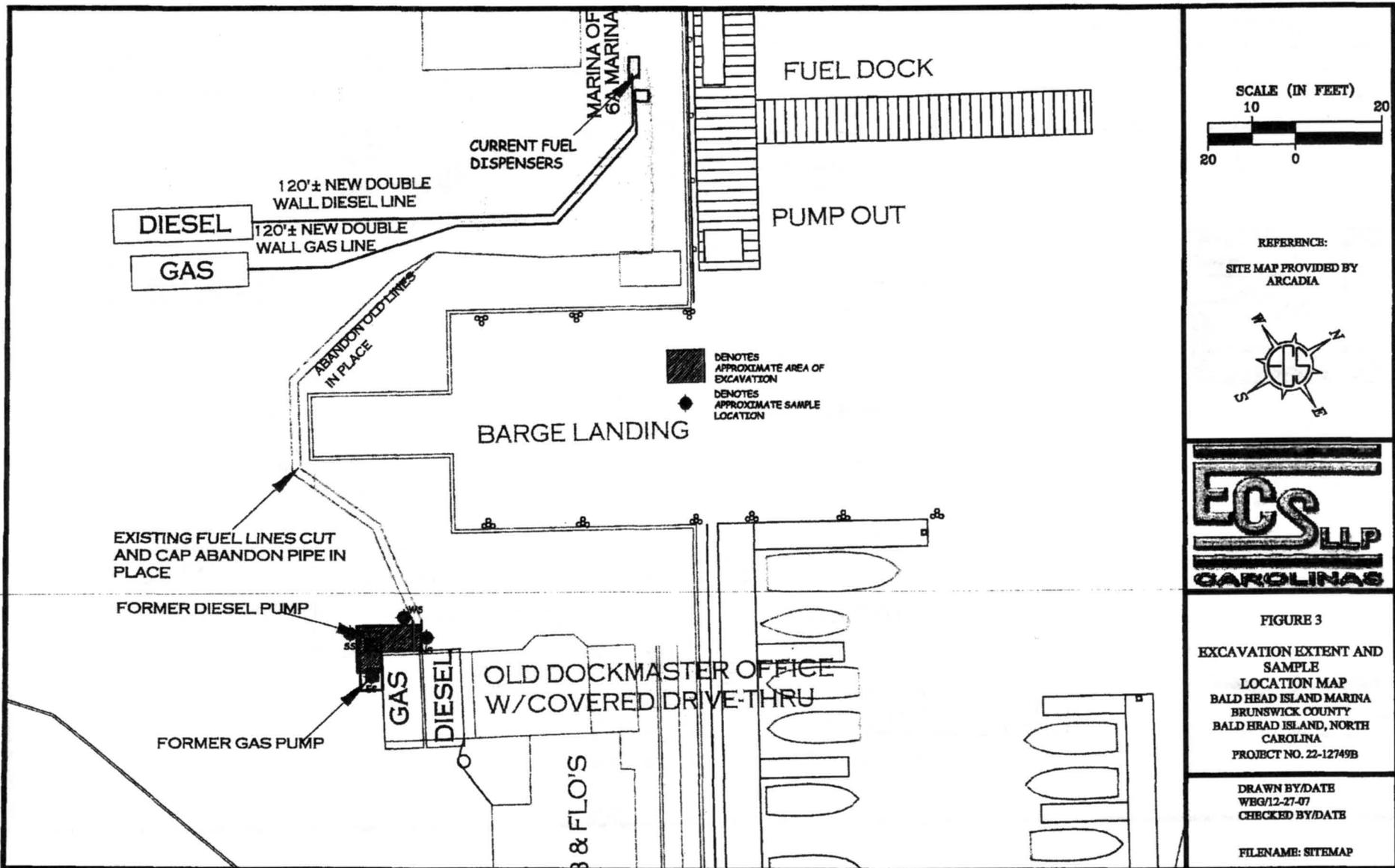
FUEL DOCK

PUMP OUT

MARINA OF GA  
MARINA

GAS  
DIESEL  
GW-1  
GW-2

S-17  
S-16  
S-15  
S-14  
S-13  
S-12  
S-11  
S-10  
S-9  
S-8  
S-7  
S-6  
S-5  
S-4  
S-3  
S-2  
S-1



REFERENCE:  
SITE MAP PROVIDED BY  
ARCADIA



FIGURE 3  
EXCAVATION EXTENT AND  
SAMPLE  
LOCATION MAP  
BALD HEAD ISLAND MARINA  
BRUNSWICK COUNTY  
BALD HEAD ISLAND, NORTH  
CAROLINA  
PROJECT NO. 22-12749B

DRAWN BY/DATE  
WBG/12-27-07  
CHECKED BY/DATE

FILENAME: SITEMAP

**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**BALD HEAD ISLAND MARINA**  
**ECS NO. 22-12749B**

Compound	Date	GW-1 (ug/l)	GW-2 (ug/l)	15A NCAC 2L Standard (ug/l)
<b>Benzene</b>	01/16/2007	<1.00	40.3	1
	06/12/2007	<1.00	9.26	
	12/10/2007	Not Sampled	1.28	
<b>Toluene</b>	01/16/2007	<1.00	4.75	1,000
	06/12/2007	<1.00	<1.00	
	12/10/2007	Not Sampled	<1.00	
<b>Ethylbenzene</b>	01/16/2007	<1.00	53.1	550
	06/12/2007	<1.00	6.44	
	12/10/2007	Not Sampled	<1.00	
<b>Xylenes</b>	01/16/2007	2.57	281	530
	06/12/2007	<4.00	<4.00	
	12/10/2007	Not Sampled	<4.00	
<b>MTBE</b>	01/16/2007	7.44	22.9	200
	06/12/2007	19.8	26.4	
	12/10/2007	Not Sampled	<2.00	
<b>EDB</b>	01/16/2007	<0.0192	<0.0190	0.0004
	06/12/2007	NA	NA	
	12/10/2007	Not Sampled	<1.00	
<b>Lead</b>	01/16/2007	8.45	6.22	15
	06/12/2007	NA	NA	
	12/10/2007	Not Sampled	NA	
<b>Bis (2-ethylhexyl) phthalate</b>	01/16/2007	20.2	<10.0	2.5
	06/12/2007	<10.0	<10.0	
	12/10/2007	Not Sampled		
<b>2,4-Dimethylphenol</b>	01/16/2007	<10.0	13.5	140
	06/12/2007	<10.0	<10.0	
	12/10/2007	Not Sampled		
<b>C9-C18 Aliphatics</b>	01/16/2007	<100	<100	4,200
	06/12/2007	NA	NS	
	12/10/2007	Not Sampled	NA	
<b>C9-C12 Aliphatics</b>	01/16/2007	<100	730	4,200
	06/12/2007	NA	NA	
	12/10/2007	Not Sampled	NA	
<b>C19-C36 Aliphatics</b>	01/16/2007	390	<100	42,000
	06/12/2007	NA	NA	
	12/10/2007	Not Sampled	NA	
<b>C9-C10 Aromatics</b>	01/16/2007	<100	<100	42,000
	06/12/2007	NA	NA	
<b>C11-C22 Aromatics</b>	01/16/2007	<100	<100	210
	06/12/2007	NA	NA	
	12/10/2007	Not Sampled	NA	
<b>C5-C8 Aliphatics</b>	01/16/2007	<100	<100	420
	06/12/2007	NA	NA	
	12/10/2007	Not Sampled	NA	

NA = Not Analyzed

**TABLE 1**  
**SUMMARY OF SOIL ANALYTICAL RESULTS**  
**BALD HEAD ISLAND MARINA**  
**ECS NO. 22-12749B**

Sample ID	Sample Location	Sample Date	PHI Reading	TPH-GRD	TPH-DRD	Acetone	2-Butanone No. Standard	Carbon disulfide	Naphthalene	Toluene	Xylene	Benzo[a]pyrene	Benzo[b]fluoranthene	Bis (2-ethylhexyl) phthalate	Chrysene	Dibutylphthalate	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C35 Aliphatics No. Standard	C6-C12 Aromatics
Soil-to-Water MSDC Reporting limit				10	10	2.6	Standard	4.3	0.58	1.3	5	0.001	1.2	5.5	38	No Standard	72	5,000	No Standard	84
S-1	Gas Tank	1/23/07	0.0	<6.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	Gas Tank / Pump	1/23/07	0.0	<3.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	Gas Tank	1/23/07	0.0	<5.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	Pump Island	01/23/07 01/30/07	2.3	<7.99	14.0	0.0229	<0.0233	<0.00467	<0.00467	<0.00467	<0.00467	<0.315	<0.315	<0.315	<0.315	<0.315	<10	<20	<10	<20
S-5	Diesel Tank	1/23/07	0.0	<7.25	<6.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	Diesel Tank	1/23/07	0.0	<5.15	<7.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	Diesel Tank	1/23/07	0.0	8.59	<6.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	Product Line	1/23/07	0.0	<5.58	<6.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	Product Line	1/23/07	0.0	<5.89	<6.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	Product Line	1/23/07	0.0	<4.96	<7.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-11	Product Line	1/23/07	0.0	<5.80	<6.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-12	Product Line	1/23/07	0.0	<4.35	<6.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-13	Product Line	1/23/07	0.0	<6.36	<6.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-14	Product Line	01/23/07 01/30/07	2.7	<5.40	14.3	0.0441	<0.0266	0.00863	0.00588	<0.00532	<0.00532	0.068	0.112	0.054	0.058	<0.339	<10	27	21	<20
S-15	Product Line	1/23/07	13.7	<5.68	17.9	<0.0384	<0.0192	<0.00384	<0.00384	0.00615	0.00392	<0.322	<0.322	<0.322	<0.322	<0.322	<10	<10	<10	<20
S-16	Diesel Dispenser	1/23/07	0.4	<5.20	55.0	<0.0407	<0.0203	<0.00407	<0.00407	<0.00407	<0.0122	<0.336	<0.336	<0.336	<0.336	<0.336	<10	<10	26	<20
S-17	Gas Dispenser	1/23/07	18.5	<5.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-18	Gas Tank	1/23/07	1.3	<5.78	12,100	0.0753	<0.0273	<0.00546	<0.00546	<0.00546	<0.01636	<0.355	<0.355	<0.355	<0.355	0.593	<10	6,700	<500	2,600
S-19	Diesel Tank	1/30/07	1.0	<5.79	27.4	0.0188	<0.0212	<0.00424	<0.00424	<0.00424	<0.00424	<0.325	<0.325	<0.325	<0.325	<0.325	<10	<20	<10	<20
S-20	Diesel Tank	1/23/07	0.0	<7.52	<6.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-21	Gas Tank	1/23/07	0.0	<6.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-22	Product Line	1/30/07	1.2	<5.48	<6.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-23	Product Line	01/23/07 01/30/07	2.2	<6.88	17.1	0.0255	0.00389	<0.00553	<0.00553	<0.00553	<0.00553	<0.322	<0.322	<0.322	<0.322	<0.322	<10	<20	<10	<20
NS	Excavation - North	2/6/07	0.0	NA	NA	0.00679	<0.0240	<0.00480	<0.00480	<0.00480	<0.00480	<0.318	<0.318	<0.318	<0.318	<0.318	<10	<20	<10	<20
ES	Excavation - East Side	2/6/07	0.0	NA	NA	0.0153	<0.0238	<0.00477	<0.00477	<0.00477	<0.00477	<0.338	<0.338	<0.338	<0.338	<0.338	<10	<20	<10	<20
SS	Excavation - South	2/6/07	0.0	NA	NA	<0.0564	<0.0282	<0.00564	<0.00564	<0.00564	<0.00564	<0.327	<0.327	<0.327	<0.327	<0.327	<10	19	70	<20
WS	Excavation - West Side	2/6/07	1/0/00	NA	NA	0.00579	<0.0215	<0.00430	<0.00430	<0.00430	<0.00430	<0.314	<0.314	<0.314	<0.314	<0.314	<10	29	17	<20

Concentrations are in mg/kg

Created by: SIW 02/22/07

Checked by: AKD 02/26/07

**Appendix I**

**Material Manifest (Residual Liquids and Sludges)**

**P & W OIL CO., INC. WASTE MATERIAL MANIFEST**

Generator's US EPA ID No.:		Page of 4	1482		
Generator's Name and Mailing Address Bald Head Island PO Box 3090 Southport NC 28461					
Generator's Phone:		US EPA ID No: NC986215242			
Transporter 1 Company Name P&W Waste Oil Services, Inc		US EPA ID No.:			
Transporter 2 Company Name:		US EPA ID No.:			
P & W OIL CO., INC. P.O. Box 300 Island, NC 28461 (919) 371-8762		US EPA ID No.:			
		NC8880215242			
US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	Circle Fugate Solid Sludge Liquid Gas	Container No.   Type	Total Quantity	Circle UICs Fugate Cu. Yds. Gallons Liters Fugate Cu. Yds. Gallons Liters	Waste No.
NON-HAZARDOUS WASTE		1   T/R	250	7777	
TIME IN _____		P & W EMERGENCY (919) 791-1724			
TIME OUT _____		N.C. ENVIRONMENTAL 1-800-662-7956			
		N.C. NATURAL RESOURCES (919) 395-6600			
Vehicle License Tag Number(s):		Profile #:			
Lot:		Invoice #:			
Analysis #:		Broker:			
Special Handling Instructions, Additional Information, and Discrepancy Indication:					
<p>GENERATOR'S CERTIFICATION: I hereby declare that the contents of this certificate are true and correctly described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.</p> <p>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and adopt the best waste management method that is available to me and that I can afford.</p>					
Printed/Typed Name: X BRUCE MAREK, P.E.		Signature: <i>Bruce Marek</i>		Date: 1-16-07	
Transporter 1: Acknowledgment of Receipt of Material Printed/Typed Name		Signature:		Date:	
Transporter 2: Acknowledgment of Receipt of Material Printed/Typed Name		Signature:		Date:	
X FRANK BALLARD		FRANK BALLARD		1-16-07	
F & W OIL CO., INC. CERTIFICATION OF RECEIPT Printed/Typed Name		Signature:		Date:	
X DEBBIE INSTON		DEBBIE INSTON		1-16-07	

Bruce Marek, P.E.  
P.O. Box 3069, Bald Head Island, NC 28461  
Ph: 910-457-7517 Fax: 910-457-7463  
bmarek@bhisland.com  
February 12, 2007

## Request for UST-71

The undersigned engineer has been retained by Bald Head Island Limited, LLC to implement the recent installation of new double-walled fiberglass fuel tanks at the Bald Head Island Marina. UST Facility ID # is 0-021446. In conjunction with the closure/abandonment in place of the old tanks (one 10,000 gallon diesel tank and one 10,000 gallon gasoline tank), one of the 20+ soil samples had a high diesel range organics number of 12100 mg/kg. This sample (S-18) was at a location near to a prior fuel dispenser island. The address of the old tank/old dispenser area is 8 Marina Wynd, Bald head Island, NC. This tank location is at the original dockmaster office. The Dockmaster Office has since moved into a small marina chandlery in the Administration Building at 6 Marina Wynd.

Upon jack hammering a 3'x7' hole through about 10" of concrete, the diesel contaminated sand was found directly under the old fuel dispenser location, in an L-shaped area as shown on the included drawing. The contaminated soil was removed down to the approximate high water level, and ECS took soil samples at the corners of the excavation. I am awaiting those results. Roughly 3'x7'x3' = 63 cu ft of the hole remained unfilled when we self filled the hole with the untainted sand from the excavation. An additional 5 cu ft of surface sand was removed from the new fuel dispenser area before we rebuilt the boardwalk. This area tested below state limits, but we wanted to make sure we weren't trapping any drippings from the change over from the old to new piping. As a conservative number, I am figuring on 3+/- cu yds of soil that has been removed.

The soil was originally placed in covered 32 gal trash cans/bins, and has been transferred to a plastic lined 10 yd steel dumpster. We request permission to transfer this material from the Bald Head Island Limited, LLC marina on Bald head Island to the Bald Head Island Limited, LLC Deep Point Marina facility in Southport, NC. Address of this site is 1301 Ferry Road. The site is 76+/- acres, of which 7 acres are marina. The proposed area to spread the soil is shown on the included drawing. At 3 cubic yards = 81 cu ft, a 1" thick layer of sand would require less than 1000 sf of spread area. With such a large site, we have no problems meeting the 9 specified buffer requirements of form UST-71. We have much, much more area available to do the spreading of the soil for land application. Mr. M. Kent Mitchell, CEO of Bald Head Island Limited, LLC has signed as responsible party.

Thanking you in advance for your quick response to this request. We appreciate the guidance you have provided on this ongoing tank closure procedure.

*Bruce Marek*  
Bruce Marek, P.E.  
NC P.E. #15684  
Signed/Sealed 2-12-07



Results for Total Petroleum Hydrocarbons  
by GC/FID 8015

Bald Head Island Marina  
Soil Sample S 18  
& Marina WYND

Client Sample ID: S-18  
Client Project ID: BHI  
Lab Sample ID: G161-2518-18  
Lab Project ID: G161-2518  
Report Basis: Dry Weight

Analyzed By: BWS  
Date Collected: 1/23/2007 16:20  
Date Received: 1/24/2007  
Matrix: Soil  
Solids 86.83

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	5.78	5035	1	01/25/07
Diesel Range Organics	12100	703	3541	100	01/26/07

Flags:

INSPECTION REPORT

Date: 6/5/07 RISK: U Inspector: D. Pearce  
 Site Name: Bald Head Island Marina Incident Number: 32384/0-021446  
 County: Brunswick UST Number: \_\_\_\_\_  
 Region: W.RO GPS Coordinates: N \_\_\_\_\_ W \_\_\_\_\_

Site Information Checklist

Facility Information:

Operating facility?  Yes No  
 Valid UST permit?  Yes No 12/2007  
 Number of tanks: Yes No Currently TWO Previously TWO  
 Site map/well map verified (if no, explain discrepancies in comments section)?  Yes No  
 Any visible spills/leaks (if yes, explain in comments section)? Yes  No  
 Any visible water supply wells? Yes  No If yes, distance to closest (ft.)? \_\_\_\_\_

Remediation System(s) Information:

	System 1		System 2		System 3	
System type?						
Fully installed?	<u>N/A</u>		Yes	No	Yes	No
Operating?	<u>N/A</u>		Yes	No	Yes	No
Free product present (verified)?	Yes	No	Yes	No	Yes	No

Was RP/consultant/other on site?  Yes No  
 Name of RP: Ben Traynham Company: Bald Head Island  
 Name of consultant: Bruce Marsh P.E. Company: \_\_\_\_\_  
 Name of Other: \_\_\_\_\_ Company: \_\_\_\_\_

Pictures Taken?  Yes No  
 Location of photos: \_\_\_\_\_

Time spent on site (hrs): \_\_\_\_\_

Comments: old UST ~~used~~ in-place filled with concrete. New structure built above old UST basin. Adjacent to old UST basin is original pu-p island

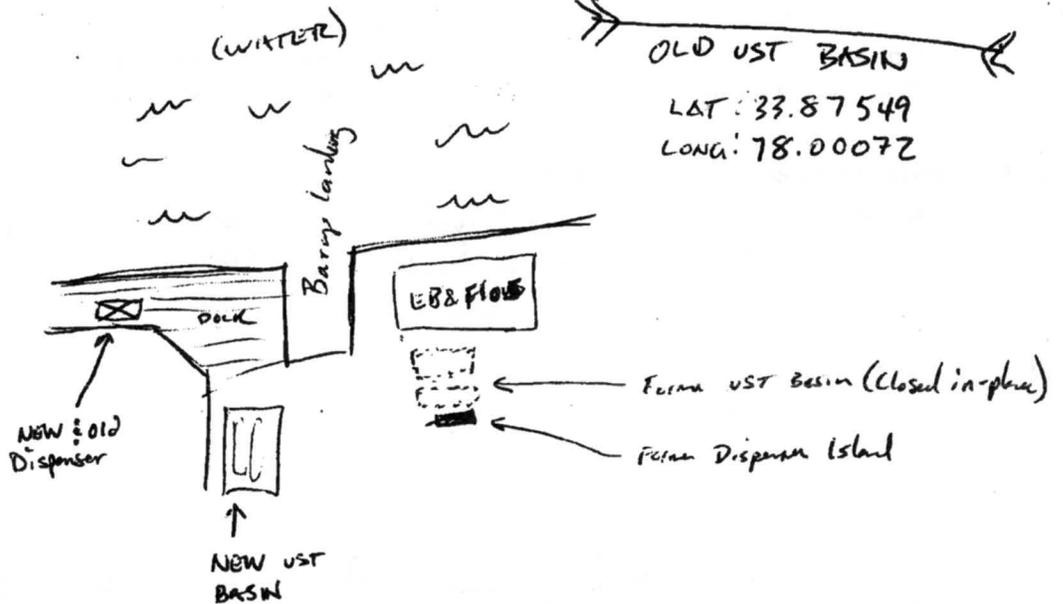
(over)

Comments (continued)

Drawings

OLD Dispenser last used ~1996

NEW UST BASIN  
LAT: 33.87543  
LONG: 78.00113



This inspection sheet is to be placed in corresponding incident file upon completion

**Subject:** UST Incident #32384

**From:** "Bruce Marek" <marekyd@ec.rr.com>

**Date:** Wed, 24 Oct 2007 16:40:59 -0400

**To:** <gene.jackson@ncmail.net>, <david.peacock@ncmail.net>

**CC:** "Jamillah Bailey" <jbailey@bhisland.com>, "Kent Mitchell" <KentM@bhisland.com>, "Jim Henry" <jhenry@bhisland.com>, "Bruce Marek-Island" <bmarek@bhisland.com>, "Marek Yacht & Design" <marekyd@ec.rr.com>

Mr. Jackson, Mr. Peacock,

I am responding to the NOV dated 10/23/07 and 9/12/07 received by Mr. Kent Mitchell of Boald Head Island Limited, LLC regarding the closure of the old marina fuel tanks (2) on the island. I am the professional engineer tasked with writing the closure report. Attached are 3 pdf's of the soil and groundwater testing at the old tanks and fuel lines that was done during the project. Note that the project also included installation of two new double wall fiberglass tanks with interstitial monitoring and new double wall piping.

During the time of finishing the installation of the new tanks and filling of the old tanks with a concrete slurry, I experienced some serious health problems including two heart attacks that I didn't know about, and thence flunking a treadmill test and catherization procedure. This resulted in quadruple bypass surgery in early April. The recovery now at 6 months out seems fine.

Mr. Mitchell has been very supportive of my recovery. (He and my wife have teamed up to limit my work hours, which was most likely one of the 3 causes of my "problems" along with family history and 40 years of diabetes). Thus with a several month recovery, plus a restricted work schedule, I have not yet finished all of the projects that were on my desk prior to my surgery. I hope to get to the closure report in the next week or two.

When David Peacock and John Hooks visited the island back in June, I guess I was too optimistic on when I would be ready with the closure report. We did have additional groundwater testing afterthey came, and the water is almost contaminat free. We were hoping for the yearly tropical storm/hurricane to help flush the sand/groundwater, but the drought has not helped. The old tanks are still permitted through the end of this year, along with the two new ones, so while it probably isn't technically correct, the old tanks are still under current permit but with no fuel or chance of fuel spill since they are filled with concrete.

At this point it might be worth doing one more set of groundwater samples prior to writing the closure report, hopefully to find that we do not have any reportable contaminats.

Yours truly,

Bruce Marek, P.E.  
5489 Eastwind Rd.  
Wilmington, NC 28403  
910-457-7515 or 910-228-2484 cell

**BHI Fuel Tanks ECS Letter report 6-25-07.pdf**

**Content-Type:** application/pdf

**Content-Encoding:** base64

**BHI Fuel Tank Soil and Water Final Tests 2-7-07 G161-2527.pdf**

**Content-Type:** application/pdf

**Content-Encoding:** base64



**ECS Carolinas, LLP**  
Geotechnical • Construction Materials • Environmental

June 25, 2007

Mr. Bruce Marek  
Bald Head Island Limited, LLC  
P.O. Box 3069  
Bald Head Island, North Carolina 28461

Reference: Summary of UST Closure Sampling Activities  
Bald Head Island Marina  
Bald Head Island, North Carolina  
ECS Project No. 22-12749A

Dear Mr. Marek:

As authorized by your acceptance of our Proposal No. 10154, dated May 23, 2007, ECS Carolinas, LLP (ECS) has completed the environmental sampling activities for the above referenced site.

#### **BACKGROUND**

ECS was requested to perform UST closure sampling for Mr. Bruce Marek with Bald Head Island Limited, LLC (BHIL) who will manage the UST closures and prepare all necessary notices, reports and documents as the professional engineer. The initial soil and groundwater sampling was performed in January 2007 as part of the closure activities for one 10,000-gallon diesel UST and one 10,000-gallon gasoline UST and was discussed in a letter submitted to BHIL, dated February 27, 2007. Impacted soil identified during the UST closure sampling was excavated and transported offsite for disposal. The initial groundwater samples were analyzed using EPA Method 601/602, EPA 625 plus 10 tics, EPA Method 504.1, EPA Method 3030C and MADEP Methods for VPH and EPH, according to the North Carolina Department of Environment and Natural Resources (NCDENR) UST Closure requirements. The results of the groundwater sampling identified concentrations of targeted petroleum compounds which exceeded the NCAC 2L groundwater standard (bis(2-ethylhexyl)phthalate monitoring well GW-1 and a benzene in monitoring well GW-2). Based on the results of the sampling event, a release had occurred from the UST system.

In May 2007, Mr. Marek requested ECS re-sample the onsite groundwater monitoring wells to determine if the site incident could be granted "no further action" status without requiring a deed restriction. The following letter summarizes these activities.

#### **FIELD WORK**

On June 12, 2007 ECS mobilized to the site to collect one groundwater sample from each of the two existing onsite groundwater monitoring wells, as shown on the attached figure. The depth to the static water level was measured in the wells prior to sampling activities. The depth to water from the top of casing (TOC) in well GW-1 was measured at 3.30 feet and was measured at 3.32 feet in well GW-2. After gauging, the wells were purged using dedicated disposable plastic bailers for each well. The purging consisted of removing approximately three well volumes of water. Field parameters for pH, temperature and conductivity were measured after each well volume. The pH measurements ranged from approximately 6.7 standard units (su) in well GW-2 to approximately 6.9 su in well GW-1. The temperature measurements ranged from 20.7° Celsius to 21.6° Celsius. The conductivity ranged from approximately 0.6 milliSiemens/cm (mS/cm) in well GW-1 to approximately 1 mS/cm in well GW-2.

The groundwater samples were collected using dedicated monofilament and a disposable plastic bailer for each well. The samples were placed in laboratory-prepared containers using a new pair of disposable nitrile gloves. The sample containers were labeled with the project name, sample location and the date and time that the samples were collected, placed in a cooler containing ice (4°C), and delivered to SGS - Paradigm Analytical Laboratories, Inc. in Wilmington, North Carolina under standard chain-of-custody protocol. The groundwater samples were analyzed using EPA Method 602 for volatile organic compounds and EPA 625 for semi-volatile organic compounds. These analyses were determined based on the previous sampling event as part of the initial UST Closure. The results of the groundwater sampling did not identify semi-volatile organic compounds in either sample. An MTBE concentration was identified in sample GW-1 and a benzene, ethylbenzene and MTBE concentration were identified in GW-2. Of the compounds identified, only the benzene concentration exceeded the NCAC 2L groundwater standard. The following table summarizes the current and historical results.

Compound	Date	GW-1 (ug/l)	GW-2 (ug/l)	15A NCAC 2L Standard (ug/l)
Benzene	01/16/07	<1.00	40.3	1
	06/12/07	<1.00	9.26	
Toluene	01/16/07	<1.00	4.75	1,000
	06/12/07	<1.00	<1.00	
Ethylbenzene	01/16/07	<1.00	53.1	550
	06/12/07	<1.00	6.44	
Xylenes	01/16/07	2.57	281	530
	06/12/07	<4.00	<4.00	
MTBE	01/16/07	7.44	22.9	200
	06/12/07	19.8	26.4	
EDB	01/16/07	<0.0192	<0.0190	.0004
	06/12/07	NA	NA	
Lead	01/16/07	8.45	6.22	15
	06/12/07	NA	NA	
Bis (2-ethylhexyl) phthalate	01/16/07	20.2	<10.0	2.5
	06/12/07	<10.0	<10.0	
2,4-Dimethylphenol	01/16/07	<10.0	13.5	140
	06/12/07	<10.0	<10.0	
C9-C18 Aliphatics	01/16/07	<100	<100	4,200
	06/12/07	NA	NS	
C9-C12 Aliphatics	01/16/07	<100	730	42,000
	06/12/07	NA	NA	
C19-C36 Aliphatics	01/16/07	390	<100	42,000
	06/12/07	NA	NA	
C9-C10 Aromatics	01/16/07	<100	<100	210
	06/12/07	NA	NA	
C11-C22 Aromatics	01/16/07	<100	<100	210
	06/12/07	NA	NA	
C5-C8 Aliphatics	01/16/07	<100	<100	420
	06/12/07	NA	NA	

NA = Not Analyzed

*Summary of UST Closure Sampling Activities  
Bald Head Island Marina  
Bald Head Island, North Carolina  
ECS Project No. 22-12749A*

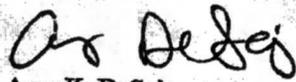
*June 25, 2007*

Based on the results of the groundwater sampling, the concentrations appear to be decreasing, which is expected considering the impacted soil identified as part of the UST closure in January 2007 was excavated. Therefore, ECS recommends continued semi-annual monitoring to track the concentration reduction.

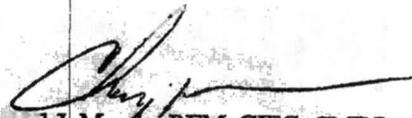
We are pleased to have the opportunity to offer our services. If you have any questions or comments concerning the contents of the enclosed documents or other related topics, please contact us at (910) 686-9114.

Sincerely,

**ECS CAROLINAS, LLP**

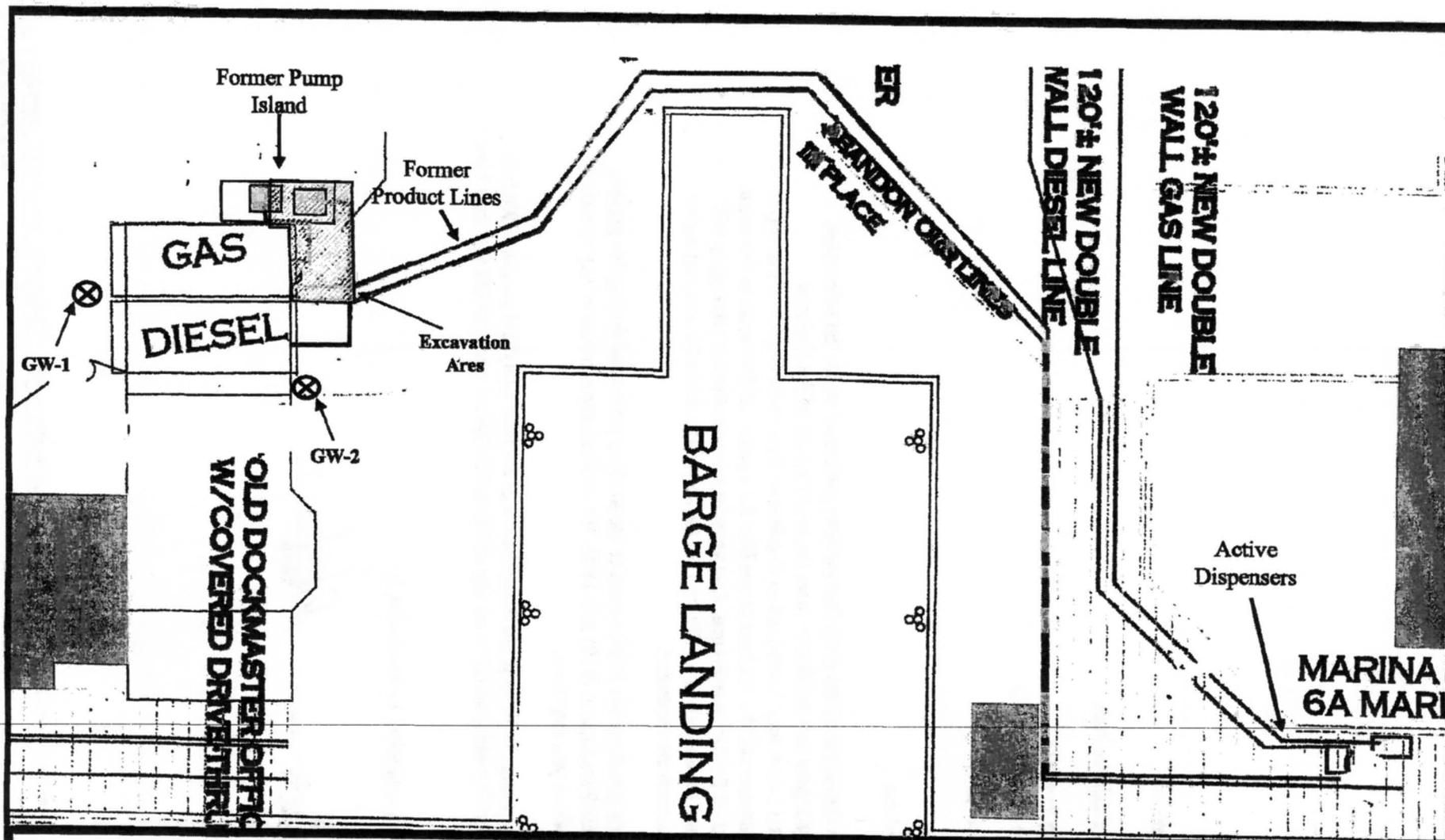


Amy K. DeSaix  
Project Scientist



Cheryl J. Moody, REM, CIEC, CMRS  
Principal Scientist

Attachments: Sample Location Map  
Laboratory Data



SCALE: Not to Scale.

**SAMPLE LOCATION MAP**

Source: Bald Head Island Site Map

⊗ = Groundwater Sample Location



Summary of UST Closure Sampling  
Activities  
Bald Head Island Marina  
Bald Head Island, North Carolina



ECS Project No. 22-12749A  
June 2007



Ms. Amy DeSaix  
ECS  
7211 Ogden Business Park  
Suite 201  
Wilmington NC 28411  
Report Number: G161-2577  
Client Project: BHI

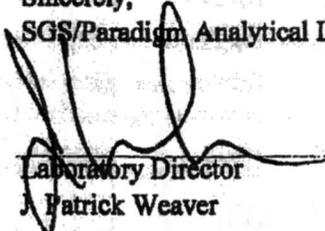
Dear Ms. DeSaix:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,  
SGS/Paradigm Analytical Laboratories, Inc.

  
\_\_\_\_\_  
Laboratory Director  
J. Patrick Weaver

6/18/2007  
\_\_\_\_\_  
Date

File Review

**MEMO TO FILE:**

**FROM:** Liz Price, Hydrogeologist  
UST Section, Wilmington Regional Office

**SUBJECT:** Site Closure & NFA

Incident Name Bald Head Island Waste Oil Site

WI Number WI - 88292

Incident Number if Assigned 5851

This file was reviewed for archiving on 11/15/2012, and it was determined that a NFA letter should have been issued to the RP on 2/21/1991 but for some reason was not. Therefore, the date entered above is the official closure date. No additional assessment or site work is required unless new information is made available to our office that indicates further investigation would be warranted.

FILE CODE: BALD HEAD  
ISLAND WASTE OIL SITE  
XBR CA CO DU NH ON PE



LAW ENVIRONMENTAL, INC.

1410 COMMONWEALTH DRIVE  
SUITE 110  
WILMINGTON, NORTH CAROLINA 28403  
919-256-2007  
PANAFAX 919-256-2408

February 21, 1991

Bald Head Island Management, Inc.  
P. O. Drawer 10999  
Southport, North Carolina 28461

Attention: Ms. Michelle Harris

Subject: Monitoring Well Sampling and Analysis Results  
Lighthouse Landing Site  
Bald Head Island, NC  
Law Environmental Job No. 59-1514

Dear Ms. Harris:

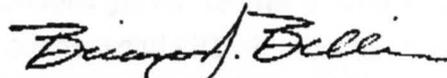
Law Environmental is pleased to submit this report of ground-water sampling and analysis in reference to the Lighthouse Landing site on Bald Head Island, North Carolina. This work was conducted in accordance with the scope of work outlined in our Proposal No. 59-1013 dated January 18, 1991. This report presents the laboratory data and a brief discussion of the data.

If you have any questions about the content of this report, please contact us.

Very truly yours,

LAW ENVIRONMENTAL, INC.

  
J. Chris Pruneau, P.G.  
Senior Hydrogeologist

  
Brian J. Bellis, P.G.  
Principal Hydrogeologist

JCP/BJB/dw  
Enclosure



## **1.0 METHODS**

On January 29, 1991, a representative of Law Environmental, Inc., sampled one ground-water monitoring well at the Lighthouse Landing site on Bald Head Island, North Carolina. Four ground-water samples were collected subsequent to purging approximately six well volumes of water from the well. A precleaned disposable bailer was utilized to purge and to sample ground-water from the well. The first sample was filtered through 0.45 micron membrane filter in the field prior to acidification. The second sample was acidified without filtration.

Upon completion of the sampling event, the collected ground-water samples were then submitted to Oxford Laboratories in Wilmington, North Carolina and analyzed for total suspended solids and for cadmium, lead, and selenium. Copies of the laboratory results and chain of custody are attached to this report.

## **2.0 RESULTS**

According to the reported laboratory analyses, the total concentrations of cadmium, lead and selenium in both the filtered and unfiltered samples were below detectable limits. North Carolina Department of Environment, Health and Natural Resources standards for maximum allowable concentrations in milligrams per liter (ppm) for cadmium is 0.005, for lead 0.005, and for selenium 0.01. The amount of total suspended solids (TSS) in the filtered sample analyzed was 6 ppm. The TSS reported for the unfiltered sample was 67 ppm.

The results of the filtered and unfiltered analyses were intended to be used to address attraction properties between the metal compounds of interest and suspended particulates in water. It is believed that metal ions are liberated from particulates upon acidification resulting in false positives during chemical analysis. The laboratory report indicated that there was a reduction in TSS between the filtered samples and unfiltered samples, however, concentrations of cadmium, lead and selenium were not detected in either sample and consequently were not affected by the difference in total suspended solids.



**Bald Head Island Management, Inc.**

**February 21, 1991 Page 2**

### **3.0 CONCLUSION**

According to the laboratory results, concentrations for cadmium, lead and selenium were below the maximum allowable limits set forth by the North Carolina Administrative Code Title 15 Subchapter 2L.

**LABORATORY RESULTS  
AND  
CHAIN OF CUSTODY**

Oxford Laboratories, Inc.

Analytical and Consulting Chemists

DATE RECEIVED 01-29-91  
DATE REPORTED 02-06-91  
91W7518

1316 South Fifth Street  
Wilmington, N.C. 28401  
(910) 763-9793

PAGE 1 OF 1

LAW ENVIRONMENTAL INC.  
1410 COMMONWEALTH DR. SUITE 110  
WILMINGTON, NC 28405

P.O. # BALD HEAD

ATTENTION: HOLLY SPIRES

RECEIVED  
FEB 08 91  
LAW ENVIRONMENTAL  
WILMINGTON, NC

SAMPLE DESCRIPTION: BALD HEAD ISLAND SAMPLES

1. MW-1 FILTERED 01-29-91
2. MW-1 UNFILTERED 01-29-91

RESULTS

	<u>1</u>	<u>2</u>
Cadmium, as Cd, PPM	<.002	<.002
Lead, as Pb, PPM	<.003	<.003
Selenium, as Se, PPM	<.005	<.005
Total Suspended Solids, PPM	6	67

*Roger Oxford*  
ROGER C. OXFORD, CHEMIST

Oxford Laboratory

Analytical and Consulting Chemists

1316 South Fifth Street  
Wilmington, N.C. 28401  
(919) 763-9793

CHAIN OF CUSTODY RECORD

O.L. NO. 91W7518 DATE RECEIVED 1-29-91  
 CUSTOMER Law Environmental (Bald Head Island)  
 ADDRESS 1410 Commonwealth Dr Suite 110  
 CUSTODIAN Holly Spire  
 STORAGE \_\_\_\_\_ SPECIAL CONDITIONS \_\_\_\_\_

SIGNED OUT		SIGNED TO		PURPOSE	SIGN IN	
Date/Custodian	Sign./Time/				Time / By /	To
1-29-91	500ml	10:50	#1	filtered Cadmium, Lead, Selenium		
1-29-91	500ml	10:50	#1	filtered TSS		
1-29-91	500ml	10:50	#2	nonfiltered Cadmium, Lead, Selenium		
1-29-91	500ml	10:50	#2	nonfiltered TSS		

*Holly Spire*

*Linda Street 1-29-91*

CERTIFIED:

Roger C. Oxford, Jr.  
Chemist



**Westinghouse Environmental  
and Geotechnical Services, Inc.**

7650 Market Street  
Wilmington, North Carolina 28405  
(919) 686-7474  
Fax (919) 686-0013

October 2, 1990

**RECEIVED**

OCT 2 1990

GROUNDWATER SECTION  
WILMINGTON REGIONAL OFFICE

North Carolina Department of Natural  
Resources and Community Development  
7225 Wrightsville Avenue  
Wilmington, North Carolina 28403

Attention: Mr. Rick Shiver  
Regional Hydrologist

Reference: Lighthouse Landing Site  
Bald Head Island, North Carolina  
W-WIL Job No. 1054-90-245

Dear Mr. Shiver:

Our clients have asked me to forward to you a copy of our assessment of the Lighthouse Landing Site on Bald Head Island.

I would like to thank you for your time on Friday, September 21, 1990.

If you have any questions, please do not hesitate to contact us at your convenience.

Very truly yours,

WESTINGHOUSE ENVIRONMENTAL  
AND GEOTECHNICAL SERVICES, INC.

Thurston E. Rowe, Jr.  
Environmental Consultant

TERjr/jns

Attachments

**RECEIVED**

OCT 2 1990

GROUNDWATER SECTION  
WILMINGTON REGIONAL OFFICE

PHASE II ENVIRONMENTAL ASSESSMENT  
LIGHTHOUSE LANDING SITE  
BALD HEAD ISLAND, NORTH CAROLINA  
W-WIL JOB NO. 1054-90-245





Westinghouse Environmental  
and Geotechnical Services, Inc.

September 26, 1990

7650 Market Street  
Wilmington, North Carolina 28405  
(919) 686-7474  
Fax (919) 686-0013

Bald Head Island Management, Inc.  
Post Office Drawer 10999  
Southport, North Carolina 28461

Attention: Ms. Michelle Harris

Reference: Phase II Environmental Assessment  
Lighthouse Landing Site  
Bald Head Island, North Carolina  
W-WIL Job No. 1054-90-245

Dear Ms. Harris:

Westinghouse Environmental and Geotechnical Services, Inc. is pleased to submit our Phase II Environmental Assessment of the Lighthouse Landing site on Bald Head Island, North Carolina (see Figure 1). This report describes the field activities and presents our findings.

This report, to the best of our knowledge, presents an accurate assessment of existing and past environmental conditions at the site based on available information and site conditions at the time of our inspection, and is for the use of the client only. Should conditions at the site change or differ from the conditions detailed in this report, we recommend that Westinghouse be contacted so that the changed conditions can be properly reviewed, and our report amended accordingly. We hope that this report is useful and responsive to your needs. Should you have any questions or require additional information, please do not hesitate to contact us at your convenience.

#### 1.1 Site Background

On June 29, 1990, a Westinghouse representative collected soil samples in the area of the site which had previously been used as a maintenance and storage area. These samples were taken at the request of J.D. Beam, who is presently developing the site into a residential area. A soil sample from a spill area was also taken and subsequently tested for heavy oils and grease in accordance with EPA Method 3550. The laboratory test results showed heavy oil in the spill area at a concentration of 35,500 parts per million (ppm). Soil samples were also collected in the battery storage area and tested for lead in accordance with EPA Method 239.1. The laboratory results showed lead concentrations of 10.3 ppm. As a result, Bald Head Island Management, Inc. retained Westinghouse to conduct a Phase II Environmental Assessment.

### 1.2 Scope of Work

The objective of the subsurface investigation conducted by Westinghouse at the Lighthouse Landing Site was to determine the hydrogeological conditions and the extent of heavy oil and lead contamination, if any, in the groundwater and soils. The following field tasks were conducted:

- Excavation of hand augered borings and analysis of the recovered soil samples with an Organic Vapor Analyzer (OVA) to detect organic vapors from petroleum products which had been previously detected at the site.
- Installation of two groundwater monitoring wells to provide groundwater monitoring points.
- Collection of soil and groundwater samples for laboratory analysis in order to determine pH and concentrations of extractable lead, RCRA metals, and halogenated hydrocarbons.

### 2.1 Soil Sampling

On August 28, 1990, Westinghouse personnel excavated 10 soil borings using a closed face hand auger. Soil samples were obtained in the battery storage area, the wooded area, and the area where backfill will be obtained, as shown in Figure 2. All field equipment was cleaned in the field to prevent cross contamination between the soil borings.

The battery storage area had been backfilled with one to three feet of sand. The test borings extended through this material to reach the original ground elevation. Seven soil samples were collected from five borings and placed in 40 milliliter (ml) glass vials without headspace, then chilled and transported to Law & Company analytical laboratory using standard chain of custody procedures. The samples were analyzed for pH and Lead (leachable) in accordance with EPA Method 9045 and EPA Method 7420, respectively.

On August 6, 1990, a Westinghouse representative collected one soil sample from a spill area which had plan dimensions of approximately 10 feet by 15 feet. The sample was placed in a 40 ml glass vial without headspace, then chilled and transported to Law & Company analytical laboratory using standard chain of custody procedures. The sample was analyzed for metals in accordance with SW-846 (EP Toxicity).



## 2.2 Laboratory Results

The seven soil samples obtained from the five borings at the Lighthouse Landing site and submitted for laboratory pH testing and leachable lead testing exhibited pH values ranging from 6.9 to 8.2, and leachable lead levels less than or equal to 0.10 ppm, as shown in Table 1. These levels are below the North Carolina Department of Environmental Management (NCDEM) action levels. These pH values show no levels that would be associated with battery acid spills.

The laboratory test results of the soil sample obtained in the oil spill area showed only trace amounts of metals, with the exception of selenium, which was detected at a concentration of 0.128 ppm. These concentrations are well below the North Carolina Guidelines for Soil Contaminated by Petroleum. The laboratory test results for the leachable metals are presented in Table 2.

## 2.3 Soil Sampling - Organic Vapor Analysis (OVA)

On August 6, 1990, a Westinghouse representative collected 16 soil samples from four locations (A, B, C and D) with a closed head hand auger. Each sample was logged and placed in a resealable plastic bag. After 15 minutes, the sample headspace was scanned with an OVA meter. The soil samples obtained from a depth of 2 to 9 feet exhibited no levels of petroleum vapors in the area of study. These OVA readings are presented in Table 3.

## 3.1 Monitoring Well Installation

On August 28, 1990, a Carolina Drilling crew and Westinghouse representative installed two monitoring wells at the locations shown in Figure 2. The well boreholes were advanced with a CME-45C trailer-mounted drill rig using 4.25-inch diameter hollow stem augers. Soil samples were obtained at 5-foot intervals using a split spoon sampler in accordance with ASTM D-1586 procedures.

Each monitoring well was constructed using 2-inch diameter, flush-threaded, Schedule 40 PVC pipe and a 2-inch diameter PVC screen with 0.010-inch slot openings, in accordance with state well construction standards. Ten-foot long screens were installed at depths of 10 to 15 feet. Clean sand was placed as a filter pack around the screen, a bentonite seal was placed above each sand pack, and near cement grout was poured into the remaining annular space. Prior to each well the hollow stem augers and split spoon sampler were steam cleaned.



The two wells are protected above grade within metal protective covers. The wells were developed by bailing to remove silt and improve their hydraulic connection with the aquifer. The details of the well construction and the Well Construction Records are presented in Appendix A.

### 3.3 Groundwater Sampling

Groundwater samples were collected from the two monitoring wells on September 6, 1990. Prior to sampling, our personnel purged each well by removing at least three well volumes of water utilizing a decontaminated teflon bailer. The samples were placed in 100 ml glass vials without headspace, then chilled and transported to Law & Company's analytical laboratory using standard chain of custody procedures. The samples were analyzed for EP Toxicity leachable metals by EPA Method SW-846 and halogenated hydrocarbons by EPA Methods 8240 and 8270.

### 3.4 Laboratory Results - Groundwater

The groundwater samples submitted for laboratory testing of EP Toxicity metals revealed cadmium levels of 0.01 ppm. This concentration is above the North Carolina Groundwater Standards (15 NCAC 2L). The following metals were below the North Carolina Groundwater Standards: arsenic, barium, chromium, lead, mercury, selenium and silver. The analytical laboratory EP Toxicity test results for the groundwater samples obtained at the Lighthouse Landing site are presented in Table 2.

### 4.1 Site Hydrology

The site is situated on Bald Head Creek and the existing ground surface ranges from approximately +16 Mean Sea Level to sea level. From the ground surface to the completed boring depth of 15 feet, the in-place soils consist of a gray fine to medium sand.

The depth to groundwater is approximately 10 feet below the existing ground surface. The groundwater appears to flow to the west-northwest, towards Bald Head Creek.



Bald Head Island Management, Inc.  
September 26, 1990  
Page Five

Summary

Westinghouse Environmental and Geotechnical Services, Inc. personnel conducted a Phase II Environmental Assessment at the Lighthouse Landing site on Bald Head Island, North Carolina. This assessment included soil and groundwater sampling.

Seven soil samples were obtained from five boreholes at this site and analyzed for pH by EPA Method 9045 and leachable lead by EPA Method 7420. All of the pH values and the leachable lead concentrations were within NCDEM guidelines.

Four soil borings were excavated to a depth of 9 feet below the existing ground surface. A total of 16 of the recovered soil samples were tested using an Organic Vapor Analyzer. None of these soil samples exhibited petroleum product vapors which exceeded NCDEM guidelines.

A soil sample obtained from the spill area was subjected to EP Toxicity testing. The results of this testing show that none of the metal concentrations, except selenium, exceed the NCDEM guidelines. The concentration of selenium was 0.128 ppm, which is above the action level of the NCDEM.

Groundwater samples were obtained from two monitoring wells on site. These samples were tested for leachable metals by the EP SW 846 and for halogenated hydrocarbons by EPA Method 8240 and EPA Method 8270, respectively.

Cadmium was found in the EP Toxicity sample at concentrations which exceed the North Carolina Groundwater Standards (15AL 2L). Laboratory results were 0.01 ppm with the state standard being 0.005 ppm. Additional monitoring should be initiated.

Laboratory analysis of the two groundwater samples for halogenated hydrocarbon by EPA Methods 8240 and 8270 detected no halogenated hydrocarbons above the quantitative limits of one ppm.

Upon NCDEM approval, the contaminated soil in the two spill areas should be excavated and contained. We estimate that approximately 7 cubic yards of soil have been contaminated. Possible remediation procedures include the following:



Composting. Treatment of the soils using a composting approach would be very effective. Since this method would require a relatively small land area, it is possible that treatment could take place on a liner, which would not require obtaining a Non-Discharge permit. However, at the completion of treatment, it is currently the practice of NCDEM to require a Non-Discharge Permit before the treated soil is finally disposed of as fill material or surface top-dressing.

Since composting requires specialized equipment and considerable labor to process and aerate the soil and construct the treatment system, the costs for treatment are somewhat higher than for land treatment, which generally range from \$50.00 to \$65.00 per cubic yard. This does not include final disposition of the treated soil.

Disposal by Asphalt Manufacturer. At this point, we have no definite information that there are asphalt manufacturers in the Wilmington area that are permitted by NCDEM to receive soils contaminated with petroleum products. We have talked to NCDEM personnel in the Wilmington Regional Office to see if they know of such facilities, but we have not received an answer. There is an asphalt facility in New Bern that accepts petroleum contaminated soils at a cost which ranges from \$50.00 to \$75.00 per ton.

Thermal Treatment. Several environmental contractors (Nobel Oil Company, Four Seasons, Laidlaw, etc.) are reportedly purchasing mobile thermal treatment systems that will drive the hydrocarbons into the vapor phase by heating. The vapors are then treated by condensation or vapor incineration. Throughput for this equipment is reported to be approximately 10 tons per hour. We are not aware that anyone has this service available for current application. Jim Nobel has indicated anticipated treatment costs of \$25.00 per ton, but we expect that actual costs will be considerably higher.

Westinghouse appreciates having the opportunity to be of service to you during this phase of the project. If you have any questions or comments after reviewing this report, or if we can be of additional service to you, please do not hesitate to contact us at your convenience.

Very truly yours,

WESTINGHOUSE ENVIRONMENTAL  
AND GEOTECHNICAL SERVICES, INC.

Thurston E. Rowe, Jr.  
Environmental Consultant

*David L. Goodrich*  
David L. Goodrich  
Senior Hydrologist

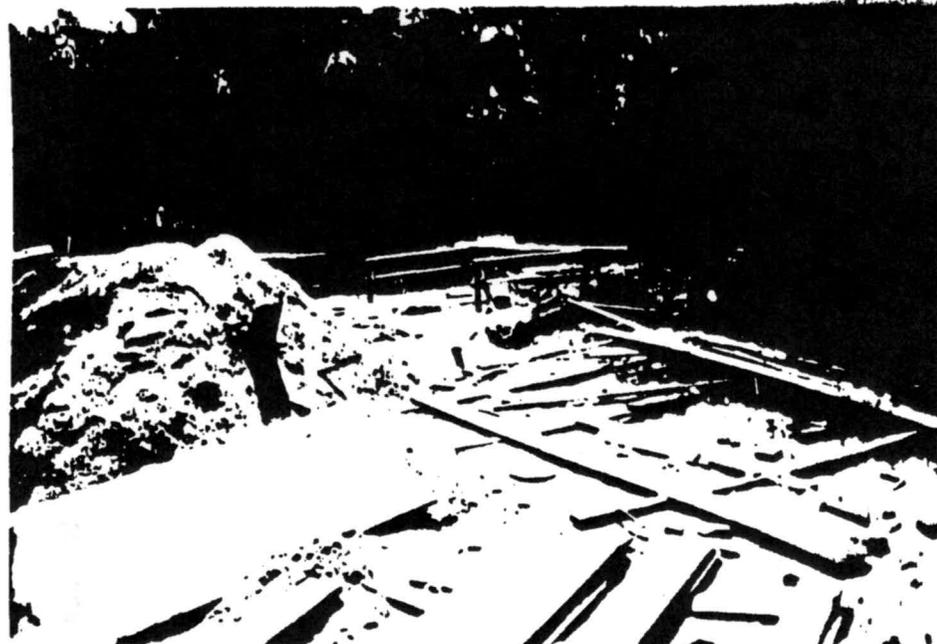
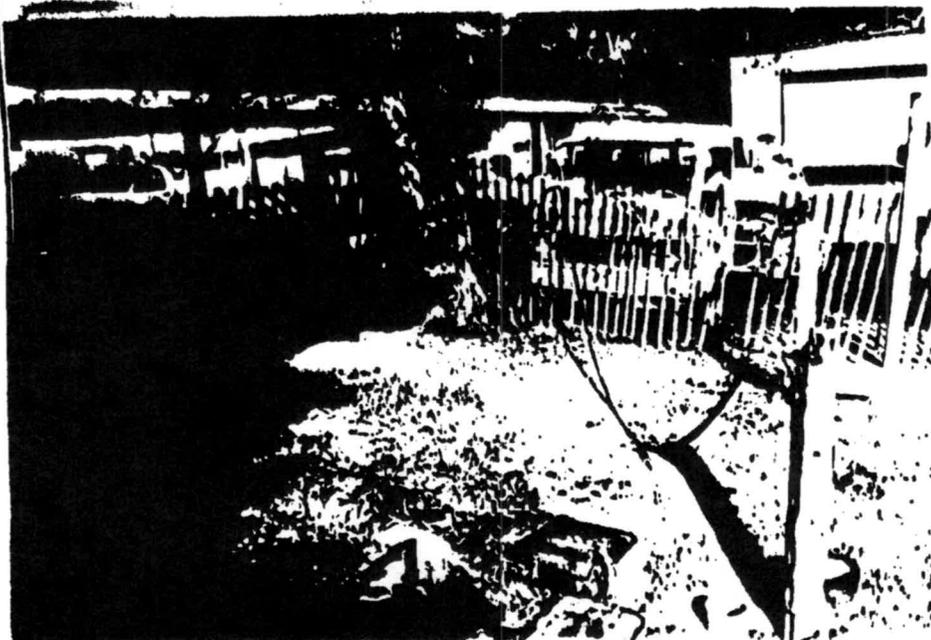


APPENDIX

DATE:

ASSIGNMENT:

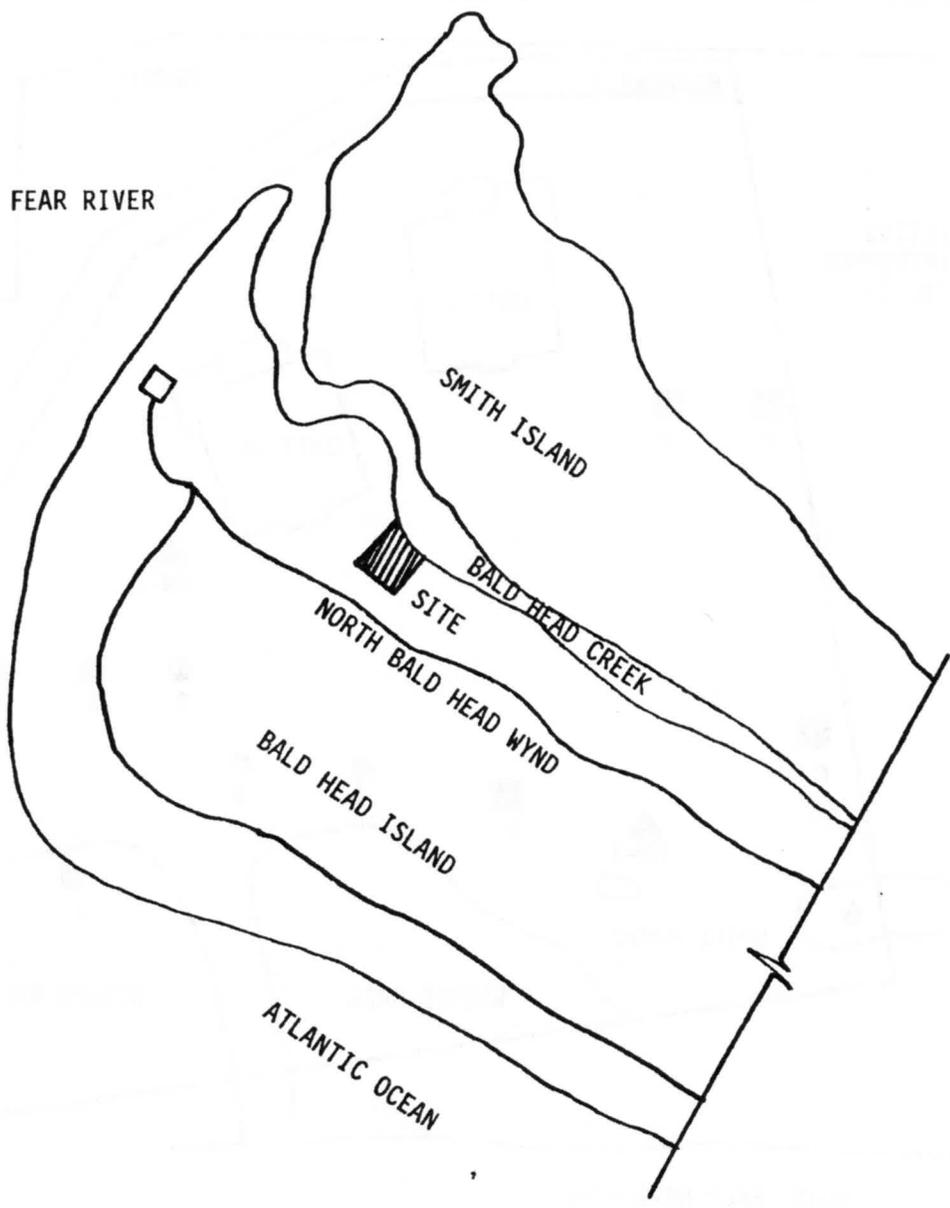
FILE NO:





CAPE FEAR RIVER

CHANDLER BUILDING

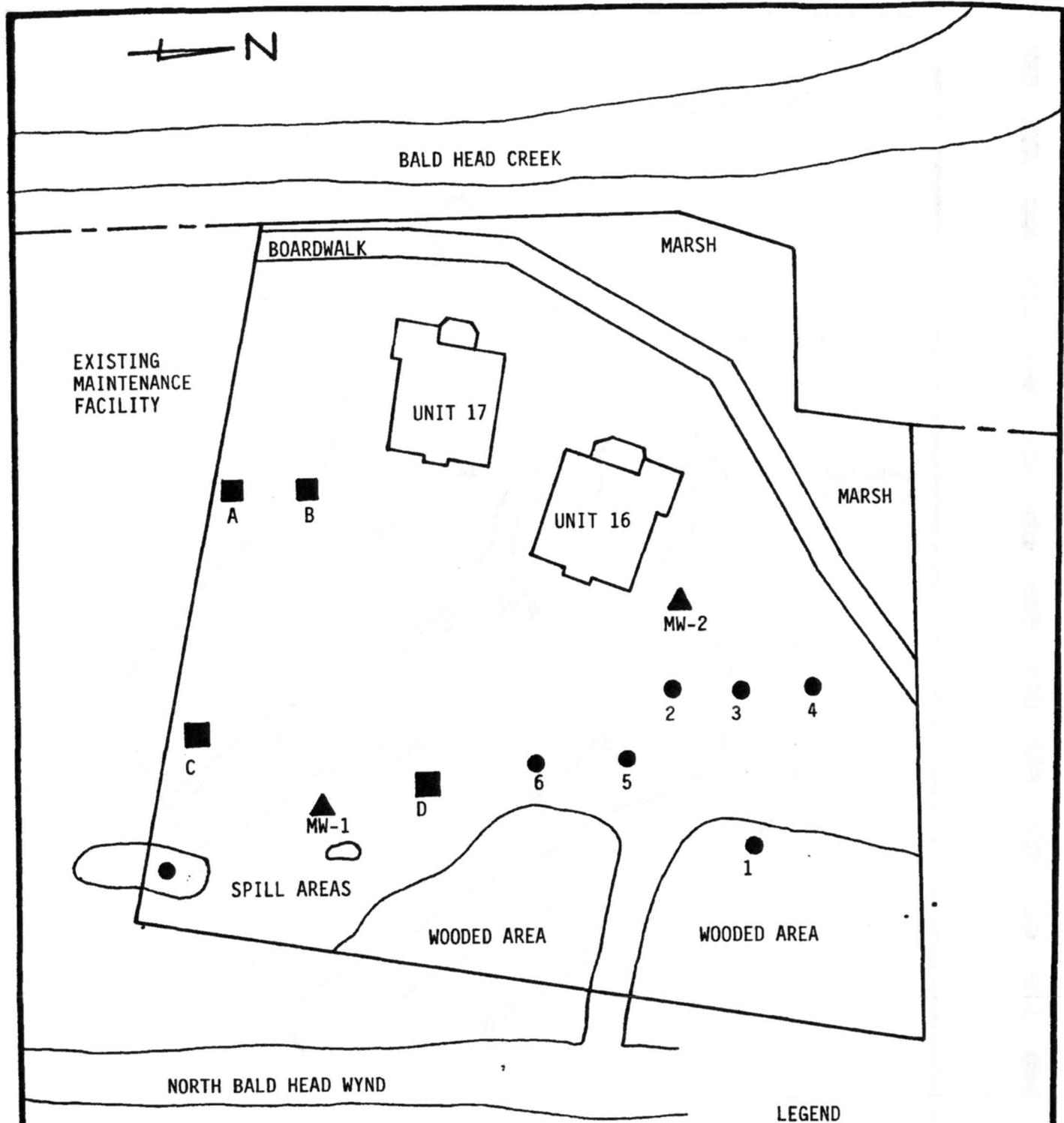


**PROJECT**  
LIGHTHOUSE LANDING SITE  
BALD HEAD ISLAND, NC



Westinghouse Environmental  
and Geotechnical Services, Inc.

SCALE: Not to Scale  
JOB NO: 1054-90-245  
FIG. NO: 1



**LEGEND**

- Soil Sample Locations
- ▲ Monitoring Well Locations
- OVA Locations

**PROJECT**  
 LIGHTHOUSE LANDING SITE  
 BALD HEAD ISLAND, NC



Westinghouse Environmental  
 and Geotechnical Services, Inc.

SCALE: Not to Scale

JOB NO: 1054-90-245

FIG. NO: 2



# BALD HEAD ISLAND MANAGEMENT, INC.

The Chandler Building, Bald Head Island, N. C. 28461  
Telephone: 919-457-5000 or 800-722-6450 in N. C. or  
800-443-6305 outside N. C.

FAX NO. 919-457-9232

# RECEIVED

AUG 1 1990

IDENTIFICATION  
FOR  
FACSIMILE TRANSMISSION

GROUNDWATER SECTION  
WILMINGTON REGIONAL OFFICE

\_\_\_\_\_ URGENT    X ROUTINE    DATE 8/1/90    TIME 9:10

FAX #. 919. 256. 8572

NUMBER OF PAGES BEING TRANSMITTED (INCLUDING THIS COVER PAGE) 5

TO: Kirk McDonald / DEM

FROM: Michelle Harris

RE: Westinghouse contamination report  
(Subject, File Name/Number)

ORIGINAL TO BE MAILED:    YES \_\_\_\_\_    NO X

MESSAGE: Mr. McDonald:

At Ken Stewart's request, I am  
sending you the soil contamination  
report in the area of Lighthouse  
landing. Please let me know  
if it is illegible.

Thank you

\*\*\* If transmission is incomplete or illegible, please telephone immediately.\*\*\*

Contact DEM - [24 HRS]

TABLE 1

Laboratory Test Results  
Undeveloped Lot  
Bald Head Island, North Carolina  
W-WIL Job No. 1054-90-213

Sample Description: Soil - Battery and Utility Storage Site

SAMPLES	UNITS	1	4	5
Lead	PPM	10.3	--	--
Heavy 011	PPM	--	35,500	<10*

Lead  
o Fricky -  
o EPA (Heavy Metals)  
o Atomic  
o 0.5 PPM

Lead  
o dig up + contain it  
o Hazard lead till  
o 250 - 350 / per ton (disposal)  
o extremely high  
o 35,500 / PPM

EPA Method #3550 Gravimetric (Heavy 011)

EPA Method #239.1 Total Lead

\*Below detection limit. Detection Limit = 10 PPM

water sample  
therefore

Oil - determine perimeter of contamination  
Clean up -  
- Land from dig till clean  
- burn on plastic (2-3")  
- Oil evaporates, oxidizes  
- Compost  
- Burn it

Contact DEM = [24 HRS]

TABLE 1

Laboratory Test Results  
Undeveloped Lot  
Bald Head Island, North Carolina  
W-WIL Job No. 1054-90-213

Lead - Fricky -  
EPA (Heavy Met)  
Atatic  
0.5 PPM

Sample Description: Soil - Battery and Utility Storage Site

SAMPLES	UNITS	1	4	5
Lead	PPM	10.3	--	--
Heavy Oil	PPM		35,500	<10*

Lead dig up to contain it.  
 Hazardous lead kill.  
 250 - 350 / per ton (disposal)  
 extremely high  
 35,500 / PPM  
 water sample therefore

EPA Method #3050 Gravimetric (Heavy Oil)

EPA Method #239.1 Total Lead

\*Below detection limit. Detection Limit = 10 PPM

Oil - determine permeability of contamination.  
 Clean up -  
 - lead from dig till clean  
 - berm on plastic (2-3")  
 - sun evaporates, oxidates  
 - Compost  
 - Burn it



Westinghouse Environmental  
and Geotechnical Services, Inc.

7650 Market Street  
Wilmington, North Carolina 28403  
(919) 686-7474  
Fax (919) 686-0013

July 16, 1990

(919) 686-7474  
Fax (919) 686-0013

J. D. Beam Construction Company  
Post Office Box 18501  
Raleigh, North Carolina 28619

Attention: Mr. David Beam

Reference: Site Investigation Evaluation  
Undeveloped Lot  
Bald Head Island, North Carolina  
W-WIL Job No. 1054-90-213

Dear Mr. Beam:

Westinghouse Environmental and Geotechnical Services, Inc. is pleased to provide the authorized evaluation of the subsurface soils at an undeveloped lot located in Bald Head Island, North Carolina.

Our personnel recently obtained several soil and groundwater samples from hand augered borings which were located in the battery storage area and the cart shed area, as shown in Figure 1. A soil sample was obtained at the battery storage area and tested in accordance with Environmental Protection Agency (EPA) Method 239.1. The test results show that this sample contained levels of total lead which exceed the state limits for uncontaminated soils. Another soil sample, which was obtained in the cart storage area, was tested and found to contain levels of petroleum hydrocarbons which exceed the state limits for uncontaminated soils. The results of the chemical analyses are presented in Table 1.

The North Carolina Division of Environmental Management (DEM) regional office in Wilmington should be notified of the attached test results. If you have any questions after reviewing this letter, please do not hesitate to contact us.

Very truly yours,

WESTINGHOUSE ENVIRONMENTAL  
AND GEOTECHNICAL SERVICES, INC.

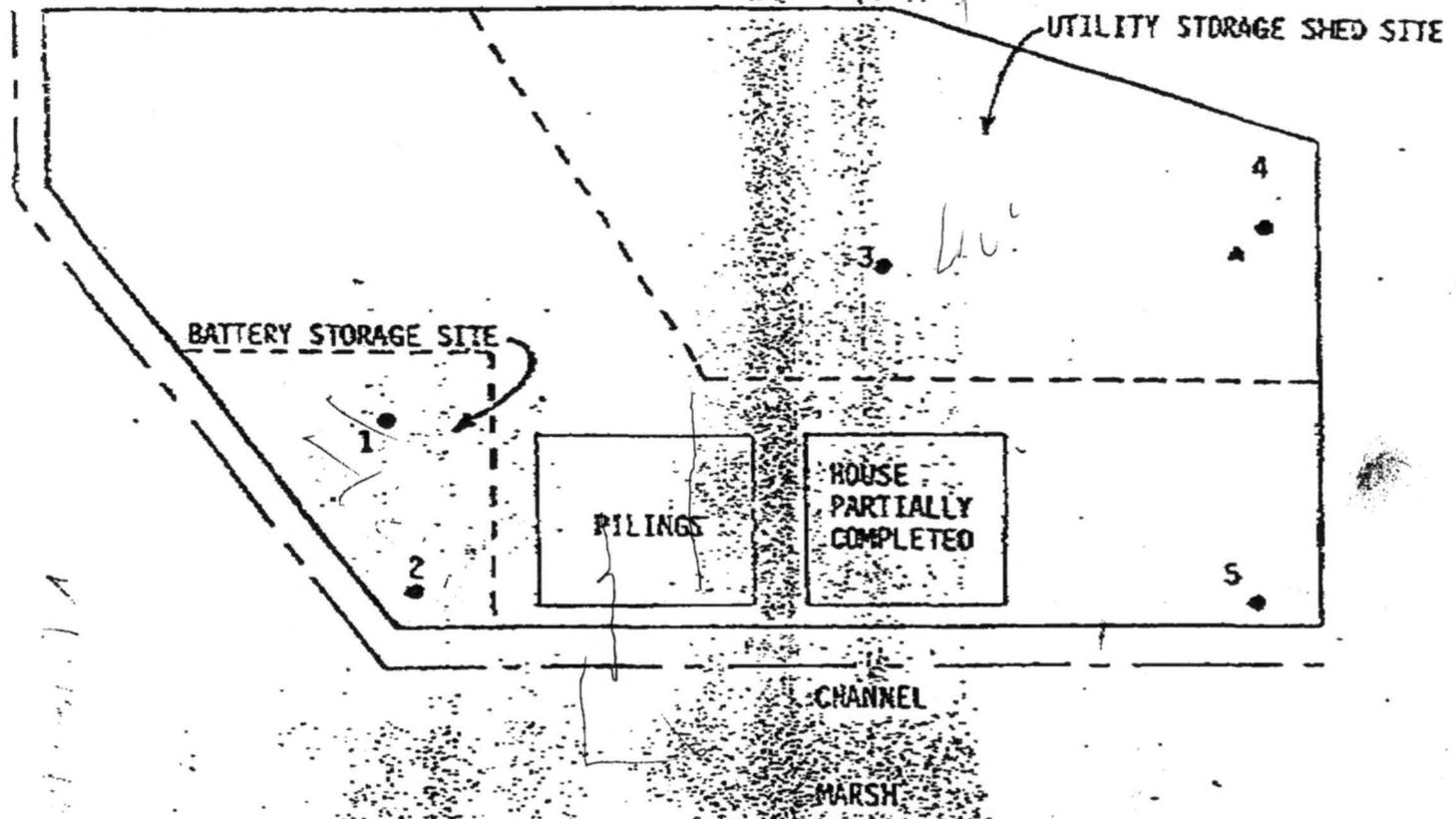
*Thurston E. Rowe, Jr.*

Thurston E. Rowe, Jr.  
Environmental Consultant

*Michael W. Behan*

Michael W. Behan, P.E.  
Senior Geotechnical Engineer

111-10000 TWI 11:48 919 783 5067 P.05 TOTAL P.05



**LEGEND**

- APPROXIMATE LOCATION OF SOIL SAMPLE
- ▲ APPROXIMATE LOCATION OF WATER FAUCET

**PROJECT**  
 UNDEVELOPED LOT  
 BALD HEAD ISLAND, NORTH CAROLINA



Westinghouse Environmental  
 and Geotechnical Services, Inc.

SCALE: Not to Scale

JOB NO: 1054-90-213

FIG NO: 1

**Phase I Environmental Site Assessment**  
**Bald Head Island Ferry Terminal**  
Southport, Brunswick County, North Carolina  
S&ME Project No. 4305-19-004



## **Appendix V – Site Photographs and Reconnaissance Checklist**

**Representative Photographs**  
**Bald Head Island Ferry Terminal**

Southport, Brunswick County, North Carolina  
 S&ME Project No. 4305-19-004



			1/9/2019
			Photographer: Claudia Irvin
1	<b>Location / Orientation</b>	View looking south from the north end of subject property.	
	<b>Remarks</b>	View of Passenger Ferry terminal and waiting area.	
			1/9/2019
			Photographer: Claudia Irvin
2	<b>Location / Orientation</b>	View looking northeast along eastern side of subject property.	
	<b>Remarks</b>	View of barge landing and hydraulic pumps building.	

**Representative Photographs**  
**Bald Head Island Ferry Terminal**

Southport, Brunswick County, North Carolina  
 S&ME Project No. 4305-19-004



			1/9/2019
			Photographer: Claudia Irvin
3	<b>Location / Orientation</b>	View looking northwest from northwestern corner of subject property.	
	<b>Remarks</b>	View of channel entrance off Cape Fear River for ferry and barges into the marina.	
			1/9/2019
			Photographer: Claudia Irvin
4	<b>Location / Orientation</b>	View looking north from barge landing area.	
	<b>Remarks</b>	Western adjacent Harbormaster building and USTs.	

**Representative Photographs**  
**Bald Head Island Ferry Terminal**

Southport, Brunswick County, North Carolina  
 S&ME Project No. 4305-19-004



			1/9/2019
			Photographer: Claudia Irvin
5	<b>Location / Orientation</b>	View looking south from southern portion of Marina Wynd Road.	
	<b>Remarks</b>	Adjacent contractors parking area.	
			1/9/2019
			Photographer: Claudia Irvin
6	<b>Location / Orientation</b>	View looking north from southern portion of Marina Wynd Road.	
	<b>Remarks</b>	View looking at golf cart rental parking area.	

**Representative Photographs**  
**Bald Head Island Ferry Terminal**

Southport, Brunswick County, North Carolina  
 S&ME Project No. 4305-19-004



		Date: 1/9/2019
		Photographer: Claudia Irvin
7	<b>Location / Orientation</b>	View looking west from ferry landing.
	<b>Remarks</b>	Three storage buildings used for a break room, a lost and found, and storage of a portable generator.

		Date: 1/9/2019
		Photographer: Claudia Irvin
8	<b>Location / Orientation</b>	View looking north at barge landing.
	<b>Remarks</b>	Building housing the hydraulic pumps for the barge landing.

**Representative Photographs**  
**Bald Head Island Ferry Terminal**

Southport, Brunswick County, North Carolina  
 S&ME Project No. 4305-19-004



		Date: 1/9/2019
		Photographer: Claudia Irvin
9	<b>Location / Orientation</b>	View looking south from the north end of the subject property.
	<b>Remarks</b>	View of tram parking area near passenger and contractor ferry terminal landing.
		Date: 1/9/2019
		Photographer: Claudia Irvin
10	<b>Location / Orientation</b>	Looking east at ferry terminal landing.
	<b>Remarks</b>	Pump system that transfers septic from ferry to island wastewater treatment facility.

**Representative Photographs**  
**Bald Head Island Ferry Terminal**

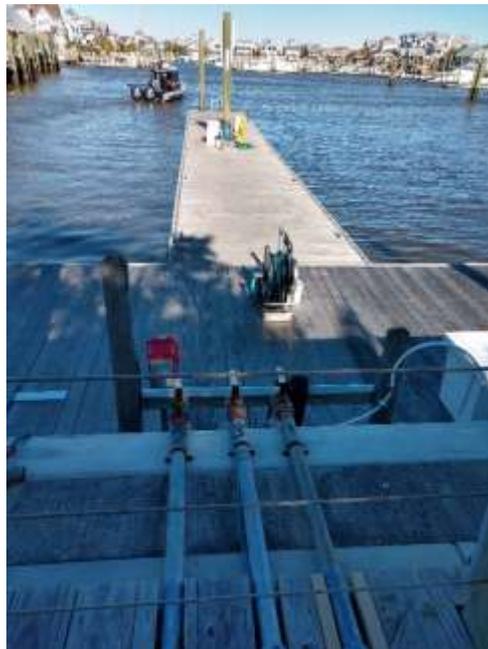
Southport, Brunswick County, North Carolina  
 S&ME Project No. 4305-19-004



<b>11</b>	<b>Location / Orientation</b>	Inside fenced area on north west side of subject property.	Date: 1/9/2019
	<b>Remarks</b>	Propane tank and generator for backup power for ticket booth.	



<b>12</b>	<b>Location / Orientation</b>	Looking north from Harbormaster facility.	Date: 1/9/2019
	<b>Remarks</b>	Dock for fueling private boats.	



**Representative Photographs**  
**Bald Head Island Ferry Terminal**

Southport, Brunswick County, North Carolina  
 S&ME Project No. 4305-19-004



<b>13</b>	<b>Location / Orientation</b>	Looking west along the Harbormaster facility.
	<b>Remarks</b>	Dispensers for marina fueling of private vessels.



Date: 1/9/2019

Photographer: Claudia Irvin

<b>14</b>	<b>Location / Orientation</b>	Interior of hydraulics building.
	<b>Remarks</b>	Pumps for barge hydraulics.

1/19/2019



Date: 1/9/2019

Photographer: Claudia Irvin

**Representative Photographs**  
**Bald Head Island Ferry Terminal**

Southport, Brunswick County, North Carolina  
 S&ME Project No. 4305-19-004



<b>15</b>	<b>Location / Orientation</b>	Interior of northwestern most storage building.
	<b>Remarks</b>	Break area for employees in tram area.

Date: 1/9/2019

---

Photographer: Claudia Irvin

<b>16</b>	<b>Location / Orientation</b>	Looking east from northwestern area of property.
	<b>Remarks</b>	Pad mounted transformer near propane generator.

Date: 1/9/2019

---

Photographer: **Error! Reference source not found.**



**SITE RECONNAISSANCE CHECKLIST**  
Phase I Environmental Site Assessment

Site and Project Information

Site Name: *Bald Head Island*  
Job Number:  
Site Address: *Bald Head Island*  
Date: *1/9/2019*  
Site Reconnaissance performed by: *CANDIA IRVIN*  
Accompanied by: *Bill Mack*  
Representing whom: *Bald Head Island, Ltd*  
Site Map attached:  Y /  N

**Site Sketch**

*See attached*

Job Number:  
Date: *1/9/2018*



**SITE RECONNAISSANCE CHECKLIST**  
**Phase I Environmental Site Assessment**

**General Property Description:**

Structures (# and use of buildings, type of construction, # of stories, approx. age, current source of heating fuel, apparent age of current heating system, evidence of former heating system, presence of floor drains, sumps, elevators, chemical storage, current/past septic systems):

- Ticket Booth - heated/cooled - minisplit unit
- 3 Small Sheds = Break room Bldg
- Hydraulics Bldg (Barge Landing)

Site Manager (name, title, affiliation, period on-site):

Bald Head Island Transport

Occupants (name, title, affiliation, period of occupancy):

Same

Pavements (type, general condition):

concrete, brick

Limitations (locked doors, unsafe conditions, ground cover, low light, excluded areas):

None

Inaccessible areas (location, size, why inaccessible):

None

Topography:

Flat

Soil Type:

Sandy

Rock Outcrops:

No

Apparent direction of G/W flow:

Job Number:

Date:

1/9/2019



# SITE RECONNAISSANCE CHECKLIST

## Phase I Environmental Site Assessment

### On-site Observations

USTs	Photograph #	Describe (location, size, contents, current use): <i>offsite gas/diesel</i>
ASTs	Photograph #	Describe (location, size, contents, current use): <i>None</i>
Drums	Photograph #	Describe (#, location, content): <i>None</i>
Staining/Spills	Photograph #	Describe (location, appearance): <i>None</i>
Solid waste storage/disposal	Photograph #	Describe (location, type): <i>recycle containers</i>
Unusual or noxious odors	Photograph #	Describe: <i>Landscaping Co. collects gen. trash from trash cans to trash compactor</i>
Transformers/other PCB equipment	Photograph #	Describe (location, condition, ownership): <i>Yes - pad mounted onsite / + offsite</i>
Stressed vegetation	Photograph #	Describe (apparent cause, appearance): <i>NO</i>
Discolored or disturbed Soil	Photograph #	Describe (apparent cause, appearance): <i>NO</i>
Mounding or piles of Soil	Photograph #	Describe (location, size, content, source): <i>NO</i>
Evidence of Land Filling	Photograph #	Describe (location, size, purpose): <i>NO</i>
Depressions	Photograph #	Describe (apparent cause): <i>NO</i>
Lagoons, pits, ponds	Photograph #	Describe (appearance, age, ownership): <i>NO</i>
Railroad Spurs	Photograph #	Describe (appearance, age, ownership): <i>NO</i>
Monitor Wells	Photograph #	Describe (location, age, ID, purpose, installer): <i>Not onsite but on adj. property</i>
Municipal water/sewer	Photograph #	Describe: <i>WSW-19 offsite but back up public source</i>
Water supply wells/septic tanks	Photograph #	Describe: <i>19 wells provide 99% of H<sub>2</sub>O from mainline (Southport)</i>
Other	Photograph #	Describe: <i>Hydraulic pump for barge landing lift</i>
Other	Photograph #	Describe:
Other	Photograph #	Describe:

*'Whitt works' brings to recycle center for impurities (no public access) then to waste land strip*

Job Number:

Date:



**SITE RECONNAISSANCE CHECKLIST**  
**Phase I Environmental Site Assessment**

Are MSDS's available for stored chemicals:  Y /  N *N/A*

Non-hazardous waste disposal by: *Landscaper places into dumpster on adjacent parcel. Waste Industries takes recycling + trash.*

Hazardous waste disposal by:

**Off-site Observations**

Property to the <i>N</i> is at a higher/lower elevation than subject property	Photograph(s) #	Describe observations <i>Main Area / entrance into island golf cart rental area Convenience Store, Real Estate office Restaurant</i>
Property to the <i>W</i> is at a higher/lower elevation than subject property	Photograph(s) #	Describe observations <i>Cape Fear River /</i>
Property to the <i>E</i> is at a higher/lower elevation than subject property	Photograph(s) #	Describe observations <i>undeveloped / marshy</i>
Property to the <i>S</i> is at a higher/lower elevation than subject property	Photograph(s) #	Describe observations <i>Contractor Parking</i>

**Interviews**

*3 small sheds — 1 - breakroom  
 2 - storage of pressure washer  
 3 - Lost + Found*

*Sewage station - toilets from ferry to here then to BH1 WWTP for treatment*

*Grate / Cylinders for barge lift recently replaced  
 2 Motors in hydraulics bldg - 1 runs on Street power  
 1 " " Generator  
 (near lending library)*

Job Number:

Date:

# Bald Head Island Ferry Terminal

Legend





**Phase I Environmental Site Assessment**  
**Bald Head Island Ferry Terminal**  
Southport, Brunswick County, North Carolina  
S&ME Project No. 4305-19-004



## **Appendix VI– Interview Documentation**



## RECORD OF TELEPHONE CONVERSATION

**Project Number: 4305-19-004**  
**Project Name: Bald Head Island Ferry Terminal**  
**Date: 1/09/2019**  
**Telephone No.: In Person**  
**Start: 10:30 a.m.**  
**Finish: 3:00 p.m.**  
**Call To: Bill Mack**  
**Company: Facilities and Construction Manager with Bald Head Island Limited (Owner)**  
**Call From: Claudia Irvin**  
**Company: S&ME, Inc.**

Conversation:

Mr. Mack gave a background of the property and why the Phase I ESA is being required. The Mitchell Family owns the property under Bald Head Island (BHI) Limited (Ltd). BHI Ltd is a subsidiary to Mitchell Energy Group. Bald Head Island Limited is split into Bald Head Island Shoals Clubs and Bald Head Island Transportation. Community is called Bald Head Island Village and has its own governing entity. Mr. Mack believes the property was purchased around 1983 from Mr. Harrington. Property not previously developed. Pump out area near contractor ferry landing (sewer waste from ferry restrooms to here and then to WWTP on island). Three small buildings near landing are for break room, pressure washer storage, and lost and found. Propane backup generator onsite for ticket window in case of power outage. Trams pick up and deliver gear and passengers throughout the island to the ferry (like taxi service). Building adjacent to barge landing houses two pumps/motors for the raising of the barge landing. Landscape company hauls trash from receptacles throughout the ferry terminal and harbor master area to the trash compactor. Water is provided by 19 wells on the island and public water is piped under Cape Fear River to the island. Majority of water need is handled by wells. Power also provided under Cape Fear River on adjacent Harbormaster property there are two USTs (one gas and one diesel) recently installed 2007 or 2008. Previous two USTs were abandoned in place. Dispensers for fuel are on north side of Harbormaster building along water. Hose dispensers fuel along boardwalk near boat parking. Mr. Mack was aware that there was some sort of cleanup with the USTs. Ms. Irvin noted that the file review did show a previous release and will be discussed in report. Other than the former USTs, Mr. Mack was not aware of environmental issues with this property.

## Claudia B Irvin

---

**From:** Chad Paul <cpaul@bhisland.com>  
**Sent:** Wednesday, February 13, 2019 10:49 AM  
**To:** Claudia B Irvin  
**Cc:** William Mack; Shirley Mayfield; Claude McKernan; Rob Wright; Chad Paul  
**Subject:** FW: Pumps for Barge Lift Hydraulics - Bald Head Island/ Deep Point

Claudia...per your inquiry regarding the hydraulic pump houses supporting the barge landings:

1. Yes, the lines do run from the pump house underground to the cylinders.
2. We have had occasion to add oil to the Island side barge ramp hydraulic system. This was due to a lightning strike during a severe storm several years ago, shorting both the primary and secondary pump motors both in the ON position. They ran until the situation was discovered the next day. The oil was extremely hot from the continuous running and had a scorched smell. We replaced all the oil in the system. Another time that we added oil was when we had a very small oil leak associated with one of the seals on the cylinder on the island side. The cylinder was replaced. There was also a time when oil was seeping past a valve in the system. The valve was replaced. We have replaced all of the cylinders on a rotational basis to prevent any leaks or other failures from happening.

Please note, we have never had any material leaks that resulted in a sheen upon the water from the barge ramp system. All of the small leaks/releases that have occurred were cleaned up and repaired immediately. Please also note, we use a hydraulic oil called EnviroSyn which is a synthetic, vegetable based oil which is much less harmful to the environment than petroleum based oils, should a release occur.

Thank you for all of your help and consideration Claudia. Please don't hesitate to contact me with any further questions.

Sincerely,

Chad

---

**Charles A. Paul, III**  
**Chief Executive Officer**  
**Bald Head Island Limited, LLC**  
**PO Box 3069**  
**Bald Head Island, NC 28461**

**(910) 457-7358**

[cpaul@bhisland.com](mailto:cpaul@bhisland.com)

 [profile](#)

 [profile](#)

----- Original message-----

**From:** Claudia B Irvin  
**Date:** Mon, Feb 11, 2019 6:11 PM  
**To:** William Mack;  
**Cc:**  
**Subject:** Pumps for Barge Lift Hydraulics - Bald Head Island/ Deep Point

Hi Bill –

Just a follow-up question that was posed to me internally.

1. Do the hydraulic lines lead from the pump house(s) on BHI and at Deep Point to the hydraulic cylinders at the barge landing(s) via underground lines?
2. Have you had to add oil to either of the systems often? Was this one of the reasons you replaced the cylinders at BHI barge landing?

Thanks -

---

**Claudia B. Irvin**

Environmental Professional



S&ME  
3201 Spring Forest Road  
Raleigh, NC 27616 [map](#)  
O: 919.954.6208  
M: 919.906.4867  
[cirvin@smeinc.com](mailto:cirvin@smeinc.com)  
[www.smeinc.com](http://www.smeinc.com)  
[LinkedIn](#) | [Twitter](#) | [Facebook](#)

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## RECORD OF TELEPHONE CONVERSATION

**Project Number: 4305-19-004**  
**Project Name: Bald Head Island Ferry Terminal**  
**Date: 12/1/2019**  
**Telephone No.: 910-457-5252**  
**Start: 11:23 a.m.**  
**Finish: p.m.**  
**Call To: Mr. Paul Swanson**  
**Company: Bald Head Island Dept. of Public Safety**  
**Call From: Claudia Irvin**  
**Company: S&ME, Inc.**

Conversation:

Ms. Claudia Irvin of S&ME contacted the Village of Bald Head Island Department of Public Safety concerning fire and hazardous material responses in connection with the subject property.

An administrator stated that requests for fire and hazardous materials release information should be requested through email. An email request was sent to [pswanson@villagebhi.org](mailto:pswanson@villagebhi.org) (to Mr. Paul Swanson, Captain with the Village of Bald Head Island Department of Public Safety) on February 1, 2019.

Mr. Swanson emailed his response on February 6, 2019. See attached email.

## Claudia B Irvin

---

**From:** Paul Swanson <pswanson@villagebhi.org>  
**Sent:** Wednesday, February 06, 2019 8:43 AM  
**To:** Claudia B Irvin  
**Subject:** Re: Inquiry for Spills/Hazardous Materials Responses

Hello Claudia,

I have went back through our records to see if there has been any calls reference to petroleum or hazardous materials. To this date we have no calls at any of the location on BHI the only calls we have every had was for boats in marina that was leaking fuel. All of those were private boats not ferry or barge. Let me know if you have any other questions or concerns. Will try to answer any and all questions.

On Fri, Feb 1, 2019 at 11:48 AM Claudia B Irvin <[CIrvin@smeinc.com](mailto:CIrvin@smeinc.com)> wrote:

2/1/2019

Mr. Swanson – We are conducting a Phase I Environmental Site Assessment for the newly formed Bald Head Island Transportation Authority (BHITA) of the passenger/contractor and barge ferry landings on BHI. Do you have any records pertaining to petroleum spills or hazardous material responses to either of these areas on the island?

I appreciate your assistance with this. Thanks -

---

### Claudia B. Irvin

Environmental Professional

	<p>S&amp;ME 3201 Spring Forest Road Raleigh, NC 27616 <a href="#">map</a></p> <p>O: 919.954.6208 M: 919.906.4867</p> <p><a href="mailto:cirvin@smeinc.com">cirvin@smeinc.com</a></p> <p><a href="http://www.smeinc.com">www.smeinc.com</a></p> <p><a href="#">LinkedIn</a>   <a href="#">Twitter</a>   <a href="#">Facebook</a></p>
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**Phase I Environmental Site Assessment**  
**Bald Head Island Ferry Terminal**  
Southport, Brunswick County, North Carolina  
S&ME Project No. 4305-19-004



## **Appendix VII – Contract and User Questionnaire**



December 14, 2018

Bald Head Island Transportation Authority  
c/o McGuire Woods, LLP  
300 North Third Street, Suite 320  
Wilmington, North Carolina 28401

Attention: Chair Susan Rabon  
Mr. Dickson McLean

via email: [susanrabon@gmail.com](mailto:susanrabon@gmail.com)  
via email: [dmclean@mcguirewoods.com](mailto:dmclean@mcguirewoods.com)

Reference: **Proposal for Phase I Environmental Site Assessment  
Bald Head Island Ferry Terminal**  
Bald Head Island, Brunswick County, North Carolina  
S&ME Proposal No. 43-1800970 (Rev 1)

Dear Chair Rabon:

S&ME, Inc. (S&ME) appreciates the opportunity to submit this proposal to perform a Phase I Environmental Site Assessment (ESA) for the above-referenced property. The proposal describes our understanding of the project, outlines our approach and presents a schedule and proposed fee for these services. Our Agreement for Services (Form AS-071) is attached and is incorporated as part of this proposal.

## ◆ Property Description

Information that we have concerning the subject property was provided by Dickson McLean of McGuire Woods LLP via telephone and email to Ms. Claudia Irvin of S&ME on December 12, 2018. S&ME performed a Phase I ESA on the subject property, which is documented in *Report of Phase I Environmental Site Assessment Bald Head Island Ferry Depot Landing*, dated September 7, 2017 (S&ME Project No. 4305-17-167). The services were performed for Bald Head Island Limited, LLC. Per our conversation, we understand the newly formed Bald Head Island Transportation Authority (the Authority), which McGuire Woods LLP is representing is purchasing the Bald Head Island Marina property. The Authority requires an updated Phase I ESA for the property.

The subject property consists of the same 2.25 acres of the Ferry Depot Landing assessed during the 2017 Phase I ESA. Information obtained from the Brunswick County GIS for the parcels comprising the subject property are listed in the table below:

Parcel ID No. (PIN)	Parcel Size (acres)	Parcel Address	Acres/Deed/Use Description	Property Owner
2600000503	2.46	2 Marina Wynd Bald Head Island, NC	L-1, 2.47 ac, Plat 71/39, Bald Head Island Land Bk 532/Pg 546 -6/1983	Bald Head Island Limited, LLC P.O. Box 3069 Bald Head Island, NC 28461
260JA008	1.45		Parcel 1, Plat 71/39, 1.48 ac. BHI Lndg Bk532/Pg546-6/ 1983 (new road from Ferry)	Bald Head Island Limited, LLC P.O. Box 3069



**Proposal for Phase I Environmental Site Assessment**  
**Bald Head Island Ferry Terminal**  
 Bald Head Island, Brunswick County, North Carolina  
 S&ME Proposal No. 43-1800970 (Rev 1)

Parcel ID No. (PIN)	Parcel Size (acres)	Parcel Address	Acres/Deed/Use Description	Property Owner
				Bald Head Island, NC 28461
260JA003	1.36	6 Marina Wynd Bald Head Island, NC	L-7 Rev 2, 1.36 ac, Bald Plat 92/64 Deed Bk 532/ Pg 546 – June 1983	Bald Head Island Limited, LLC P.O. Box 3069 Bald Head Island, NC 28461

◆ **Scope Of Services**

**General**

The most widely utilized standard for performing Phase I ESAs is the standard developed by the American Society for Testing and Materials (ASTM) entitled *E1527 Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process*. An assessment performed in accordance with this standard meets requirements for *All Appropriate Inquiries (AAI)* per 40 CFR Part 312 and may permit the User to qualify for certain *Landowner Liability Protections (LLPs)*.

We understand that the proposed Phase I ESA is being performed in connection with a planned transaction involving the subject property. Accordingly, the purpose of the assessment is to identify *recognized environmental conditions* (as defined in ASTM E1527-13) in connection with the property.

**Viability of the Phase I ESA**

ASTM E1527-13 states that an ESA “meeting or exceeding” this practice and completed less than 180 days prior to the date of acquisition or intended transaction is presumed to be valid if the report is being relied upon by the User for whom the assessment was originally prepared.

**Proposed Services**

S&ME’s approach to performing a Phase I ESA under the ASTM E1527-13 Standard Practice includes the following tasks.

*Task I – Records Review*

A review of *reasonably ascertainable* and practically reviewable public records for the site and the immediate vicinity will be conducted to characterize environmental features of the site and to identify past and present land use activities, on or in the vicinity of the site, which may indicate evidence of *recognized environmental conditions*. The review of the public record will include:

1. Review of federal, state and tribal standard environmental record sources as well as selected local sources in accordance with the specified minimum search distances in ASTM E1527-13. The search of these records will be performed by a firm specializing in this service with results presented in a written report that will be appended to S&ME’s Phase I ESA report. Regulatory file information may be reviewed if the subject property or adjoining property is listed on one or more of the standard environmental record



sources, the file information is *reasonably ascertainable* and can be obtained within a reasonable timeframe and at a reasonable cost. The regulatory records will be reviewed to evaluate potential environmental impacts to the subject property from on-site and nearby sources to include soil, groundwater, and vaporous form contaminants.

2. Examination of one or more historical records sources such as: aerial photographs, fire insurance maps, street directories, USGS 7.5 minute topographic maps, fire department or health department records for evidence suggesting past uses that might have involved hazardous substances or petroleum products.

### *Task II – Site Reconnaissance*

A site reconnaissance will be performed to identify visible signs of environmental conditions on or adjoining the property that might be indicative of activities resulting in hazardous substances or petroleum products being used or deposited on the property. The site reconnaissance will include the following activities:

1. Performing a visual reconnaissance of the subject property and adjoining properties (from public rights-of-way) for evidence of the possible presence of contaminants or contaminant sources.
2. The periphery of the property will be viewed, and a walk-through of accessible areas of the site interior, including on-site structures, will be conducted if readily accessible.
3. Noteworthy site features and conditions will be photographed.

### *Task III– Interviews*

Interviews with appropriate local officials will be conducted to consider local knowledge of hazardous substances or petroleum products on the subject property or on adjacent properties. Past and current property owner(s), operators and key occupants will be interviewed regarding the potential for contamination at the property to the extent they have been identified by the client and that information likely to be obtained is not duplicative.

### *Task IV – Written Report*

Upon completion of the public record review, interviews and site reconnaissance, S&ME will provide a written report documenting findings, opinions and conclusions. We will produce an electronic copy of the report in PDF format.

Our conclusions will be presented in terms of the presence or absence of *recognized environmental conditions* as defined in ASTM E1527-13. However, a conclusion of “no evidence of recognized environmental conditions” should not be interpreted as a guarantee or warranty that the property is “clean” or free of all contaminants. Environmental conditions may exist on the property that may not be identified through the scope of ASTM E1527.

### **Excluded Services**

Unless specifically authorized as an addition to the Phase I ESA work scope, the assessment will not include any assessment of environmental conditions not specifically included in the ASTM E1527-13 standard, including but not limited to, sampling of materials (i.e. soil, surface water, groundwater or air), or the assessment of business risk issues such as wetlands; asbestos-containing materials; lead-based paint; lead in drinking water; mold, fungi or bacteria in on-site buildings; regulatory compliance; cultural/historic resources; industrial hygiene; health/safety;



**Proposal for Phase I Environmental Site Assessment**  
**Bald Head Island Ferry Terminal**  
Bald Head Island, Brunswick County, North Carolina  
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ecological resources; endangered species; indoor air quality including any assessment of vapor intrusion; radon or high voltage power lines. Further, the scope and cost of Tier 2 Vapor Encroachment Screening is excluded from the work proposed herein.

### ◆ Client Responsibilities

The Scope of Services, fees and project schedule presented herein are contingent upon the client fulfilling the following responsibilities:

1. Provide the name and contact information for the past and present property owner(s), operators, and key occupants to enable us to conduct the interviews specified in ASTM E 1527-13.
2. As specified in E1527-13, it is the client's (user's) responsibility to
  - A. Complete the enclosed User Questionnaire (To be Completed by a representative of the **Bald Head Island Transportation Authority**)
  - B. Review land title and judicial records for environmental liens or activity and use limitations (AULs), and
  - C. Report these findings to the environmental professional responsible for completing the Phase I ESA.
3. Provide copies of existing environmental reports or testing results relating to conditions at the subject property that may be available to the client (see attached checklist for *User-furnished Information*).
4. Indicate exactly how the final environmental report is to be addressed such as to include a lender or other participant in the property transaction as a co-addressee. There will be an extra charge to reissue the environmental report at a later date.

### ◆ Limitations

ASTM E1527-13 is intended to constitute *all appropriate inquiry* into the property to permit the User to qualify for *Landowner Liability Protections* including the innocent landowner, contiguous property owner or bona fide prospective purchaser limitations on CERCLA liability in an approach that is both commercially prudent and reasonable. The ASTM E1527 standard seeks to reduce, but not eliminate, uncertainty regarding the potential for *recognized environmental conditions* in connection with the property. Further, *all appropriate inquiry* does not imply an exhaustive assessment of real property, but instead calls for the environmental professional to identify a balance between competing demands of limited cost and time and the reduction of uncertainty about unknown conditions.

Please note that our ability to complete the services involved in the review of the public record within the project schedule often depends on the availability of certain maps and records that we may want to review or personnel whom we would want to interview. If we were to experience difficulties in this regard, we would inform you at the earliest possible time and obtain your concurrence on extending the evaluation time period, or terminating that aspect of the evaluation with a discussion of the ramifications of producing the report without the benefit of that information. ASTM E1527-13 states that information is *reasonably ascertainable* if it can be provided for review within 20 days of the request. If information which we request to review is not made available within a 10-day period, we would consult with you on whether to extend our scheduled completion date or to complete the project without the benefit of that information (either option will satisfy ASTM E1527-13 requirements).



**Proposal for Phase I Environmental Site Assessment  
Bald Head Island Ferry Terminal**  
Bald Head Island, Brunswick County, North Carolina  
S&ME Proposal No. 43-1800970 (Rev 1)

### ◆ **Schedule And Fee**

The Phase I ESA scope of services outlined above can generally be completed within three weeks of written authorization to proceed. S&ME is prepared to complete the services outlined above for a lump sum fee of **\$3,200**, if the site reconnaissance is conducted on the same day at the Deep Point Terminal Phase I ESA services.

Our proposed scope and fee for the Phase I ESA does not include attendance at client meetings, telephone calls, or additional consultation to discuss the findings of the Phase I ESA or the impact of those findings on proposed real estate transaction or site development. These services can be provided upon receipt of written request from the client and will be provided on a time and expense basis.

If the client will require reliance on the final Phase I ESA report to an entity other than the entity to which this proposal is addressed, then please provide the name of the additional entity when authorization for our services is provided. If the client requests a reliance letter to a separate entity after the final Phase I ESA report is issued, then a fee of \$500 per additional entity will be required. S&ME will not issue a reliance letter for the Phase I ESA report after the viability date has expired. This quotation is valid for a period of 90 days.

### ◆ **Use Of Proposal/Report**

This proposal is solely intended for the Basic Services as described in the Scope of Services. The Scope of Services may not be modified or amended, unless the changes are first agreed to in writing by the client and S&ME, Inc. Use of this proposal and corresponding final report is limited to above-referenced project and client. No other use is authorized by S&ME.

### ◆ **Authorization**

Our Agreement for Services, Form Number AS-071, is attached and is incorporated as a part of this proposal. Please indicate your acceptance of our proposal by signing the form and returning it to our office. We will then proceed with the performance of the services. If you elect to accept our proposal by issuing a purchase order, then please reference this proposal number and date. Your purchase order will be an acceptance of our Agreement of Services and an authorization to proceed with the performance of our services. The terms and conditions included in any purchase order shall not apply, as our agreement is for services that are not compatible with purchase order agreements. **If this proposal is transmitted to you via email, and if you choose to accept this proposal by email, your reply email acceptance will serve as your representation to S&ME that you have reviewed the proposal and the associated Agreement for Services (AS-071) and hereby accept both as written.**



**Proposal for Phase I Environmental Site Assessment  
Bald Head Island Ferry Terminal**  
Bald Head Island, Brunswick County, North Carolina  
S&ME Proposal No. 43-1800970 (Rev 1)

◆ **Closing**

S&ME appreciates the opportunity to be of service to you. If you have any questions regarding the outlined scope of work, or if we may be of any further assistance, please call.

Sincerely,  
**S&ME, Inc.**

A handwritten signature in blue ink that reads "Claudia B. Irvin".

Claudia B. Irvin  
Environmental Professional  
[cirvin@smeinc.com](mailto:cirvin@smeinc.com)  
919-906-4867

A handwritten signature in blue ink that reads "Edmund Woloszyn, Jr.".

Edmund Woloszyn, Jr., REM  
Principal Scientist/Project Manager  
[ewoloszyn@smeinc.com](mailto:ewoloszyn@smeinc.com)

Attachments: Phase I Environmental Site Assessment User Questionnaire  
Bald Head Island Subject Property Exhibit  
Agreement for Services (AS-071)



## **PHASE I ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE**

In order to qualify for Landowner Liability Protections (LLPs), ASTM E 1527-13 specifies that the ESA User must provide the following information, if available, to the Environmental Professional. Failure to provide this information could make the ESA incomplete and the User unable to qualify for LLPs.

1. Are you aware of any environmental clean-up liens against the property that are filed or recorded under federal, tribal, state or local laws?
  
2. Are you aware of any Activity and Use Limitations (AUL's) such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, state or local laws?
  
3. As the User of this ESA, do you have any specialized knowledge or experience related to the subject property or nearby properties?
  
4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If not, is the lower purchase price attributable to known or suspected contamination?
  
5. Are you aware of information about the property that would be helpful in identifying conditions indicative of contaminant releases, such as: a) past use of the property; b) presence of specific chemicals (past or present); c) spills or chemical releases at the property; or d) environmental cleanups that have taken place at the property?
  
6. As the User of this Phase I ESA and based on your knowledge and experience of the property, are there any obvious indicators that point to the presence or likely presence of contamination on the property?

Printed Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_



### **User Questionnaire (continued)**

In addition, certain other information should be provided, although not necessarily to qualify for *LLPs*, including: contact information for past and current property owners, operators and key occupants; the reason for performing this ESA; and documentation showing the property address, location and boundaries.

7. What is the purpose of the Phase I ESA (i.e., why is it needed)?
  
8. Is the subject property on city utilities? If so, how long has the subject property been on the city system?  
 No             Yes (please explain below)
  
9. Is there or was there previously a septic system present at the subject property?  
 No             Yes (please explain below)
  
10. If there are buildings on the subject property, how are the buildings heated?  
 No             Yes (please explain below)
  
11. Have the buildings always been heated this way? If not, what was the prior heat source(s)?  
 Yes    No (please explain below)
  
12. If available, provide contact information for past and current property owners, operators and key occupants.
  
13. If not provided to S&ME previously, please provide documentation showing the property address, location and boundaries.

Printed Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_



**USER FURNISHED INFORMATION**

The following is a list of documents and information that could be useful to S&ME, Inc. in preparing your Phase I Environmental Site Assessment (ESA). Please check the appropriate boxes below, sign, and fax or mail this form along with the signed Agreement for Services and completed client/landowner Questionnaire. We will contact you regarding review of any available materials. This form will be attached to, and made a part of, your completed Phase I ESA.

Yes      No

- |                          |                          |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Environmental site assessment reports   |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Environmental audit reports   |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Environmental permits (i.e. solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits)  |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Registrations for underground and above-ground storage tanks  |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Material safety data sheets (MSDS)  |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Community right-to-know plan  |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Safety plans; preparedness and prevention plans; spill prevention, counter-measure and control plans, etc.  |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Reports regarding hydrologic conditions on the property or surrounding area   |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. Reports of any past or current environmental remediation on-site or on adjoining properties   |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Notices or other correspondence from any government agency relating to past or existing environmental liens encumbering the property                                     |
| <input type="checkbox"/> | <input type="checkbox"/> | 11. Hazardous waste generator notices or reports   |
| <input type="checkbox"/> | <input type="checkbox"/> | 12. Geotechnical studies   |
| <input type="checkbox"/> | <input type="checkbox"/> | 13. Report of earthwork or land filling activities on-site   |
| <input type="checkbox"/> | <input type="checkbox"/> | 14. Information concerning any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products                  |
| <input type="checkbox"/> | <input type="checkbox"/> | 15. Notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products |
| <input type="checkbox"/> | <input type="checkbox"/> | 16. Disclosure of sumps, pits, drainage systems (i.e. the existence of and location)   |
| <input type="checkbox"/> | <input type="checkbox"/> | 17. Building plans (architectural, utility, structural)  |
| <input type="checkbox"/> | <input type="checkbox"/> | 18. Description of current site operations, including layout drawings or sketches  |
| <input type="checkbox"/> | <input type="checkbox"/> | 19. Title report/chain-of-title  |
| <input type="checkbox"/> | <input type="checkbox"/> | 20. Tax assessor records (previous owner and occupants)  |
| <input type="checkbox"/> | <input type="checkbox"/> | 21. Purchase price analysis (if lower than comparables)  |
| <input type="checkbox"/> | <input type="checkbox"/> | 22. Current and historical photographs of the site   |
| <input type="checkbox"/> | <input type="checkbox"/> | 23. Current and historical topographic maps of the site  |

Printed Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_





**AGREEMENT FOR SERVICES**

Form AS-071

<b>Date:</b> 12/14/2018	
<b>S&amp;ME, Inc.</b> (hereafter Consultant)	<b>Client Name:</b> Bald Head Island Transportation Authority (hereafter Client)
<b>Address:</b> 3201 Spring Forest Road <b>City:</b> Raleigh <b>State:</b> North Carolina <b>Zip:</b> 27616 <b>Telephone:</b> (919) 872-2660	<b>Address:</b> c/o McGuire Woods LLP, 300 North Third Street, Suite 320 <b>City:</b> Wilmington <b>State:</b> North Carolina <b>Zip:</b> 28401
<b>PROJECT</b>	
<b>Project Name:</b> Phase I ESA – Bald Head Island Ferry Depot Landing	
<b>Project Location (Street Address):</b> Ferry Landing	
<b>City:</b> Bald Head Island <b>State:</b> North Carolina <b>Zip:</b> 28306	
<b>SERVICES TO BE RENDERED</b>	
<b>Proposal Number:</b> 43-1800970 Rev 1 <b>dated:</b> 12/14/2018      is incorporated into this Agreement for Services. This Agreement for Services is incorporated into the above Proposal.	

Client desires to contract with Consultant for the Services to be Rendered ("Services") on Client's Project, as contained in Consultant's Proposal. The Proposal and Client's Project are referenced immediately above.

THEREFORE, in consideration of the Mutual Covenants and Promises included herein, Client and Consultant agree as follows:

- ACCEPTANCE:** Client hereby accepts this offer by Consultant to provide the Services as contained in Consultant's Proposal and agrees that such Services and any additional Services performed by Consultant shall be governed by this Agreement. If Client directs that Services commence prior to execution of this Agreement, Client agrees that commencement of Services by Consultant is in reliance on Client having accepted the terms of this Agreement and acknowledgment that Client will execute this Agreement, forthwith. **CLIENT MAY ACCEPT THIS AGREEMENT FOR SERVICES THROUGH THE USE OF CLIENT'S PURCHASE ORDER, HOWEVER ALL PREPRINTED TERMS AND CONDITIONS ON CLIENT'S PURCHASE ORDER ARE INAPPLICABLE AND THE TERMS OF THIS AGREEMENT SHALL GOVERN.** Unless this offer is previously accepted, it will be withdrawn automatically at 5:00 pm EST, ninety (90) days from the date of issue.
- CONTRACT DOCUMENTS:** "Contract Documents" shall mean this Agreement for Services, the Proposal identified under "SERVICES TO BE RENDERED."
- SCOPE OF SERVICES:** Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the services included in Consultant's proposal received by Client are adequate and sufficient for Client's intended purpose. Client shall communicate the provisions of this Agreement for Services to each and every third party to whom Client transmits any part of Consultant's work. Consultant shall have no duty or obligation to any third party greater than that set forth in Consultant's proposal, Client's acceptance thereof and this Agreement for Services. The ordering of work from Consultant, or the reliance on

any of Consultant's work, shall constitute acceptance of the terms of Consultant's proposal and this Agreement for Services, regardless of the terms of any subsequently issued document.

4. **CHANGE ORDERS:** Client may request changes to the scope of Services by altering or adding to the Services to be performed. If Client so requests, Consultant will return to Client a statement (or supplemental proposal) of the change setting forth an adjustment to the Services and fees for the requested changes. Following Client's review, Client shall provide written acceptance. If Client does not follow these procedures, but instead directs, authorizes, or permits Consultant to perform changed or additional work, the Services are changed accordingly and Consultant will be paid for this work according to the fees stated or its current fee schedule. If project conditions change materially from those observed at the site or described to Consultant at the time of proposal, Consultant is entitled to a change order equitably adjusting its Services and fee.
5. **PAYMENT:** Client will pay Consultant for Services and expenses in accordance with the Contract Documents. , and Consultants's fee shall not exceed \$3,200, subject to the limitations and reservations contained in "Schedule and Fee" in Consultant's Proposal. ~~If prices for Services are not specified in the Contract Documents, Consultant's current fee schedule in effect for the type of services performed shall control.~~ Consultant will submit progress invoices to Client monthly and a final invoice upon completion of Services. Payment is due upon receipt of the invoice unless otherwise agreed to in writing prior to the submittal of the invoice. Invoices are past due 30 calendar days after the date of the invoice. Past due amounts are subject to a late fee of one and one-half percent per month (18 percent per annum) or the highest amount allowed by applicable law on the outstanding balance, whichever is less. Attorney's fees and other costs incurred in collecting past due amounts shall be paid by Client. The Client's obligation to pay under this Agreement is in no way dependent upon the Client's ability to obtain financing, payment from third parties, approval of governmental or regulatory agencies, or Client's successful completion of the Project. In addition, CONSULTANT reserves the right to suspend the performance of all services in any case where invoices remain unpaid more than sixty (60) days from the invoice date.
6. **STANDARD OF CARE:** Consultant and its agents, employees and subcontractors shall endeavor to perform the Services for Client with that degree of care and skill ordinarily exercised, under similar circumstances, by consultants practicing in the same discipline at the same time and location. In the event any portion of the Services fails to substantially comply with this standard of care obligation and Consultant is promptly notified in writing prior to one year after completion of such portion of the Services, Consultant will re-perform such portion of the Services, or if re-performance is impractical, Consultant will refund the amount of compensation paid to Consultant for such portion of the Services. CONSULTANT MAKES NO WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, RELATING TO CONSULTANT'S SERVICES AND CONSULTANT DISCLAIMS ANY IMPLIED WARRANTIES OR WARRANTIES IMPOSED BY LAW, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
7. **LIMITATION OF LIABILITY:** Client agrees that Consultant's services will not subject Consultant's individual employees, officers or directors to any personal liability, and that notwithstanding any other provision of this agreement, Client agrees that its sole and exclusive remedy shall be to direct or assert any claim, demand, or suit only against Consultant. Statements made in Consultant's reports are opinions based upon engineering judgment and are not to be construed as representations of fact. Client and Consultant have evaluated the risks and rewards associated with this project, including Consultant's fee relative to the risks assumed, and agree to allocate certain of the associated risks. To the fullest extent permitted by law, Consultant's aggregate liability to Client, including that of Consultant's officers, directors, employees and agents, is limited to \$100,000, hereinafter referred to as LIMITATION OF LIABILITY. This LIMITATION OF LIABILITY applies to all lawsuits, claims or actions, whether identified as arising in tort, INCLUDING NEGLIGENCE (WHETHER SOLE OR CONCURRENT), PROFESSIONAL ERROR OR OMISSIONS, BREACH OF WARRANTY (EXPRESS OR IMPLIED), NEGLIGENT MISREPRESENTATION, AND STRICT LIABILITY, contract, or other legal theory, including without limitation, Consultant's indemnity obligations to Client related to the Services provided in this Agreement and any continuation or extension of Consultant's Services.

By entering into this Agreement, Client acknowledges that this LIMITATION OF LIABILITY provision has been reviewed, understood and is a material part of this Agreement, and that Client has had an opportunity to seek legal advice regarding this provision.

8. **DISCLAIMER OF CONSEQUENTIAL DAMAGES:** In no event shall Consultant or Client be liable to the other for any special, indirect, incidental or consequential loss or damages, including, but not limited to, lost profits, damages for delay, or loss of use arising from or related to Services provided by Consultant.
9. **REPORTS:** In connection with the performance of the Services, Consultant shall deliver to Client reports, drawings, specifications, computer files, field data, notes, and other documents and instruments prepared by the Consultant reflecting Services provided and the results of such Services. All reports and written documents delivered to Client ("Instruments of Service") are instruments reflecting the Services provided by Consultant pursuant to this Agreement and are made available for Client's use subject to the limitations of this Agreement. Instruments of Service provided by Consultant to Client pursuant to this Agreement are provided for the exclusive use of Client, and with Client's permission, Client's contractors, designers and employees for the purpose and the Project described therein and are not to be used or relied upon by third parties or in connection with other projects. Subject to the permitted use of Client, and Client's agents, and employees, all Instruments of Service, other written documents, all original data gathered by Consultant and work papers produced by Consultant in the performance of or intrinsic to the Services included in the Services are, and shall remain, the sole and exclusive property of Consultant. Files shall be maintained in general accordance with Consultant's document retention policies and practices.
10. **SAFETY:** Consultant is solely responsible for the safety and health of Consultant's employees. Consultant shall take necessary precautions for the safety of its employees. Consultant specifically disclaims any authority or responsibility for general job safety and for the safety of persons who are not employed by Consultant. Should Client, or third parties, be conducting activities on the Site, then each shall have responsibility for their own safety and compliance with applicable safety requirements.
11. **SAMPLES:** Unless otherwise requested, test specimens or samples will be disposed of immediately upon completion of tests and analysis. Upon written request, Consultant will retain samples for an agreed to duration and for a mutually acceptable storage charge. In the event that samples contain or may contain hazardous materials, Consultant shall, after completion of testing and at Client's expense, return such samples to Client or make samples available for disposal by Client's agent. Client recognizes and agrees that Consultant is acting as a bailee and at no time assumes title to said samples.
12. **HAZARDOUS MATERIALS:** Nothing contained within this agreement shall be construed or interpreted as requiring Consultant to assume the status of an owner, operator, generator, storer, transporter, treater or disposal facility as those terms appear within RCRA or within any Federal or State statute or regulation governing the generation, transportation, treatment, storage and disposal of pollutants. Client assumes full responsibility for compliance with the provisions of RCRA and any other Federal or State statute or regulation governing the handling, treatment, storage and disposal of pollutants.
13. **CLIENT OBLIGATIONS:**
- (a) Client warrants that all information provided to Consultant regarding the Project and Project location are complete and accurate to the best of Client's knowledge.
  - (b) Client agrees to furnish Consultant, its agents, employees, and subcontractors a right-of-entry and any authorizations needed for Consultant to enter onto the project site to perform the Services included in this Agreement.
  - (c) Client recognizes that the performance of the Services included in this Agreement may cause alteration or damage to the Site. Client acknowledges that some site disturbance is inherent in the work for which Consultant will not be responsible. Should Client not be owner of the property, then Client agrees to notify the owner of the aforementioned possibility of unavoidable alteration and damage and arrange for the repair of any alteration and damage.
  - (d) Client agrees to disclose the identity of all utilities serving the Project Site, the presence and accurate location of hidden or obscured man-made objects known to Client that may be in Consultant's work area and the nature and location of any known or suspected hazardous materials that may exist on the property.

(e) Our job site activities do not change any agreement between Client and any other party. Only Client has the right to reject or stop work of its contractors or agents. Our presence on site does not in any way guarantee the completion, quality or performance of the work by any other party retained by Client to provide field or construction/remediation services. We are not responsible for, and do not have control or charge of, the specific means, methods, techniques, sequences or procedures of construction or remediation selected by any contractor or agent of Client.

(f) Provide prompt written notice to CONSULTANT if CLIENT becomes aware of any fault or problem in the PROJECT, including any errors or omissions in CONSULTANT'S work.

14. **CERTIFICATIONS**: Client agrees not to require that Consultant execute any certification with regard to work performed, tested or observed under this Agreement unless: 1) Consultant believes that it has performed sufficient work to provide a sufficient basis to issue the certification; 2) Consultant believes that the work performed, tested or observed meets the criteria of the certification; and 3) Consultant has reviewed and approved in writing the exact form of such certification prior to execution of this Agreement. Any certification by Consultant is limited to an expression of professional opinion based upon the Services performed by the Consultant, and does not constitute a warranty or guarantee, either expressed or implied.
15. **FAILURE TO FOLLOW RECOMMENDATIONS**: The Client agrees that it would be unfair to hold the Consultant liable for problems that may occur if the Consultant's recommendations are not followed. Accordingly, the Client waives any claim against the Consultant, and agrees to indemnify, and hold harmless the Consultant from any claim or liability for injury or loss that results from failure to implement the Consultant's recommendations or from implementation of the Consultant's recommendations in a manner that is not in strict accordance with them.
16. **TERMINATION**:  
For Convenience - Upon written notice, Client or Consultant may terminate the performance of any further Services included in this Agreement if the terminating party determines termination is in the terminating party's interest. Upon receipt of a termination notice by either party, Consultant shall stop work on all Services included in this Agreement and deliver any Instruments of Service complete at that time to Client and Client shall pay Consultant within thirty (30) days for all Services performed up to the dispatch or receipt of the termination notice. Upon Termination for Convenience, Consultant and Client shall have no further rights or remedies other than those included in this paragraph.
- For Cause - In the event of material breach of this Agreement, the party not breaching the Agreement may terminate it upon five (5) business days written notice delivered or mailed to the other party, which notice must identify the material breach. The Agreement may not be terminated for cause if the breaching party cures the breach within five (5) business days of receipt of the written notice. Upon Termination for Cause, Consultant shall stop work on all Services included in this Agreement and deliver any instruments of service complete at that time to Client and Client shall pay Consultant within thirty (30) days for all Services performed up to the termination. Upon Termination for Cause, Consultant and Client shall have no further rights or remedies other than those included in this paragraph.
17. **UNFORESEEN CONDITIONS OR OCCURRENCES**: If, during the performance of Services, any unforeseen hazardous substance, material, element or constituent or other unforeseen conditions or occurrences are encountered which, in Consultant's judgment, significantly affects or may affect the Services, the risk involved in providing the Services, or the recommended Scope of Services, Consultant will promptly notify Client. Subsequent to that notification, Consultant may: (a) If practicable, in Consultant's judgment and with approval of Client, complete the original Scope of Services in accordance with the procedures originally intended in the Proposal; (b) Agree with Client to modify the Scope of Services and the estimate of charges to include the previously unforeseen conditions or occurrences, such revision to be in writing and signed by the parties and incorporated into this Agreement; or (c) Terminate the Services effective on the date of notification pursuant to the terms of TERMINATION FOR CONVENIENCE. Client is responsible for reporting any releases of hazardous substances to appropriate government agencies as required by law. Client acknowledges that Consultant also may have reporting obligations under controlling law and regulations. Client waives any claim against Consultant and will indemnify and hold Consultant harmless from any claim, injury or loss arising from the discovery of unforeseen hazardous substances.
18. **FORCE MAJEURE**: Consultant shall not be deemed to be in default of this Agreement to the extent that any delay or failure in the performance of the Scope of Work results from any causes beyond its reasonable control.

For this purpose, such acts or events shall include, but are not limited to, storms, floods, unusually severe weather, epidemics, civil disturbances, war, riot, strikes, lockouts or other industrial disturbances, and the inability within reasonable diligence to supply personnel, equipment, information or material to the Project. In the event that such acts or events occur, it is agreed that Consultant shall attempt to overcome all difficulties arising and to resume as soon as reasonably possible the normal pursuit of the Services covered by this Agreement.

19. **INSURANCE:** Consultant shall maintain at its own expense, during the term of this Agreement, the following insurance: (1) Workers' Compensation providing statutory coverages required by the state where services are provided, (2) Employer's Liability with limits of \$1,000,000 each accident, (3) Commercial General Liability with limits of \$1,000,000 each occurrence / \$2,000,000 aggregate, (4) Commercial Automobile with limits of \$1,000,000 each accident, (5) Umbrella Excess Liability with limits of \$5,000,000 each occurrence and (6) Professional Liability with limits of \$5,000,000 each claim.
20. **INDEMNITY:** Client agrees to indemnify Consultant, its employees and subcontractors from and against any and all losses, liabilities, and costs and expenses of every kind (including cost of defense, investigation, settlement, and reasonable attorney's fees), which Consultant, its employees and subcontractors may incur, become responsible for, or pay out as a result of bodily injuries (including death) to any person, damage to any property, or both, to the extent caused by Client's negligence or willful misconduct. Consultant agrees to indemnify Client from and against any and all losses, liabilities, and costs and expenses of every kind (including cost of defense, investigation, settlement, and reasonable attorney's fees) which Client may incur, become responsible for, or pay out as a result of bodily injuries (including death) to any person, damage to any property, or both, to the extent caused by Consultant's negligence or willful misconduct. Client and Consultant shall, in the event of liability arising out of their joint negligence or willful misconduct indemnify each other in proportion to their relative degree of fault. In the event that Client or Client's principal shall bring any suit, cause of action, claim or counterclaim against Consultant, the Client and the party initiating such action shall pay to Consultant the costs and expenses incurred by Consultant to investigate, answer and defend it, including reasonable attorney's and witness fees and court costs to the extent that Consultant shall prevail in such suit.
21. **DISPUTE RESOLUTION:** Consultant may, in Consultant's sole discretion, pursue collection of past due invoices by litigation in a court of competent jurisdiction. Other than Consultant's collection of past due invoices, if a dispute arises out of or relates to this contract, or the breach thereof, the parties will attempt to settle the matter through amicable discussion. If no agreement can be reached, the parties agree to use non-binding mediation before resorting to a judicial forum. The cost of a third party mediator will be shared equally by the parties. In the event of litigation, reasonable costs and attorneys' fees will be awarded to the prevailing party. All questions as to the interpretation or enforceability of this Agreement shall be governed in accordance with the laws of the state where the project is located. In the event of any litigation involving this Agreement or the performance by the parties thereto, such actions shall be brought in a court of competent jurisdiction in the state where the project is located. Notwithstanding the foregoing, Client shall not be entitled to assert a Claim against Consultant based on any theory of professional negligence unless and until Client has obtained the written opinion from a registered, independent, and reputable engineer, architect, or geologist that Consultant has violated the standard of care applicable to Consultant's performance of the Services.
22. **ASSIGNMENT AND SUBCONTRACTS:** Neither party may assign this Agreement, in whole or in part, without the prior written consent of the other party, except for an assignment of proceeds for financing purposes. Consultant may subcontract for the Services of others without obtaining Client's consent if Consultant deems it necessary or desirable to have others perform Services.
23. **NO WAIVER:** No waiver by either party of any default by the other party in the performance of any provision of this Agreement shall operate as or be construed as a waiver of any future default, whether like or different in character.
24. **MISCELLANEOUS:** The validity, interpretation, and performance of this Agreement shall be governed by and construed in accordance with the laws of the state where project is located. This Agreement represents the entire understanding and agreement between the parties hereto relating to the Services and supersedes any and all prior negotiations, discussions, and Agreements, whether written or oral, between the parties regarding same. No amendment or modification to this Agreement or any waiver of any provisions hereof shall be effective unless in writing, signed by both Parties. If any part of this subcontract is found to be unenforceable, then the parties' intent is to have such part rewritten to attain as close as possible the original intent of the unenforceable provision.

25. **TIME BAR:** Notwithstanding any applicable state statute of repose or statute of limitation, the Parties agree that all legal actions by either party against the other concerning this Agreement or the work performed in relation to this Agreement, will become barred two (2) years from the time the party knew or should have known of the claim, or two (2) years after completion of Consultant's services, whichever occurs earlier.
26. **NO DISCRIMINATION:** To the extent applicable, this contractor and subcontractor shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a) and the posting requirement under 29 CFR Part 471, appendix A to subpart A. These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status or disability.

CONSULTANT HEREBY ADVISES CLIENT THAT ITS PERFORMANCE OF THIS AGREEMENT IS EXPRESSLY CONDITIONED ON CLIENT'S ASSENT TO THE TERMS AND CONDITIONS DETAILED HEREIN.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their duly authorized representative.

CLIENT: Bald Head Island Transportation Authority S&ME, Inc.

BY: *Susan W. Babon* BY: *Edmund Weloszycki*  
(Signature) (Signature)

Susan W. Babon / Chair Edmund Weloszycki, Jr. / Principal Scientist  
(Print Name / Title) (Print Name / Title)

DATE: 12/19/2018 DATE: 12/21/18

PROPOSAL NUMBER: 43-1800970 Rev 1

Client's DIGITAL signature to be treated as original signature

AS-071  
 Rev - 4-9-2017d

This instrument has been preaudited in the manner required by the Local Government Budget and Fiscal Control Act:

Finance Director: *Delva M. Straub* Date: 12-20-18

## Claudia B Irvin

---

**From:** btsmith@triad.rr.com  
**Sent:** Monday, February 04, 2019 9:14 AM  
**To:** Claudia B Irvin  
**Subject:** Re: FW: Deep Point and Bald Head Island Phase I ESAs

Claudia: Sorry for the delay! I am in a spot without a printer! I will figure out how to get it printed and back to you, but, we don't know of anything significant that would be indicated in the survey! Thanks Brad

Sent from myMail for iOS

Friday, February 1, 2019, 12:25 PM -0500 from Claudia B Irvin <CIrvin@smeinc.com>:

2-1-2019

Brad –

I am working on completing these reports for you guys and noticed I did not get the User Questionnaires back when you signed the contracts. Can you please complete the attached questionnaires to the best of your knowledge for each of the sites (Deep Point Marina, Bald Head Island)?

Thanks,

---

### Claudia B. Irvin

Environmental Professional



S&ME  
3201 Spring Forest Road  
Raleigh, NC 27616 [map](#)

O: 919.872.2660  
M: 919.906.4867  
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**From:** Claudia B Irvin  
**Sent:** Friday, January 25, 2019 10:49 PM  
**To:** 'btsmith@triad.rr.com' <[btsmith@triad.rr.com](mailto:btsmith@triad.rr.com)>  
**Subject:** Deep Point and Bald Head Island Phase I ESAs

Brad –

I am working on completing these reports for you guys and noticed I did not get the User Questionnaires back when you signed the contracts. Can you please complete the attached questionnaires to the best of your knowledge for each of the sites (Deep Point Marina, Bald Head Island)?

Thanks,

---

**Claudia B. Irvin**

Environmental Professional



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**Phase I Environmental Site Assessment**  
**Bald Head Island Ferry Terminal**  
Southport, Brunswick County, North Carolina  
S&ME Project No. 4305-19-004



## **Appendix VIII – Qualifications of Environmental Staff Professionals**

**PROJECT ROLE**

Environmental Professional

**LOCATION**

Raleigh, NC

**EDUCATION**

- BS, Civil Engineering, 1989, Louisiana State University

**YEARS OF EXPERIENCE**

Joined S&ME in 2010 with over 12 years of environmental project experience and 5 years of civil site development project experience.

**REGISTRATIONS**

- Engineer In Training (EIT)
- NCCE Certified Stormwater BMP Inspection & Maintenance Professional, 2014 (#2226)
- OSHA 40-Hour Hazwoper Training and 8-Hour Annual Refresher

## Claudia B. Irvin, EIT

### Environmental Professional

Ms. Irvin is a Project Professional for S&ME's Raleigh Office. Ms. Irvin has over 20 years of experience in the fields of environmental consulting and civil site design, with particular focus on due diligence; compliance auditing; landfill operations; NPDES industrial discharge permitting and reporting; stormwater management services - SWPPP Plan development, monitoring, training, e-DMR reporting, and permitting; SPCC Plan Development and training; Phase I and II Environmental Site Assessments; and environmental compliance auditing.

### Environmental Assessment Services for Numerous Commercial, Industrial and Undeveloped Sites North Carolina, South Carolina, Virginia

Staff Professional responsible for environmental evaluations for real estate transactions. Type of sites included undeveloped, proposed school sites, existing church facilities, vacant industrial automotive repair facilities, concrete batch plants, urban downtown areas, agricultural sites, proposed solar farms, recycling facilities, natural gas regulator sites, cellular tower sites, transfer stations, and proposed residential developments. Clients include Vantage South, Rush Enterprises, PSNC, WRS Realty, TT&E Iron & Metals, Verizon, Eagle Transport, Westinghouse Electric, Fleet Feet, Carolina Classic Manufacturing, Durham Housing Authority, Project tasks included regulatory file reviews, historical land use/ownership research, review and interpretation of historical aerial photographs, site reconnaissance, coordination of resulting soil and groundwater assessments and report preparation.

### Environmental Compliance Inspections, Permitting, Planning and Inspections for Industrial and Commercial Facilities North Carolina

Staff Professional responsible for the preparation of Stormwater Pollution Prevention Plans; Spill Prevention Control and Countermeasures Plans; conducting required regular site inspections; preparation of monthly, quarterly, and annual monitoring reports; preparation of required inspection reports; preparation and the presentation of annual training, and permit submittals for industrial clients, such as Mallinckrodt LLC, a pharmaceutical manufacturer; TT&E Iron and Metals, a metal recycling facility; Superior Essex Communications, a communications cable manufacturer; CRTS Inc., a tractor trailer sales and service company; and, Dupont Teijin Films, a manufacturer of plastic products.

### Edgecombe County Landfill Tarboro, North Carolina

Staff Professional responsible for the re-permitting of the Transfer Station, assisting in the re-permitting of the Construction and Demolition Landfill, including public notification activities, assisting with the management of the construction and coordination of the landfill gas to energy system, and the solid waste compliance activities at the facility.



#### PROJECT ROLE

Principal Scientist / Project Manager

#### LOCATION

Raleigh, NC

#### EDUCATION

- MS, Marine, Earth and Atmospheric Sciences, NC State University, 1990
- BS, Marine Biology, College of Charleston, 1985

#### YEARS OF EXPERIENCE

Joined S&ME in 1990 with one year of experience in analytical chemistry

#### REGISTRATIONS

Registered Environmental Manager (REM), National Registry of Environmental Professionals, # 7552

#### PROFESSIONAL MEMBERSHIPS

- National Registry of Environmental Professionals
- The Society of American Military Engineers
- NC Manufactures Alliance

## Edmund Woloszyn, Jr.

### Principal Scientist/Project Manager

Mr. Woloszyn is a Principal Scientist/Project Manager at S&ME's Raleigh, North Carolina location. He offers 28 years of experience in environmental science and project management, including soil and groundwater assessments under RCRA/CERCLA, compliance auditing, feasibility studies, corrective measures studies, solid waste management; soil, groundwater, surface water assessment, and stormwater management services. He is also versed in statistical analysis of environmental data.

### Key Projects and Assignments

#### *Environmental Policy Act Projects*

#### **Former Barbour Boat Works Site, a North Carolina 2011 ACEC Award Winning Project**

##### **New Bern, North Carolina | 1999-present**

Mr. Woloszyn managed a team of professionals (engineers, geologists, and scientists) for a North Carolina Voluntary Remediation Program at the former Barbour Boat Works site located in New Bern, North Carolina for the North Carolina Department of Cultural Resources. Prior to the state committing funds for the redevelopment of the site as the North Carolina History Center, S&ME completed an Environmental Assessment under the State Environmental Policy Act (SEPA) where the signing agency was the North Carolina Department of Cultural Resources. A Finding of No Significant Impact (FONSI) was obtained for the project without comments from other federal or state agencies or from the public.

Responsible for regulatory negotiations with NCDENR, Army Corps of Engineers and CAMA officials, technical compliance with NCDENR remedial action guidelines, data analysis and reporting. He developed field work scope of services for assessing soil, groundwater, surface water and river sediments. Mr. Woloszyn managed and implemented corrective actions for soil and groundwater and completed a benthic invertebrate population study coupled with an ecological risk assessment. The findings of the population and ecological risk assessment provided evidence that remediation of the Trent River sediments was not required for the Former Barbour Boat Works site.

#### **USS North Carolina Battleship Hull Repair Wilmington, North Carolina**

Project manager for a multi-disciplinary team of technical expertise, including geotechnical engineering and subsurface exploration of the ship's mooring slip, wetland delineation, seasonal high water determination, Coastal Zone Management's CAMA Major Permit, an Environmental Assessment under SEPA, materials testing for welding quality control, and a hazardous materials assessment for the presence of asbestos and lead-paint.



## **DOT Projects**

### **CSX Rail Corridor, North Carolina**

S&ME performed limited soil sampling along the CSX rail corridor from milepost 105 (west of Vaughn) eastward to milepost 97.8 (into Littleton, Halifax County). This is a length of approximately 38,000 feet. With 135 sample results, an analysis of variance (ANOVA) was used to evaluate if a significant difference in background concentrations in soil for lead and arsenic to that of arsenic and lead concentrations along the railroad corridor. Evidence of a significant difference at the 95% confidence level was found where lead and arsenic concentrations in the rail corridor were higher than background soil concentrations. NCDOT used these data in consideration of purchasing the rail corridor from CSX as part of their due diligence process.

## ***Federally Funded Projects***

### **U.S. Navy's Marine Corps Base Camp Lejeune**

#### **Jacksonville, North Carolina | 2005-2008**

S&ME's program manager of a NAVFAC Indefinite Quantity Contract to provide environmental, geotechnical and construction materials services including: Task Order 1 - Waste Water Sludge Sampling; Task Order 2 -New River Estuarine Wetlands Restoration; Task Order 3 – Toxic Pollutant Modeling and Permitting for the entire base; Task Order 4 – Archeological Survey of Air Landing Field; Task Order 5 – Air permit application of the development of the U.S. Marine Corps Forces Special Operations Command (MARSOC) complex; and Task Order 6 – Soil permeability testing for Stormwater Best Management Practices assessment.

## ***State Funded Projects***

### **North Carolina Superfund Section**

#### **North Carolina | 2000-2003, 2010-2016**

Program Manager of a \$2.1 million, three and half year contract with the North Carolina Superfund Section to evaluate 306 old or abandoned landfill sites located in eastern North Carolina. Develops protocols for field assessment, public record review, data management and reporting. Coordinates field studies and reporting schedules and budgets. Develops the scope of services for Phase II ESA studies on selected sites. Provides consulting services for Priority Sites for the Inactive Hazardous Site.

From 2010-2016, Mr. Woloszyn managed 84 separate projects ranging from soil assessment / soil remediation projects, groundwater assessments, and a stream restoration at an old battery casing disposal site (lead-contaminated soil, groundwater and surface water). Project manager for the Stony Hill Road site Soil Vapor Assessment and Vapor Intrusion Evaluation. Mr. Woloszyn also developed plans and specifications, followed by contract management of remediation subcontractors for soil removal of lead-contaminated site and sites with volatile and semi-volatile organic chemical contamination.



### **North Carolina Department of Cultural Resources**

#### **New Bern, North Carolina | 1999-present**

Manages a multidisciplinary team of professionals (engineers, geologists, scientists) for a North Carolina Voluntary Remediation Program at the former Barbour Boat Works site located in New Bern, North Carolina for the North Carolina Department of Cultural Resources. This State Superfund Site is regulated and overseen by the North Carolina Superfund Section. Responsible for regulatory negotiations with NCDENR, Army Corps of Engineers and CAMA officials, technical compliance with NCDENR remedial action guidelines, data analysis and reporting. Develops field work scope of services for assessing soil, groundwater, surface water and river sediments. Manages and implements corrective actions for soil and groundwater.

### **East Carolina University**

#### **Greenville, North Carolina | 2010-present**

Manages and provides quality assurance for the development of seven East Carolina University's Dental School Learning Centers located in rural areas throughout North Carolina. Services provided include environmental due diligence, including All Appropriate Inquiry, soil and groundwater assessments, soil vapor assessments, soil vapor intrusion mitigation design, and wetland delineation. Mr. Woloszyn also oversees construction QA/QC for the installation of a vapor barrier/vent system, and provides project management of a team of engineers for geotechnical evaluations, special inspections, and construction and materials testing, including non-destructive testing (NDT).

### ***Other Environmental Experience (PHASE I/II ETC)***

#### **K-12 Schools throughout North Carolina**

##### **Multiple Sites, North Carolina | 1998-present**

Performs Indoor Air Quality studies at several school buildings (sick building syndrome) identifying possible health-related problems. These studies include bioaerosol sampling (molds and bacteria), bulk sampling of molds, respirable particulates, volatile organic compound analysis, HV/AC inspections, client interviews, and general office environmental condition reviews.

#### **SPCC Plans and NPDES Storm Water Compliance Programs Multiple Sites,**

##### **North Carolina | 2005-present**

Develops SPCC plans under the supervision of Professional Engineers; develops NPDES storm water pollution programs for industrial facilities in North Carolina, including: Superior Essex Communications, LLC, Tarboro, NC; Steel Technologies, Inc., Clinton, NC; DuPont Teijin Films, Fayetteville, NC and DAK Americas, LLC, Fayetteville, NC.

#### **CF Industries Former Ammonia-Nitrate Plant**

##### **Cofield, North Carolina | 1994-present**

Project Manager for an EPA Superfund Expanded Site Investigation and Remedial Action Plan for a 157-acre former fertilizer production facility which is a North Carolina Listed Priority Site (formerly a EPA Region IV CERCLIS site). Mr. Woloszyn



also assisted in negotiations for a Special Order on Consent issued by the North Carolina Environmental Management Commission. Managed the development of plans and specifications for a 30 million-gallon per year groundwater recovery system for the purpose of land applying nitrogen-enriched groundwater as fertilizer to local farmers. Mr. Woloszyn continues to oversee and manage an on-going groundwater remediation system where recovered nitrogen-contaminated groundwater is land applied to agricultural fields as a Class A fertilizer.

### **DuPont Teijin Films**

#### **Fayetteville, North Carolina | 1994-present**

Project Manager for the bio-remediation of Dowtherm A® (phenyl ether and biphenyl) in groundwater at an industrial manufacturing company in Fayetteville, North Carolina. This project included a pilot study that consisted of aerobic and anaerobic degradation mesocosm study of Dowtherm A® using indigenous microbes collected from the site and a soil-vapor extraction/air sparge pilot study at the site. Conducted a toxicological assessment of biphenyl and chloroethane to establish an interim maximum allowable concentration standard for the North Carolina Ground Water Quality Standard. The Division of Environmental Management accepted the proposed standards for biphenyl and chloroethane of 0.350 mg/L and 2.80 mg/L, respectively. These newly established ground water standards assisted a large industrial client in a groundwater remediation project through significant economic benefits.

Managed an engineering team on the design of a biosparge remediation system that was based on the results of the pilot study. Managed the installation of the biosparge remediation system and maintained the system on a monthly basis. This system has prevented the migration of the dissolved phase of Dowtherm A® constituents from leaving the property.

### **Municipal Landfills**

#### **Multiple Locations, North Carolina | 1996-present**

Conducts statistical analyses of groundwater quality data of municipal landfills in North Carolina and South Carolina. Responsibilities include database management and parametric and non-parametric statistical procedures following EPA's Statistical Analyses of Ground-Water Monitoring Data at RCRA Facilities, 1989 and 1992 Addendum.

Project Manager for conducting air toxics emission inventories for hospitals, schools, textile and commercial facilities in North Carolina. Site visits were conducted to identify emission points and toxic chemicals that were being emitted, and to calculate the annual emission rates (1993 to 1995).

Develops NPDES Stormwater permits for industrial and textile clients throughout North Carolina. Designs and implements training courses for staff on NPDES stormwater sampling protocol and program management. Identifies necessary parameters required for individual NPDES stormwater permit applications (1994 to present).



## Continuing Education

- Topics in Advanced Risk Assessment: Environmental Educational Enterprises.
- Air Quality course for the Clean Air Act Amendments of 1990:
- North Carolina State University Industrial Extension Service, College of Engineering.
- RCRA Regulations Course, Government Institutes, Inc.
- CERCLA/Superfund Laws and Regulations Course, Government Institutes, Inc.
- Incremental Sampling Methodology and Design: Interstate Technology Regulatory Council.
- Hazardous Waste Operations and Emergency Response, Health and Safety Training. 40 Hour Course of Introduction. Certificate #9003129.
- Westinghouse Environmental and Geotechnical Services, Inc. Hazardous Waste Operations and Emergency Response, Health and Safety Training. Annual Eight Hour Instruction Update, every year of employment.
- Hazardous Waste Operations and Emergency Response, 8 hour Supervisor (Current).