

**FINAL**  
**PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT**  
**BAYOU ROAD BORROW PITS**  
**1418 AND 1572 BAYOU ROAD**  
**SAINT BERNARD, SAINT BERNARD PARISH, LOUISIANA**

**PREPARED FOR:**

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AES Project Number: 0406-607-02  
Contract Number: W91278-04-D-0044  
Task Order: CZ03

October 13, 2006

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**1.0**  
**EXECUTIVE SUMMARY**

Aerostar Environmental Services, Inc. (AEROSTAR) conducted a Phase I Environmental Site Assessment (ESA) of the Bayou Road Borrow Pits, located at 1418 and 1572 Bayou Road, Saint Bernard, Saint Bernard Parish, Louisiana; hereafter referred to as the subject site. The purpose of this assessment was to identify recognized environmental conditions (RECs) associated with the subject site. A summary of the ESA findings is as follows:

- The subject site consists of two rectangular-shaped tracts of land totaling approximately 31 acres located at 1418 and 1572 Bayou Road, Saint Bernard, Saint Bernard Parish, Louisiana. Access to the subject site is available via gravel driveways originating from Bayou Road to the north. According to the Saint Bernard Parish Assessor's (SBPA) office, the parcels comprising the subject site are owned by Mr. Melvin A. Guerra, Jr. and are identified by parcel identification numbers 639900002115 and 639900002116.
- The subject site parcels, hereafter referred to as Tract A and Tract B, are located at 1418 Bayou Road and 1572 Bayou Road, respectively. Tract A is currently vegetated and undeveloped. Tract B appears to have been previously used as a horse exercising track and is currently wooded and undeveloped. There was no visual evidence to indicate that the properties are currently used for any other purpose. During the site inspection, there was no visual evidence to suggest that hazardous materials were formerly or are currently being used, stored, or disposed of at the subject site. In addition, there was no evidence of stained soil, stressed vegetation, or other conditions of concern. Numerous piles of building debris were observed near the center of Tract B. Stormwater discharges to and from the subject site were not observed at the time of the inspection. No utilities are currently provided to the subject site.
- Tract A is an approximate 22-acre parcel of land that is bordered by a residential property, followed by Bayou Road, to the north; residential and wooded, undeveloped properties, followed by Tract B, to the east; wooded, undeveloped property, followed by an abandoned railroad, to the south; and residential properties, followed by Heights Drive, to the west. Tract B is a 9.5-acre parcel of land that is bordered by wooded and residential properties, followed by Bayou Road, to the north; wooded, undeveloped property to the east; wooded, undeveloped property, followed by an abandoned railroad, to the south; and residential and wooded, undeveloped properties, followed by Tract A, to the west.
- Based on our review of aerial photographs, historical topographic maps, property record cards, and interviews, the subject site and the adjacent properties have been wooded and residential properties since at least 1951. None of the past uses of the subject site appear to have presented an environmental concern. None of the past uses of the parcels adjoining the subject site appear likely to indicate recognized environmental conditions in connection with the adjoining parcels or the subject site.
- Sanborn Fire Insurance Maps did not provide coverage for the subject site or vicinity.
- AEROSTAR interviewed Mr. Cary Delegos, subject site owner representative, concerning the past and present land uses of the subject site. According to Mr. Delegos, the portion of the subject site located at 1418/1420 Bayou Road is owned by Mr. Melvin Guerra, Jr. and the portion of the subject

site located at 1572 Bayou Road is owned by Mr. Melvin Guerra, Sr. Mr. Delegos stated that the subject site has been owned by the Guerra family since the 1920s and has been primarily used as farmland. Mr. Delegos also stated that Tract B was used as a horse exercising track for approximately 15 years and is no longer active. He stated that piles of building debris from Hurricane Katrina are temporarily stored on Tract B and will be removed soon. Mr. Delegos has no knowledge of any past or present structures or wells on the site. He also stated that there have been no aboveground storage tanks (ASTs) or underground storage tanks (USTs) on the subject site. Mr. Delegos is not aware of any environmental liens or activity restrictions, or other issues of environmental concern at the subject site.

- Federal, state, and local environmental agency data was reviewed to determine if the potential for recognized environmental conditions exists at or in the vicinity of the site. An environmental database report was prepared by Environmental Data Resources (EDR). No NPL, delisted NPL, CERCLIS, CERCLIS-NFRAP, CORRACTS-TSD, non-CORRACTS TSD, RCRA-GEN, Federal institutional/engineering control registries, ERNS, state-equivalent NPL, state-equivalent CERCLIS, state landfill or solid waste disposal, LUST, VCP or Brownfield facilities were identified within the ASTM-specified search radii for the subject site. One UST facility was identified approximately one quarter mile northeast of Tract B. Based on the information gathered, this UST facility is not suspected of negatively impacting the subject site at this time.

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527, of the Bayou Road Borrow Pits, 1418 and 1572 Bayou Road, Saint Bernard, Louisiana. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject site.

The remainder of this report is organized as follows: Section 2 describes the scope of work and for this report; Section 3 presents a site description; Section 4 presents user provided information; Section 5 presents a records review; Section 6 presents a summary of the site reconnaissance; Section 7 presents a summary of interviews; Section 8 presents a summary of our findings and conclusions; Section 9 presents any deviations from the ASTM standard; Section 10 provides additional services conducted as part of this Phase I ESA; Section 11 presents the references; Section 12 presents the signatures of environmental professionals preparing and reviewing the report; and Section 13 presents the qualifications of the environmental professionals participating in this Phase I ESA. Figures are included in Appendix A. The property record cards and additional information are included in Appendix B. Site photographs are included in Appendix C. Pertinent results of a computerized regulatory agency database search are included in Appendix D. Aerial photographs are included in Appendix E. Interview documentation is included in Appendix F. A list of references is included in Appendix G. The qualifications and resumes of the environmental professionals performing this investigation are included in Appendix H.

## 2.0 INTRODUCTION

### 2.1 Purpose

The primary purpose of this assessment was to conduct an investigation of the subject site and surrounding properties to identify recognized environmental conditions associated with the past or present uses of the subject site and neighboring properties. The term “recognized environmental conditions” means the presence or likely presence of any hazardous substances or petroleum products under conditions that indicate an existing release, past release, or a material threat of a release that could impact the property. This environmental assessment was conducted following the ASTM E 1527-05, “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.” This assessment was also intended to identify potential off-site contaminant sources within the distances set forth in ASTM E 1527-05 guidelines. The accuracy, correctness, and completeness of the environmental assessment is provided with the knowledge of the Comprehensive Response Compensation and Liability Act as set forth in 42 U.S.C. Section 9601 et seq., as amended (“CERCLA”).

Methodology utilized to complete this assessment followed good commercial and customary practice with a goal to identify recognized environmental conditions that would be subject to an enforcement action if brought to the attention of appropriate government agencies.

### 2.2 Scope of Work

The Phase I ESA was conducted in accordance with ASTM Standard E 1527-05, "Standard of Practice for Phase I Environmental Site Assessments: Phase I Environmental Site Assessment Process." The assessment consisted of four tasks: review background information; conduct a property assessment; interview key site personnel and local government officials; and prepare the Phase I ESA report documenting the findings with appropriate recommendations. Specifically, AEROSTAR's environmental site assessment consisted of the following steps:

- Visited the subject site and grounds, made observations, obtained photographic documentation of the site, and interviewed key personnel. The interviews and site inspection were conducted to identify past or current materials handling and operating practices that could result in environmental liabilities or compliance responsibilities under various state and federal environmental statutes.
- Performed a review of readily available aerial photographs, city directories, and Sanborn Fire Insurance Maps to identify past uses of the site.
- Performed a review of state and federal environmental agency databases to identify potential off-site environmental concerns.
- Conducted file reviews at the local regulatory department and/or the Louisiana Department of Environmental Quality (LDEQ), as necessary.
- Reviewed operations, chemical handling, waste management systems, and prior waste handling practices at the subject parcel. Discussed with facility occupants and/or property owners any

complaints, legal proceedings, and violations in which the property may have been involved, as well as specific environmental management policies and communications with regulatory agencies.

The scope of work does not include an evaluation of asbestos-containing building materials, lead based paint, lead in drinking water, regulatory compliance, soil or groundwater sampling and analysis, cultural and historical resources, industrial hygiene, health and safety, ecological resources, indoor air quality, radon, site geotechnics (soils, foundations, site retention, etc.), wetlands, endangered species, or construction materials testing. AEROSTAR can provide these additional services, if requested.

### **2.3 Limitations**

AEROSTAR has prepared this assessment for the Department of the Army, New Orleans District, Corps of Engineers, hereafter, referred to as the Client. AEROSTAR's assessment represents a review of certain information relating to the subject site that was obtained by methods described above and does not include sampling or other monitoring activities at the property. While AEROSTAR has used reasonable care to avoid reliance upon data and information that is inaccurate, AEROSTAR is not able to verify the accuracy or completeness of all data and information available during the investigation. Some of the conclusions in this report would be different if the information upon which they are based is determined to be false, inaccurate or incomplete.

AEROSTAR makes no legal representations whatsoever concerning any matter including, but not limited to, ownership of any property or the interpretation of any law. AEROSTAR further disclaims any obligations to update the report for events taking place after the time during which the assessment was conducted.

This report is not a comprehensive site characterization and should not be construed as such. The opinions presented in this report are based upon the findings derived from a site reconnaissance, a limited review of specified regulatory records and historical sources, and comments made by the interviewees.

Phase I ESAs, by their very nature, are limited. AEROSTAR has endeavored to meet what it believes is the applicable standard of care, and, in doing so, is obliged to advise the Client of Phase I ESA limitations. AEROSTAR believes that providing information about limitations is essential to help the Client identify and thereby manage its risks. Through additional research, these risks can be mitigated - but they cannot be eliminated. AEROSTAR will, upon request, advise the Client of the additional research opportunities available, their impact, and their cost.

As noted above, the Phase I ESA was conducted at the referenced subject site, and this report was prepared for the use solely by the Client. This report shall not be relied upon by or transferred to any other party without the express written authorization of AEROSTAR.

Along with all of the limitations set forth in various sections of the ASTM Standard E 1527-05 protocol, the accuracy and completeness of this report is necessarily limited by the following:

- Historical Data Source Failures. Aerial photographs were not available for review prior to 1983. Sanborn Fire Insurance Maps did not provide coverage for the vicinity of the subject site. The subject site was not listed in the City Directories for New Orleans Suburban Area. City directories for New Orleans Suburban Area did not provide coverage for the subject site or the vicinity. The

historical records researched did not allow the property's history to be traced back to 1940 or to the property's obvious first developed use, whichever came first, which constitutes historical data failure per ASTM Standard E 1527-05 § 8.3.2.3.

- Physical limitations: While a thorough ground reconnaissance was conducted where possible, heavy vegetative ground cover prevented a complete visual inspection of the entire subject site.

#### **2.4 Special Terms and Conditions**

This report, and the information contained herein, shall be the sole property of AEROSTAR until payment of any unpaid balance is made in full. The Client agrees that until payment is made in full, the Client shall not have a proprietary interest in this report or the information contained herein. AEROSTAR shall have the absolute right to request the return of any and all copies of this report submitted to other parties, public or private, on behalf of the Client in the event of nonpayment of outstanding fees by the client pursuant to AEROSTAR's proposal.

#### **2.5 User Reliance**

This report is intended for the sole use of the Department of the Army, New Orleans District, Corps of Engineers. Its contents may not be relied upon by other parties without the explicit written consent of AEROSTAR. This is not a statement of suitability of the property for any use or purpose.

## **3.0 SITE DESCRIPTION**

### **3.1 Location and Legal Description**

The subject site is located at 1418 and 1572 Bayou Road, Saint Bernard, Louisiana, as presented in Figure 1 (Street Site Location Map). The subject site is located within Sections 15,16, and 19, Township 14 South, Range 13 East, as referenced in the "Delacroix, Louisiana" United States Geological Survey (USGS) topographic quadrangle map, presented in Figure 2 (Topographic Site Location Map). Please also refer to the Site Plans presented in Figures 3, Appendix A, and to the property information for the subject site in Appendix B. The property information was obtained by AEROSTAR at the SBPA office.

### **3.2 Subject Site and Vicinity General Characteristics**

At the time of our investigation, the subject site was thickly vegetated and undeveloped. The surrounding parcels were residential and wooded properties. Please refer to the Street Site Location Map in Figure 1, the Topographic Site Location Map in Figure 2, and the Site Map in Figure 3 for additional details.

### **3.3 Current Use of the Subject Site**

On September 25, 2006, an AEROSTAR environmental auditing specialist surveyed the site grounds and adjacent properties. Local geologic and hydrogeologic conditions of the subject site and surrounding areas were observed and documented. The site was investigated for signs of adverse environmental impacts such as stressed vegetation or stained soils. All phases of the site inspection were documented. A detailed site inspection and comprehensive visual inspection was conducted by walking the perimeter and interior of the subject site to document the presence of potential environmental concerns which may include on-going contamination, situations which could rise to contamination, or conditions or practices which would be in violation of Federal, State and Local laws and regulations.

Tract A is currently vegetated and undeveloped. Tract B appears to have been previously used as a horse exercising track and is currently wooded and undeveloped. There was no visual evidence to indicate that the properties are currently used for any other purpose. During the site inspection, there was no visual evidence to suggest that hazardous materials were formerly or are currently being used, stored, or disposed of at the subject site. In addition, there was no evidence of stained soil, stressed vegetation, or other conditions of concern. Numerous piles of building debris were observed near the center of Tract B. Stormwater discharges to and from the subject site were not observed at the time of the inspection.

Photographic documentation of the site inspection is provided in Appendix C.

### **3.4 Structures, Roads, and Other Improvements on the Subject Site**

At the time of our site investigation, there were no improvements or roads at the subject site. An inactive horse exercising track was observed on Tract B during the site inspection. Access to the subject site is available via gravel driveways originating from Bayou Road to the north. No utilities were provided to the subject site.

### 3.5 Current Use of Adjoining Properties

Development of land in the vicinity of the subject site was noted to help identify potential sources of hazardous waste generation and/or facilities involved in the handling or transportation of hazardous materials.

Currently, the parcels adjoining the subject site are used as follows:

<b>Table 1 Description of Adjoining Parcels</b>		
<b>Direction From Subject Property</b>	<b>Address</b>	<b>Description of Current Use</b>
<b>Tract A</b>		
North	1418 Bayou Road	Residential property, followed by Bayou Road
East	Not available	Residential and wooded properties, followed by Tract B
South	Not available	Wooded, undeveloped property, followed by a railroad
West	Not available	Residential properties, followed by Heights Drive
<b>Tract B</b>		
North	1572 Bayou Road	Guerraland Lane Residential properties, followed by Bayou Road
East	Not available	Wooded, undeveloped property
South	Not available	Wooded, undeveloped property, followed by a railroad
West	Not available	Residential and wooded properties, followed by Tract A

None of the current uses of the adjoining properties appear likely to indicate the presence of recognized environmental conditions. A Site Map showing adjacent properties is included in Figure 3.

**4.0**  
**USER PROVIDED INFORMATION**

**4.1 Title Records**

A historical Chain-of-Title Report was not provided to AEROSTAR by the client. According to the SBPA office, the subject site parcels are owned by Mr. Melvin A. Guerra, Jr. Copies of the property information records are provided in Appendix B.

**4.2 Environmental Liens or Activity and Use Limitations**

According to Mr. Cary Delegos, owner representative, there are no environmental liens or activity and use limitations on the subject site.

**4.3 Specialized Knowledge**

The Client did not provide information to AEROSTAR with respect to any specialized knowledge or experience that may pertain to recognized environmental conditions in connection to the subject site.

**4.4 Valuation Reduction for Environmental Issues**

According to information obtained by AEROSTAR from the SBPA office, the assessed values of the subject parcels are listed below. Please refer to Appendix B for the legal description of each parcel.

<b>Parcel Identification Number</b>	<b>Assessed Value</b>
639900002115	\$6,970.00
639900002116	\$1,200.00

**4.5 Owner, Property Manager, and Occupant Information**

The subject site is unoccupied and is currently owned by Mr. Melvin A. Guerra, Jr. No information was provided to AEROSTAR by the property owner or manager that would require additional investigations to be undertaken at the subject site.

**4.6 Other**

The Client did not provide AEROSTAR with any other information pertaining to the subject property, including information from previous assessments.

**5.0  
RECORDS REVIEW**

**5.1 Standard Environmental Record Sources**

As a part of this assessment, we reviewed information sources to obtain existing information pertaining to a release of hazardous substances or petroleum products on or near the subject site. AEROSTAR obtained an ASTM regulatory database search through EDR. A copy of the EDR report is contained in Appendix D. AEROSTAR also reviewed other available standard environmental record sources available at the LDEQ, as needed. The following state and federal sources were consulted during this record review:

<b>TABLE 2 Minimum Search Distances - ASTM E1527-05</b>	
<b>SOURCE</b>	<b>SEARCH DISTANCE</b>
Federal NPL Site List (National Priorities List)	1.0 mile
Federal delisted NPL Site List	0.5 mile
Federal CERCLIS List (Comprehensive Environmental Response Compensation and Liability Act of 1980)	0.5 mile
Federal CERCLIS NFRAP Site List	0.5 mile
Federal RCRA CORRACTS TSD Facilities (Resource Conservation and Recovery Act)	1.0 mile
Federal RCRA Non-CORRACTS TSD Facilities	0.5 mile
Federal RCRA Generators Lists (RCRA-GEN)	Subject site and adjoining parcels
Federal institutional/engineering control registries	Subject site and adjoining parcels
Federal ERNS List (Emergency Response Notification System)	Subject site only
State and Tribal Equivalent NPL Lists	1.0 mile
State and Tribal Equivalent CERCLIS	0.5 mile
State and Tribal Landfill and/or Solid Waste Disposal Site Lists	0.5 mile
State and Tribal leaking storage tank lists (LAST/LUST)	0.5 mile
State and Tribal registered storage tank lists (AST/UST)	Subject site and adjoining parcels
State and Tribal institutional/engineering control registries	Subject site only
State and Tribal voluntary cleanup program (VCP) sites	0.5 mile
State and Tribal Brownfield sites	0.5 mile

Environmental agency information was not found concerning the subject site or the vicinity through the database search and regulatory file review conducted as part of this investigation. Federal, state, and local environmental agency data was reviewed to determine if the potential for recognized environmental conditions exists at or in the vicinity of the site. No NPL, delisted NPL, CERCLIS, CERCLIS-NFRAP, CORRACTS-

TSD, non-CORRACTS TSD, RCRA-GEN, Federal institutional/engineering control registries, ERNS, state-equivalent NPL, state-equivalent CERCLIS, state landfill or solid waste disposal, LUST, VCP or Brownfield facilities were identified within the ASTM-specified search radii for the subject site. One UST facility was identified approximately one-quarter mile northeast of Tract B of the subject site. According to LDEQ records, this facility has not had a release. Based on the information gathered, this UST facility is not suspected of negatively impacting the subject site at this time. Louisiana Inactive and Abandoned Sites List is referenced as the Potential and Confirmed Sites List in the EDR database report. No sites were observed within the one-mile search radius for the subject site. One UST/RCRA-SQG facility was identified within the ASTM-specified search radii for the subject site.

A search of the Louisiana Department of Natural Resources (LDNR) Oil and Gas Wells Database was requested by AEROSTAR from EDR and FirstSearch Technology Corporation; however, the information was not readily available at the time this report was generated. AEROSTAR obtained information regarding oil and gas wells in the area of the subject site from the LDNR SONRIS Geographical Information System (GIS). According to the SONRIS GIS Access, no producing or active oil and gas wells were observed within a one mile radius from the subject site.

In addition to reviewing the database report, AEROSTAR performed reconnaissance of the subject site vicinity to identify any sites not mapped by EDR due to inadequate or inaccurate address information and to look for unregistered facilities. No additional petroleum fueling facilities were observed within a half mile of the subject site during field reconnaissance performed by AEROSTAR.

## **5.2 Additional Environmental Record Sources**

No additional environmental record sources were reviewed as part of this assessment.

## **5.3 Physical Setting Sources**

The Saint Bernard Parish, Louisiana USGS topographic quadrangle maps; the Saint Bernard Parish Soil Survey, dated 1989 and regulatory files available regarding properties of environmental concern in the subject site vicinity were reviewed as sources for obtaining information regarding the physical setting of the subject site and surrounding vicinity.

### **5.3.1 Regional Geology**

St. Bernard Parish located in southeastern Louisiana is approximately 1.3 million acres in size of which 326,400 acres is land and 966,410 acres is large water areas. This parish is mostly rural and is within the broad, coastal marshes of the Gulf of Mexico. St. Bernard Parish is entirely within the Mississippi River Delta. Firm, loamy and clayey soils dominate the natural levees of the Mississippi River and its distributaries. These soils make up about one-tenth of the total land area of the parish and are developed almost entirely for urban uses. An extensive system of man-made levees protects the soils from flooding. The remaining nine-tenths of the land area of the parish consists mainly of ponded and frequently flooded, mucky and clayey soils in marshes and swamps.

### **5.3.2 Topography**

The area of the investigation is located in Sections 15,16, and 19, Township 14 South, Range 13 East, as referenced in the 7.5-minute USGS Topographical Quadrangle Map of "Delacroix, Louisiana." Based on a review of the topographic maps, the subject site appears to have little topographic relief. According to the topographic map, the elevation at the subject site is approximately five feet above the National Geodetic Vertical Datum (NGVD) of 1929.

Surface water bodies were identified on the topographic map in the vicinity of the subject site. The marshlands of Lake Lery is located approximately 1,500 feet south of Tract A and B. Based upon a review of the topographic map, regional shallow groundwater flow in the immediate vicinity of the subject site appears to be towards the south. Actual groundwater flow in the vicinity of the subject property may be locally influenced by seasonal rainfall, proximity to surface bodies of water (lakes, rivers, canals), tidal fluctuations, surface topography, underground structures, soil and bedrock geology, production wells and other factors beyond the scope of this study.

### **5.3.3 Soils/Geology**

The United States Department of Agriculture Soil Conservation Service Soil Survey of Saint Bernard Parish, Map No. 42 was reviewed to identify native soil characteristics in the vicinity of the subject site. According to the survey, the soils in the subject site area are primarily classified as Commerce silt loam, Commerce silty clay loam, and Sharkey clay.

Commerce silt loam is a level, poorly drained soil located on natural levees of the Mississippi and its tributaries. Slope is less than one percent. The surface layer is typically dark grayish brown silt loam about 10 inches thick. The upper part of the subsoil is dark grayish brown silty clay loam and the lower part is dark grayish brown silty clay loam. The subsoil extends to a depth of about 34 inches. The underlying material is grayish brown silt loam to a depth of 60 inches. This soil has high fertility, moderately slow permeability, and slow surface run off. A seasonal high water table fluctuates between a depth of 1.5 to 4 feet during the winter and spring. This soil has moderate shrink-swell potential.

Commerce silty clay loam is a level and somewhat poorly drained soil in intermediate positions on natural levees of the Mississippi River and its distributaries. Slope is less than one percent. Typically, the surface layer is dark gray silty clay loam about 4 inches thick. The subsoil to a depth of about 30 inches is grayish brown silty clay loam. The underlying material to a depth of about 60 inches is grayish brown silt loam in the upper part and gray silty clay loam in the lower part. Adequate water is available to plants in most years. A seasonal high water table fluctuates between depths of about 1.5 and 4 feet from December through April. Permeability is moderately slow. Water runs off the surface slowly. The soil has a moderate shrink-swell potential. Natural fertility is high.

Sharkey clay is a level, poorly drained, and firm mineral soil located in low positions on natural levees of the Mississippi and its tributaries. Slope is less than one percent. The surface layer is typically dark gray and dark grayish brown clay about 8 inches thick. The upper part of the subsoil is gray clay and the lower part is dark gray clay. The underlying material is dark olive gray clay to a depth of 60 inches. This soil has high fertility, slow permeability, and slow surface run off. A seasonal high water table fluctuates between the soil surface and a depth of about two feet during the winter and spring. The surface layer is very hard when dry and very sticky when wet. This soil has a very high shrink-swell potential.

### 5.3.4 Hydrogeology

St. Bernard Parish has a very limited supply of fresh water. Groundwater is produced from three aquifers in St. Bernard Parish. The major aquifers are the St. Bernard Delta 200-foot sand aquifer, the 700-foot sand aquifer, and the 1,200-foot sand aquifer. Due to saltwater intrusion, the parish contains little or no potable water except for occasional lenses of freshwater floating on saltwater. The hydrologic regime of St. Bernard Parish involves the movement of freshwater and saltwater masses through the region as a result of interaction between the Mississippi River discharge, regional precipitation, winds, and tides. The current hydrologic system is influenced by both natural and manmade factors. The basic natural hydrologic system is based on the pattern of major abandoned distributary channels of the ancient Mississippi River delta complex and interdisciplinary basin channels which serve to drain swamps and marshes into estuarine lakes, bays, and sounds.

### 5.4 Historical Use Information on the Property

Based on our review of aerial photographs, city directories, property record cards, and interviews, the subject site has been undeveloped farmland since at least 1951. None of the past uses of the subject site appear to have presented an environmental concern.

#### 5.4.1 Aerial Photograph Review

To evaluate the previous land uses of the subject property and surrounding area, a series of aerial photographs was reviewed. The aerial photographs provide a progressive overview of parcels pertaining to this assessment.

AEROSTAR reviewed aerial photographs from 1983 to 2005, available from the Natural Resource Conservation Service (NCRS) office, Microsoft Terraserver, and the Louisiana Coast website. Reproductions of the aerial photographs from 1983, 1998, and 2005, depicting the approximate property boundaries, are included in Appendix E. Descriptions of AEROSTAR's observations are outlined in Table 3.

<b>TABLE 3</b>			
<b>Summary of Aerial Photograph Observations</b>			
<b>Photograph Number</b>	<b>Photograph Date</b>	<b>Photograph Scale</b>	<b>Remarks</b>
NRCS Soil Survey Map	1983	NA	The subject site appears to be sparsely wooded, farmland. An oval shaped road similar to the inactive horse track is visible on Tract B of the subject site. Residential-type structures are visible to the north, east, and west of the subject site. A railroad is visible south of the subject site.
Microsoft Terraserver	1998	NA	No significant changes appear to have occurred at the subject site or the adjacent properties since the 1983 aerial photograph, except the southern portions of Tract A and Tract B appear to be thickly vegetated and undeveloped.

<b>TABLE 3</b>			
<b>Summary of Aerial Photograph Observations</b>			
<b>Photograph Number</b>	<b>Photograph Date</b>	<b>Photograph Scale</b>	<b>Remarks</b>
LA Coast website	2005	NA	No significant changes appear to have occurred on the subject site or the adjacent properties since the 1998 aerial photograph, except the southern portions of Tract A and Tract B appear to be wooded and undeveloped.

#### **5.4.2 Property Ownership Records**

A chain of title report was not provided to AEROSTAR by the client. According to the St. Bernard Parish Assessor's office, the subject site parcels are owned by Mr. Melvin A. Guerra, Jr. Copies of the property information records are provided in Appendix B.

#### **5.4.3 Sanborn Fire Insurance Map Review**

Sanborn Fire Insurance Maps did not provide coverage for the subject site or vicinity.

#### **5.4.4 City Directory Review**

Historical city directories for the New Orleans Suburban Area were reviewed as part of this investigation. The subject site was not listed in the city directories reviewed. City directories for the New Orleans Suburban Area did not provide coverage for the subject site vicinity.

#### **5.4.5 Land Use Records**

According to information obtained by AEROSTAR from the SBPA office, the subject site is currently zoned agricultural land, suburban land, and brackish marshland.

#### **5.4.6 Other Historical Sources**

A review of the USGS historical topographic quadrangle maps of "Delacroix, Louisiana" from 1951, 1967, 1972, 1979, 1983, and 1994 were reviewed as part of this investigation and are summarized below.

##### 1951 Topographic Map

The subject site tracts are shown to be undeveloped. The adjoining properties are shown to be mixed residential and undeveloped properties.

##### 1967 Topographic Map

No significant changes appear to have occurred at the subject site or the adjacent properties since the 1951 topographic map, except a sewage disposal is shown to be adjacent to Tract A of the subject site. The Southern Railroad is shown south of the subject site.

#### 1972 Topographic Map

No significant changes appear to have occurred at the subject site or the adjacent properties since the 1967 topographic map, except residential-type structures are shown west of Tract A of the subject site.

#### 1979 Topographic Map

No significant changes appear to have occurred at the subject site or the adjacent properties since the 1972 topographic map.

#### 1983 Topographic Map

No significant changes appear to have occurred at the subject site or the adjacent properties since the 1979 topographic map.

#### 1994 Topographic Map

No significant changes appear to have occurred at the subject site or the adjacent properties since the 1983 topographic map, except an oval shaped road is shown on the northern portion of Tract B of the subject site.

### **5.5 Historical Use Information on Adjoining Parcels**

According to a review of aerial photographs and historical topographic maps, the adjacent properties have been predominantly residential and wooded properties since at least 1951. None of the past uses of the parcels adjoining the subject site appear likely to indicate recognized environmental conditions in connection with the adjoining parcels or the subject site.

## 6.0 SITE RECONNAISSANCE

### 6.1 Methodology and Limiting Conditions

On September 25, 2006, a site reconnaissance was completed by Ms. Thalys Rattanaray, Project Engineer, and Ms. Shawna Chandler, Project Manager. The purpose of the site visit was to investigate the current conditions of the subject site and to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the subject site. This visual inspection of the property focused primarily on its surface features. Property use and significant features are indicated on the Site Plan contained in Figure 3.

While a thorough ground reconnaissance was conducted where possible, heavy vegetative ground cover prevented a complete visual inspection of the entire subject site.

Photographic documentation of the site inspection is provided in Appendix C.

### 6.2 General Site Setting

The subject site is located within a primarily residential area on the western portion of Saint Bernard Parish west of the Mississippi River. The subject site and surrounding properties appear to have little topographic relief.

### 6.3 Exterior Observations

During the site reconnaissance, accessible areas of the periphery and interior of the subject site were viewed. The subject site appeared to be thickly vegetated, undeveloped property on the day of our site reconnaissance. Stormwater discharges to and from the subject site were not observed at the time of the inspection.

#### 6.3.1 Hazardous Substances

No evidence of the use, storage, or disposal of hazardous substances or hazardous substance containers was observed on the subject site at the time of site inspection.

#### 6.3.2 Storage Tanks

No evidence of petroleum underground or aboveground storage tanks, including vent pipes, was observed on the subject site at the time of the inspection.

#### 6.3.3 Indications of PCBs

No evidence of PCB-containing equipment was observed at the subject site.

#### 6.3.4 Pits, Ponds, or Lagoons

No pits, ponds, or lagoons were noted at the subject site during the site inspection.

### **6.3.5 Stained Soil or Pavement**

No stained soil was observed at the site during the site inspection.

### **6.3.6 Stressed Vegetation**

No stressed vegetation was noted during the site inspection.

### **6.3.7 Solid Waste**

No indication of solid waste disposal or suspect fill material was noted during the site inspection. Numerous piles of building debris were observed near the center of Tract B.

### **6.3.8 Other Conditions of Concern**

No other concerns were noted at the subject site during the site inspection. No obvious pungent or noxious odors were noted during the site inspection.

## **6.4 Interior Observations**

No structures were observed on the subject site.

### **6.4.1 Hazardous Substances**

No structures were observed on the subject site.

### **6.4.2 Storage Tanks**

No structures were observed on the subject site.

### **6.4.3 Indications of PCBs**

No structures were observed on the subject site.

## **7.0 INTERVIEWS**

Interviews were conducted, either in person or by telephone, with individuals that provided information regarding issues which could have an adverse effect on the environmental status of the subject site. The interviewing process is most extensively used when additional information is needed to determine the details associated with an area of environmental concern (i.e., land use history, occurrence of hazardous waste spills or emergencies, etc.). Copies of interview documentation are included as Appendix F.

Interviews were conducted during this site investigation with Mr. Cary Delegos, representative of the subject site owner; and Chief Leon Lea, Saint Bernard Parish Fire Department.

### **7.1 Interview With Site Owner**

AEROSTAR interviewed Mr. Cary Delegos, subject site owner representative, concerning the past and present land uses of the subject site. According to Mr. Delegos, the portion of the subject site located at 1418/1420 Bayou Road is owned by Mr. Melvin Guerra, Jr. and the portion of the subject site located at 1572 Bayou Road is owned by Mr. Melvin Guerra, Sr. Mr. Delegos stated that the subject site has been owned by the Guerra family since the 1920s and has been primarily used as farmland. Mr. Delegos is unsure if crops were grown on the subject site tracts. Mr. Delegos also stated that Tract B was used as a horse exercising track for approximately 15 years and is no longer active. He stated that piles of building debris from Hurricane Katrina are temporarily stored on Tract B and will be removed soon. Mr. Delegos has no knowledge of any past or present structures or wells on the site. He also stated that there have been no ASTs or USTs on the subject site. Mr. Delegos is not aware of any environmental liens or activity restrictions, or other issues of environmental concern at the subject site.

### **7.2 Interview With Site Manager**

Please refer to Section 7.1.

### **7.3 Interview With Occupants**

The subject site is unoccupied.

### **7.4 Interview with Local Government Officials**

AEROSTAR interviewed Chief Leon Lea, Saint Bernard Parish Fire Department, concerning hazardous material-related responses to the subject site or the surrounding properties. Chief Lea stated that, according to a review of departmental records, there has not been any hazardous material related incidences to the subject site or vicinity.

### **7.5 Interview With Others**

No interviews were conducted with others.

## 8.0 FINDINGS AND CONCLUSIONS

AEROSTAR conducted a Phase I ESA of the Bayou Road Borrow Pits, located at 1418 and 1572 Bayou Road, Saint Bernard, Saint Bernard Parish, Louisiana, the subject site. The purpose of this assessment was to identify RECs associated with the subject site. A summary of the ESA findings is as follows:

- The subject site consists of two rectangular-shaped tracts of land totaling approximately 31 acres located at 1418 and 1572 Bayou Road, Saint Bernard, Saint Bernard Parish, Louisiana. Access to the subject site is available via gravel driveways originating from Bayou Road to the north. According to the SBPA office, the parcels comprising the subject site are owned by Mr. Melvin A. Guerra, Jr. and are identified by parcel identification numbers 639900002115 and 639900002116.
- The subject site parcels, hereafter referred to as Tract A and Tract B, are located at 1418 Bayou Road and 1572 Bayou Road, respectively. Tract A is currently vegetated and undeveloped. Tract B appears to have been previously used as a horse exercising track and is currently wooded and undeveloped. There was no visual evidence to indicate that the properties are currently used for any other purpose. During the site inspection, there was no visual evidence to suggest that hazardous materials were formerly or are currently being used, stored, or disposed of at the subject site. In addition, there was no evidence of stained soil, stressed vegetation, or other conditions of concern. Numerous piles of building debris were observed near the center of Tract B. Stormwater discharges to and from the subject site were not observed at the time of the inspection. No utilities are currently provided to the subject site.
- Tract A is an approximate 22-acre parcel of land that is bordered by a residential property, followed by Bayou Road, to the north; residential and wooded, undeveloped properties, followed by Tract B, to the east; wooded, undeveloped property, followed by an abandoned railroad, to the south; and residential properties, followed by Heights Drive, to the west. Tract B is a 9.5-acre parcel of land that is bordered by wooded and residential properties, followed by Bayou Road, to the north; wooded, undeveloped property to the east; wooded, undeveloped property, followed by an abandoned railroad, to the south; and residential and wooded, undeveloped properties, followed by Tract A, to the west.
- Based on our review of aerial photographs, historical topographic maps, property record cards, and interviews, the subject site and the adjacent properties have been wooded and residential properties since at least 1951. None of the past uses of the subject site appear to have presented an environmental concern. None of the past uses of the parcels adjoining the subject site appear likely to indicate recognized environmental conditions in connection with the adjoining parcels or the subject site.
- Sanborn Fire Insurance Maps did not provide coverage for the subject site or vicinity.
- AEROSTAR interviewed Mr. Cary Delegos, subject site owner representative, concerning the past and present land uses of the subject site. According to Mr. Delegos, the portion of the subject site located at 1418/1420 Bayou Road is owned by Mr. Melvin Guerra, Jr. and the portion of the subject site located at 1572 Bayou Road is owned by Mr. Melvin Guerra, Sr. Mr. Delegos stated that the subject site has been owned by the Guerra family since the 1920s and has been primarily used as farmland. Mr. Delegos also stated that Tract B was used as a horse exercising track for approximately 15 years and is no longer active. He stated that piles of building debris from Hurricane

Katrina are temporarily stored on Tract B and will be removed soon. Mr. Delegos has no knowledge of any past or present structures or wells on the site. He also stated that there have been no ASTs or USTs on the subject site. Mr. Delegos is not aware of any environmental liens or activity restrictions, or other issues of environmental concern at the subject site.

- Federal, state, and local environmental agency data was reviewed to determine if the potential for recognized environmental conditions exists at or in the vicinity of the site. An environmental database report was prepared by EDR. No NPL, delisted NPL, CERCLIS, CERCLIS-NFRAP, CORRACTS-TSD, non-CORRACTS TSD, RCRA-GEN, Federal institutional/engineering control registries, ERNS, state-equivalent NPL, state-equivalent CERCLIS, state landfill or solid waste disposal, LUST, VCP or Brownfield facilities were identified within the ASTM-specified search radii for the subject site. One UST facility was identified approximately one quarter mile northeast of Tract B. Based on the information gathered, this UST facility is not suspected of negatively impacting the subject site at this time.

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527, of the Bayou Road Borrow Pits, 1418 and 1572 Bayou Road, Saint Bernard, Louisiana. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject site.

**9.0**  
**DEVIATIONS**

AEROSTAR prepared this Phase I ESA in accordance with ASTM E 1527-05.

## **10.0 ADDITIONAL SERVICES**

Under the terms of the agreement between the Department of the Army, New Orleans District, Corps of Engineers, and AEROSTAR, no additional services were provided in association with the Phase I ESA. There may be environmental issues or conditions at a site that the Client may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). No implication is intended as to the relative importance of inquiry into such non-scope considerations, and this list of non-scope considerations is not intended to be all inclusive: asbestos-containing materials; radon; lead-based paint; lead in drinking water; wetlands; regulatory compliance; cultural and historical resources; industrial hygiene; health and safety; ecological resources; endangered species; indoor air quality; and high voltage powerlines.

**11.0**  
**REFERENCES**

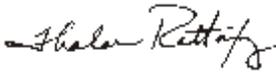
References reviewed during the Phase I ESA are documented in Appendix G.

12.0

SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

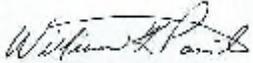
This is to certify the Phase I ESA Report for the **Bayou Road Borrow Pits, located at 1418 and 1572 Bayou Road, Saint Bernard, Saint Bernard Parish, Louisiana**, has been examined by the undersigned.

DATE: October 13, 2006

SIGNATURE: 

Thalax Rattanaxay  
Project Engineer

DATE: October 13, 2006

SIGNATURE: 

William K. Parrish, P.G.  
Senior Project Manager

### 13.0

#### QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

This assessment was completed by Thalass Rattanaxay, Project Engineer, and reviewed by William K. Parrish, P.G. and Tiffany Whitson, Senior Project Manager, all employees of AEROSTAR. We declare that, to the best of our professional knowledge, we meet the definition of environmental professional as defined in § 312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess the property of a nature, history, and setting of the subject site. We have developed and performed the all appropriate inquiries in conformance with the standards set forth on 40 CFR Part 312. Qualifications of personnel participating in this assessment are provided in Appendix H.

## **APPENDICES**

# **APPENDIX A**

## **FIGURES**

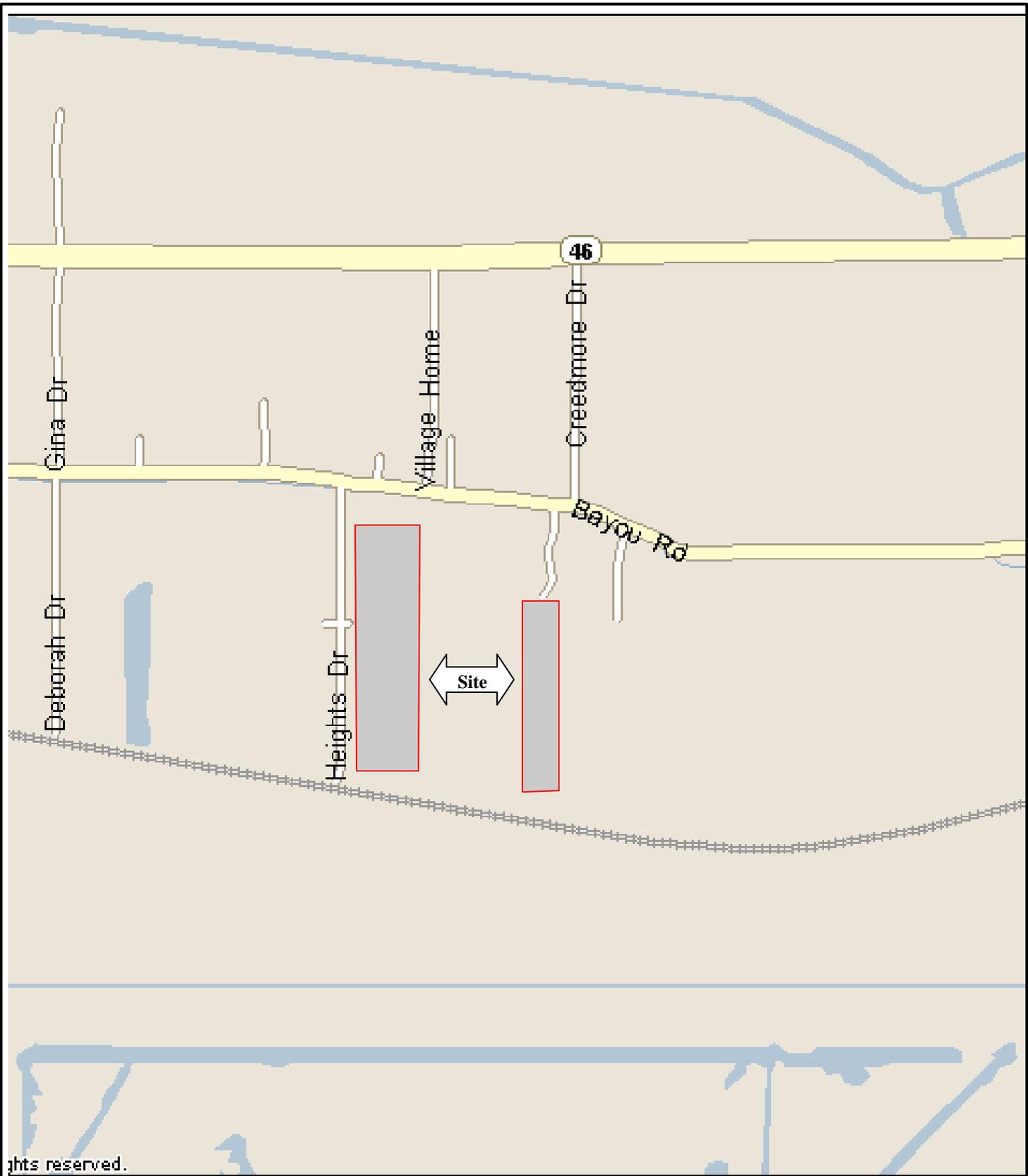


FIGURE - 1 STREET SITE LOCATION MAP



BAYOU ROAD BORROW PITS  
1418 AND 1572 BAYOU ROAD  
SAINT BERNARD, SAINT BERNARD PARISH,  
LOUISIANA

DRAWN BY: TR

REFERENCE: MAP OF  
SAINT BERNARD, LA  
PREPARED BY: THE  
MICROSOFT CORP.



SAINT BERNARD, LOUISIANA  
 QUADRANGLE

7.5 MINUTE SERIES  
 (TOPOGRAPHIC)

CONTOUR INTERVAL 5 FEET

ISSUED 1994

FIGURE 2 - TOPOGRAPHIC SITE LOCATION MAP



BAYOU ROAD BORROW PITS  
 1418 AND 1572 BAYOU ROAD  
 SAINT BERNARD, SAINT BERNARD  
 PARISH, LOUISIANA

DRAWN BY: TR

REFERENCE: MAP OF  
 SAINT BERNARD, LOUISIANA  
 PREPARED BY: U. S.  
 GEOLOGICAL SURVEY

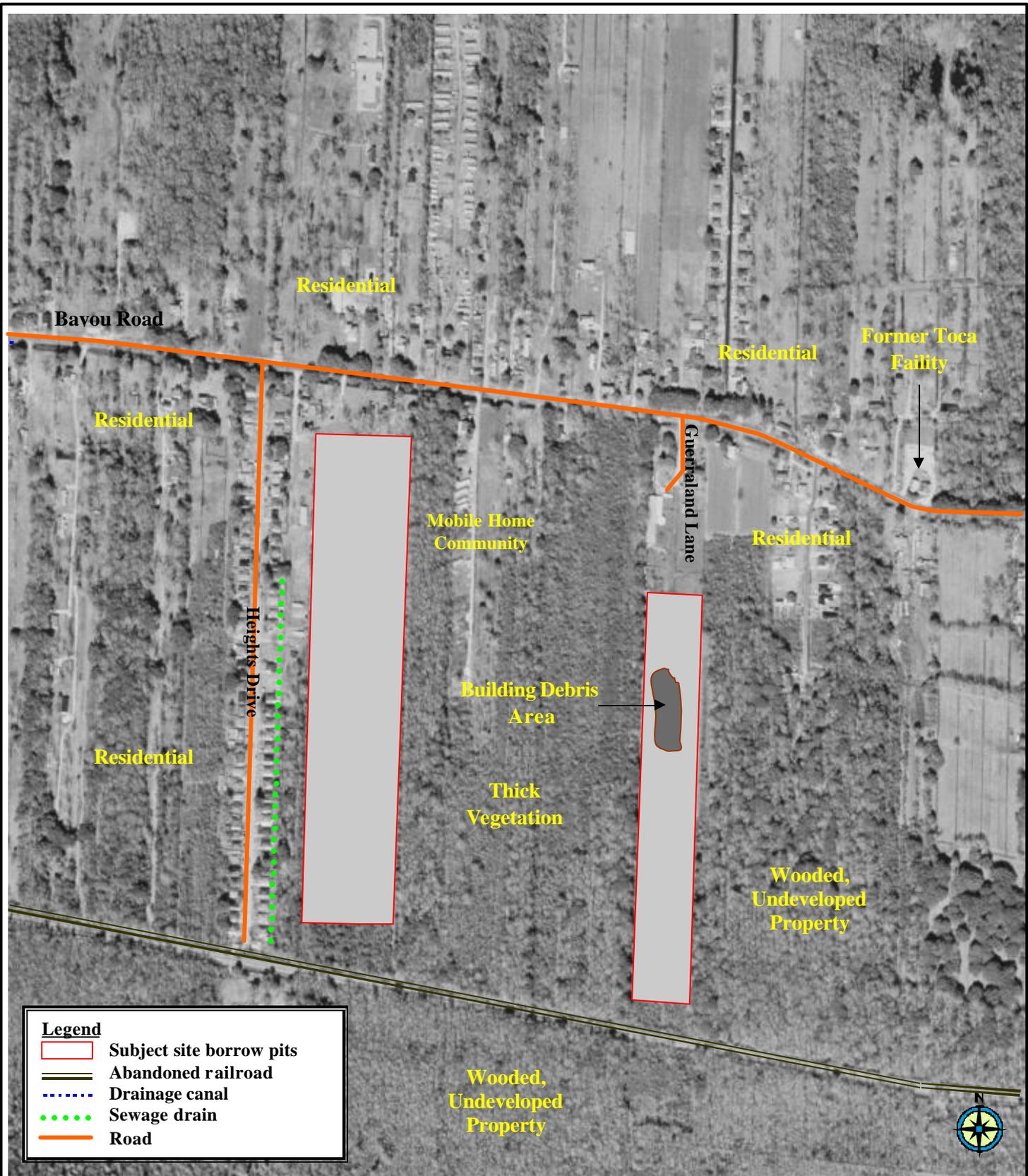


FIGURE - 3 SITE MAP



BAYOU ROAD BORROW PITS  
 1418 AND 1572 BAYOU ROAD  
 SAINT BERNARD, SAINT BERNARD  
 PARISH, LOUISIANA

DRAWN BY: TR

REFERENCE: AERIAL MAP OF  
 SAINT BERNARD, LOUISIANA  
 PROVIDED BY: THE UNITED  
 STATES GEOLOGICAL SURVEY

## **APPENDIX B**

### **PROPERTY INFORMATION RECORDS**

# Louisiana Tax Commission

A Division of the Department of Revenue



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## ST. BERNARD PARISH

STATUS: ACTIVE

<b>TAX</b>	<b>TAX ACCOUNT</b>	<b>ASSESSMENT</b>	<b>TAX AUTHORITY</b>	<b>WARD</b>
2006	0	639900002115	ST. BERNARD PARISH	6

### TAXPAYER INFORMATION

NAME UNAVAILABLE  
1418 BAYOU RD.

### PROPERTY LOCATION

1418 BAYOU RD.  
6399 odd plots

[See other property in your subdivision on this street](#)

ST. BERNARD. LA 70085

### ASSESSED VALUES

HOMESTEAD: YES

### HISTORICAL TAX ABATEMENT:

DESCRIPTION	UNIT	TOTAL	HOMESTEAD	TAXABLE
Agricultural Lands	20.00A	640	640	0
Brackish Marshland	50.00A	200	200	0
City Improvement	1.00I	2,866	2,866	0
Rural Improvements	1.00I	64	64	0
Suburban Land	4.00A	3,200	3,200	0
<b>TOTALS</b>		<b>6,970</b>	<b>6,970</b>	<b>0</b>

### ESTIMATED TAXES

DESCRIPTION	MILLAGE	TOTAL	HOMESTEAD	TAXES DUE
FD2 Fire District #2	8.35M	\$58.19	\$58.19	\$0.00
PW1 Parish Wide	103.29M	\$719.93	\$719.93	\$0.00
<b>TOTALS</b>		<b>\$778.12</b>	<b>\$778.12</b>	<b>\$0.00</b>

### PROPERTY DESCRIPTION

LOTS 1-B & 2 BEING A PORTION OF ST. BERNARD VILLAGE IN SEC. 15 & 16 TS14SR13E -LOT 1-B MEAS. 75' FRT. ON RIGHT DESCENDING SIDE OF BTAB X DEPTH ON LINE OF LOT 1-A OF 206.10' X WIDTH ALONG REAR LINE OF 1-A OF 184.32' X DEPTH TO 40 ARPENT LINE OF AP. 7.607' X WIDTH IN REAR OF 445' X DEPTH TO REAR LINE OF LOT 2 OF APP. 7.626' X WIDTH ALONG REAR LINE OF LOT 2 OF 201.04' X DEPTH TO BTAB OF 203.77' CONT. 74 ACRES (24 AC TO R/R) -LOT 2 MEAS. 167.03' FRT. ON RIGHT DESCENDING SIDE OF BTAB X DEPTH OF 203.77' X WIDTH IN REAR OF 201.04' X OPP. DEPTH OF 200.58' CONT. 36,408.41 SQ. FT.

# Louisiana Tax Commission

A Division of the Department of Revenue

[Home](#) [Search](#)

[Louisiana.gov](#)

## ST. BERNARD PARISH

STATUS: ACTIVE

TAX TAX ACCOUNT

ASSESSMENT

TAX AUTHORITY

WARD

2006 0

639900002116

ST. BERNARD PARISH

6

### TAXPAYER INFORMATION

### PROPERTY LOCATION

NAME UNAVAILABLE  
1418 BAYOU RD.

1418 BAYOU RD.  
6399 odd plots  
See other property in your subdivision on this street

ST. BERNARD, LA 70085

### ASSESSED VALUES

HOMESTEAD: NONE

### HISTORICAL TAX ABATEMENT

DESCRIPTION	UNIT	TOTAL	HOMESTEAD	TAXABLE
Suburban Land	1.00A	1,200	0	1,200
<b>TOTALS</b>		1,200	0	1,200

### ESTIMATED TAXES

DESCRIPTION	MILLAGE	TOTAL	HOMESTEAD	TAXES DEDUCTIBLE
FD2 Fire District #2	8.35M	\$10.02	\$0.00	\$10.02
PW1 Parish Wide	103.29M	\$123.94	\$0.00	\$123.94
<b>TOTALS</b>		\$133.96	\$0.00	\$133.96

### PROPERTY DESCRIPTION

LOT 1-A BEING A PORTION OF ST. BERNARD VILLAGE IN SEC. 15 & 16 TS14SR13E LOT 1-A MEAS. 193.00' FRT. ON RIGHT DESCENDING SIDE OF BTAB X WIDTH IN REAR OF 184.32' X DEPTH OF 209.91' X OPP. SIDE OF 206.10' CONT. 38,303.90 SQ. FT.

**APPENDIX C**  
**SITE PHOTOGRAPHS**



1) View of subject site Tract A, facing south.



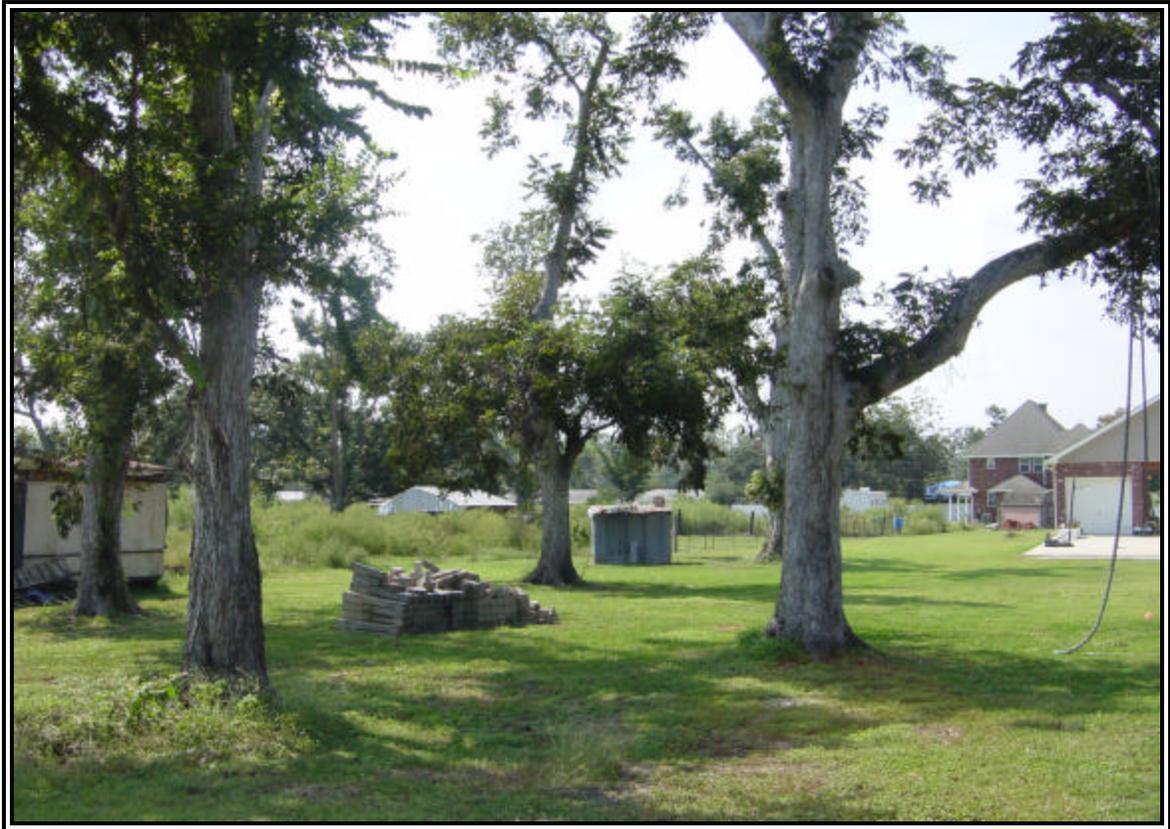
2) View of subject site Tract B, facing south.



3) View of building debris on Tract B, facing northwest.



4) View of building debris on Tract B, facing northeast.



5) View of adjacent property north of Tract A, facing southwest.



6) View of adjacent properties to the north of the Tract B.



7) View of residential property between Tracts A and B, facing south.



8) View of western edge of Tract B and adjacent property to the west, facing south.



9) View of southern edge of Tract A and adjacent property to the south, facing east.



10) View of adjacent properties northwest of the subject site Tract A, facing south.

**APPENDIX D**  
**REGULATORY DATABASE REPORT**



**EDR**® Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Bayou Road Borrow Pits  
1418 Bayou Road  
Saint Bernard, LA 70085**

**Inquiry Number: 1762750.2s**

**September 26, 2006**

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

1418 BAYOU ROAD  
SAINT BERNARD, LA 70085

#### COORDINATES

Latitude (North): 29.864000 - 29° 51' 50.4"  
Longitude (West): 89.856300 - 89° 51' 22.7"  
Universal Transverse Mercator: Zone 16  
UTM X (Meters): 224078.0  
UTM Y (Meters): 3306962.5  
Elevation: 5 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	29089-G7 DELACROIX, LA
Most Recent Revision:	1994
North Map:	29089-H7 MARTELLO CASTLE, LA
Most Recent Revision:	1994
West Map:	29089-G8 BELLE CHASSE, LA
Most Recent Revision:	1994
Northwest Map:	29089-H8 CHALMETTE, LA
Most Recent Revision:	1994

### TARGET PROPERTY SEARCH RESULTS

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

### DATABASES WITH NO MAPPED SITES

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

#### FEDERAL RECORDS

NPL..... National Priority List

## EXECUTIVE SUMMARY

<b>Proposed NPL</b> .....	Proposed National Priority List Sites
<b>Delisted NPL</b> .....	National Priority List Deletions
<b>NPL RECOVERY</b> .....	Federal Superfund Liens
<b>CERCLIS</b> .....	Comprehensive Environmental Response, Compensation, and Liability Information System
<b>CERC-NFRAP</b> .....	CERCLIS No Further Remedial Action Planned
<b>CORRACTS</b> .....	Corrective Action Report
<b>RCRA-TSDF</b> .....	Resource Conservation and Recovery Act Information
<b>RCRA-LQG</b> .....	Resource Conservation and Recovery Act Information
<b>RCRA-SQG</b> .....	Resource Conservation and Recovery Act Information
<b>ERNS</b> .....	Emergency Response Notification System
<b>HMIRS</b> .....	Hazardous Materials Information Reporting System
<b>US ENG CONTROLS</b> .....	Engineering Controls Sites List
<b>US INST CONTROL</b> .....	Sites with Institutional Controls
<b>DOD</b> .....	Department of Defense Sites
<b>FUDS</b> .....	Formerly Used Defense Sites
<b>US BROWNFIELDS</b> .....	A Listing of Brownfields Sites
<b>CONSENT</b> .....	Superfund (CERCLA) Consent Decrees
<b>ROD</b> .....	Records Of Decision
<b>UMTRA</b> .....	Uranium Mill Tailings Sites
<b>ODI</b> .....	Open Dump Inventory
<b>TRIS</b> .....	Toxic Chemical Release Inventory System
<b>TSCA</b> .....	Toxic Substances Control Act
<b>FTTS</b> .....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
<b>SSTS</b> .....	Section 7 Tracking Systems
<b>ICIS</b> .....	Integrated Compliance Information System
<b>PADS</b> .....	PCB Activity Database System
<b>MLTS</b> .....	Material Licensing Tracking System
<b>MINES</b> .....	Mines Master Index File
<b>FINDS</b> .....	Facility Index System/Facility Registry System
<b>RAATS</b> .....	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>SHWS</b> .....	Potential and Confirmed Sites List
<b>SWF/LF</b> .....	Landfill List
<b>SWRCY</b> .....	Recycling Directory
<b>LUST</b> .....	Leaking Underground Storage Tanks
<b>HIST LUST</b> .....	Underground Storage Tank Case History Incidents
<b>LIENS</b> .....	Environmental Liens
<b>SPILLS</b> .....	Emergency Response Section Incidents
<b>AUL</b> .....	Conveyance Notice Listing
<b>VCP</b> .....	Voluntary Remediation Program Sites
<b>DRYCLEANERS</b> .....	Drycleaner Facility Listing

### TRIBAL RECORDS

<b>INDIAN RESERV</b> .....	Indian Reservations
<b>INDIAN LUST</b> .....	Leaking Underground Storage Tanks on Indian Land
<b>INDIAN UST</b> .....	Underground Storage Tanks on Indian Land

### EDR PROPRIETARY RECORDS

<b>Manufactured Gas Plants</b> ...	EDR Proprietary Manufactured Gas Plants
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# EXECUTIVE SUMMARY

## SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.

## STATE AND LOCAL RECORDS

**DEBRIS:** A listing of LDEQ Approved Debris Sites where hurricane debris is dumped.

A review of the DEBRIS list, as provided by EDR, and dated 04/18/2006 has revealed that there is 1 DEBRIS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
OLD ASPHALT PLANT SITE		1/2 - 1 N	2	6

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

A review of the UST list, as provided by EDR, and dated 07/05/2006 has revealed that there is 1 UST site within approximately 0.75 miles of the target property.

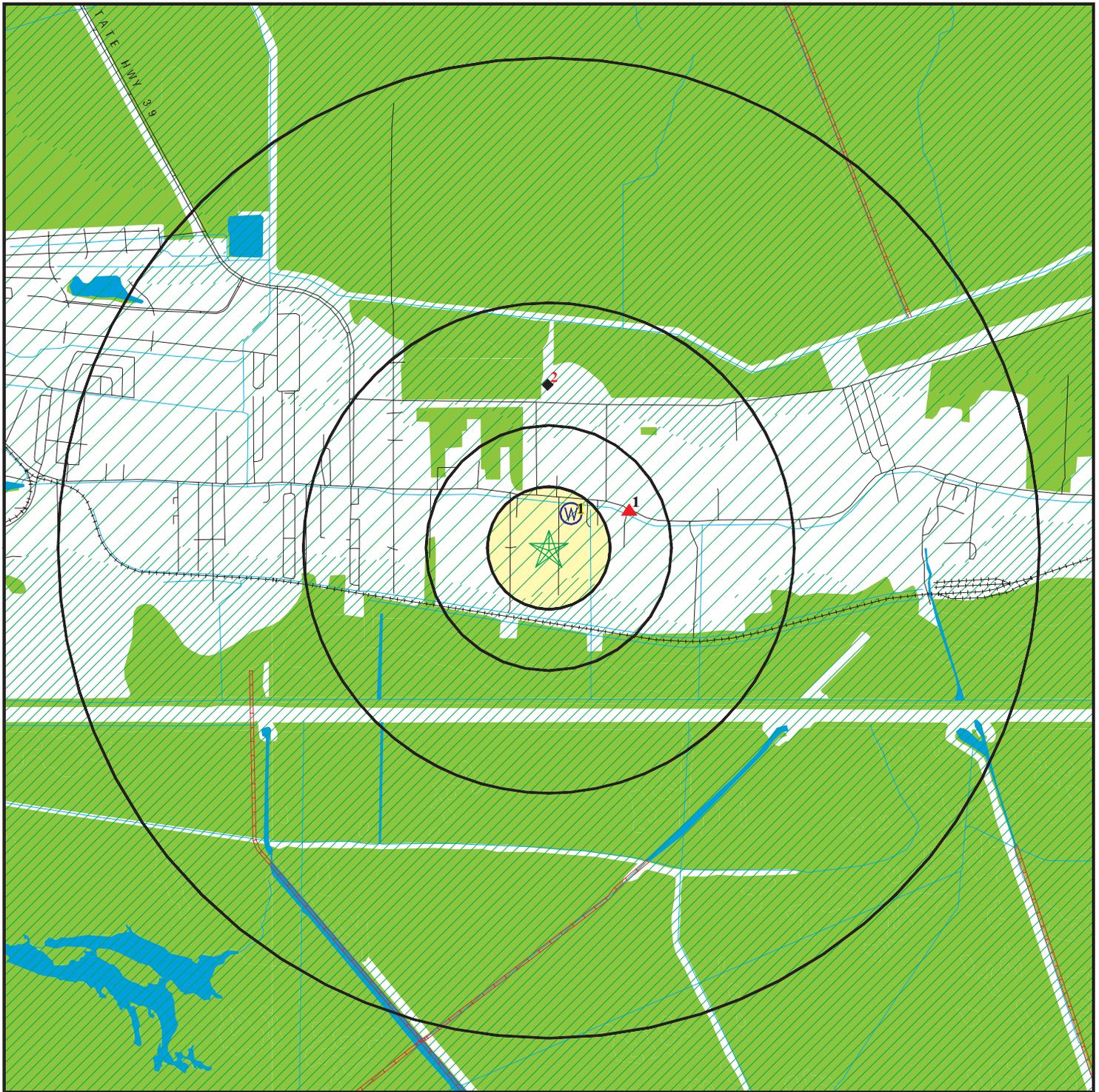
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ST BERNARD TOCA FACILITY	1717 BAYOU RD	1/4 - 1/2ENE	1	6

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
E-Z SERVE #2168	HIST LUST
VIOLET CHEVRON SERVICE	HIST LUST
BAYOU DISCOUNT STORE	LUST, UST
RUAA FOOD STORE	LUST, UST
CAPTAIN DANS	DRYCLEANERS
SERIGNES BOAT LAUNCH	UST
LADOTD - POYDRAS MAINTENANCE UNIT	UST
B&K SERVICE	UST
BELLSOUTH TELECOMMUNICATIONS STBRLAMW - J2203	UST
WVERTZ BROTHERS TIRES	UST
BAZILE DISTRIBUTING	UST
FRANK CAMPO	UST
DE POPE LAUNCH & TAVERN	UST
DISCOUNT MAX #2128	UST
VAL J DAUTERIVE & SON INC PETROLEUM BULK PLANT	UST
PIERS IN VIOLET	RCRA-SQG
BAYOU LA LOUTRE ON THE SOUTH SIDE OF HWY 46	ERNS
DELACROIX CORP #1 WELL - BAYOU GENTILLY	FINDS
BAYOU BILOXI PRODUCTION PRODUCTION FACIL	FINDS
BAYOU BILOXI PRODUCTION	FINDS
COASTAL CORP PRODUCTION FACILTIY - BAYOU	FINDS

# OVERVIEW MAP - 1762750.2s



- ★ 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
- Landfill Sites
- Dept. Defense Sites

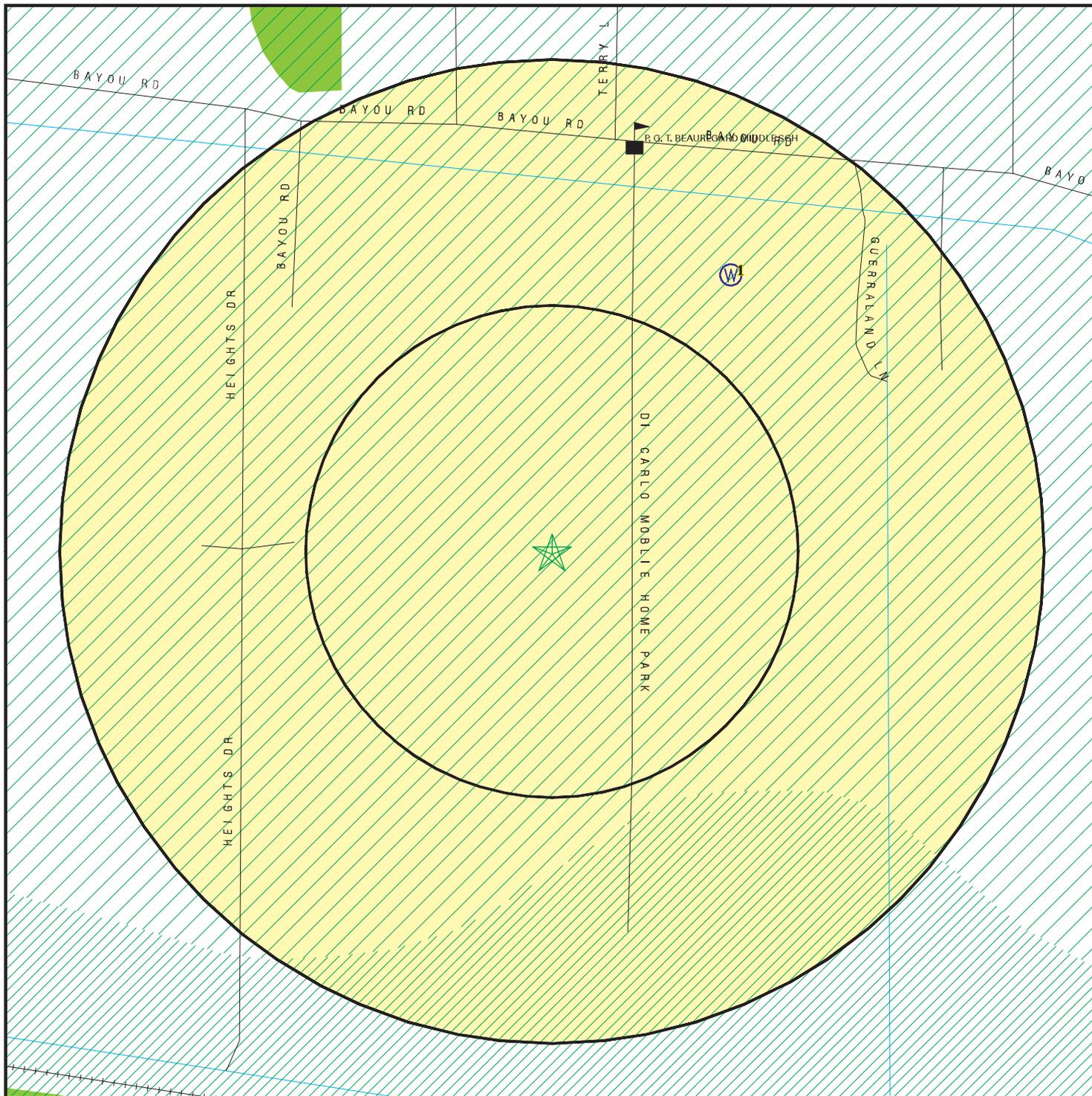
- Indian Reservations BIA
- ▲ Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

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: Bayou Road Borrow Pits  
 ADDRESS: 1418 Bayou Road  
 Saint Bernard LA 70085  
 LAT/LONG: 29.8640 / 89.8563

CLIENT: Aerostar Environmental Svcs.  
 CONTACT: Thalass Rattanaxay  
 INQUIRY #: 1762750.2s  
 DATE: September 26, 2006 1:15 pm

# DETAIL MAP - 1762750.2s



- ★ 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
- ☒ Landfill Sites
- ☒ Dept. Defense Sites

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



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: Bayou Road Borrow Pits  
 ADDRESS: 1418 Bayou Road  
 Saint Bernard LA 70085  
 LAT/LONG: 29.8640 / 89.8563

CLIENT: Aerostar Environmental Svcs.  
 CONTACT: Thalass Rattanaxay  
 INQUIRY #: 1762750.2s  
 DATE: September 26, 2006 1:15 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.500	0	0	0	0	0	0
Proposed NPL		1.500	0	0	0	0	0	0
Delisted NPL		1.500	0	0	0	0	0	0
NPL RECOVERY		0.500	0	0	0	NR	NR	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		1.000	0	0	0	0	NR	0
CORRACTS		1.500	0	0	0	0	0	0
RCRA TSD		1.000	0	0	0	0	NR	0
RCRA Lg. Quan. Gen.		0.750	0	0	0	0	NR	0
RCRA Sm. Quan. Gen.		0.750	0	0	0	0	NR	0
ERNS		0.500	0	0	0	NR	NR	0
HMIRS		0.500	0	0	0	NR	NR	0
US ENG CONTROLS		1.000	0	0	0	0	NR	0
US INST CONTROL		1.000	0	0	0	0	NR	0
DOD		1.500	0	0	0	0	0	0
FUDS		1.500	0	0	0	0	0	0
US BROWNFIELDS		1.000	0	0	0	0	NR	0
CONSENT		1.500	0	0	0	0	0	0
ROD		1.500	0	0	0	0	0	0
UMTRA		1.000	0	0	0	0	NR	0
ODI		1.000	0	0	0	0	NR	0
TRIS		0.500	0	0	0	NR	NR	0
TSCA		0.500	0	0	0	NR	NR	0
FTTS		0.500	0	0	0	NR	NR	0
SSTS		0.500	0	0	0	NR	NR	0
ICIS		0.500	0	0	0	NR	NR	0
PADS		0.500	0	0	0	NR	NR	0
MLTS		0.500	0	0	0	NR	NR	0
MINES		0.750	0	0	0	0	NR	0
FINDS		0.500	0	0	0	NR	NR	0
RAATS		0.500	0	0	0	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
State Haz. Waste		1.500	0	0	0	0	0	0
State Landfill		1.000	0	0	0	0	NR	0
DEBRIS		1.000	0	0	0	1	NR	1
SWRCY		1.000	0	0	0	0	NR	0
LUST		1.000	0	0	0	0	NR	0
HIST LUST		1.000	0	0	0	0	NR	0
UST		0.750	0	0	1	0	NR	1
LIENS		0.500	0	0	0	NR	NR	0
SPILLS		0.500	0	0	0	NR	NR	0
AUL		1.000	0	0	0	0	NR	0
VCP		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.750	0	0	0	0	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.500	0	0	0	0	0	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
INDIAN LUST		1.000	0	0	0	0	NR	0
INDIAN UST		0.750	0	0	0	0	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.500	0	0	0	0	0	0

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**1**            **ST BERNARD TOCA FACILITY**  
**ENE**            **1717 BAYOU RD**  
**1/4-1/2**        **TOCA, LA 70085**  
**1919 ft.**

**UST**    **U003923602**  
**N/A**

**Relative:**  
**Equal**

UST:

**Actual:**  
**5 ft.**

Master Agency Id:	69405
Subject Category Code:	EQT
Subject Item ID:	1
UST Tank Num:	35039
Install Date:	03/29/79
<b>Facility Status:</b>	<b>Removed</b>
Status Date:	11/01/91
Total Capacity:	10000
Number Of Compartments:	Not reported
Gasoline Flag:	Yes
Diesal Flag:	Not reported
Gashol Flag:	Not reported
Kerosen Flag:	Not reported
Heating Oil Flag:	Not reported
New Used Oil Flag:	Not reported
Other Sub:	Not reported
Other Description:	Not reported
Steel Tank Covered With Asphalt:	Yes
Cathodically Protected:	Not reported
Epoxy Coated Tank:	Not reported
A Composite Of Different Materials:	Not reported
Fiberglass Or Plastic:	Not reported
Interior Line With Some Material:	Not reported
Dble Wall As Opposed To Single Wall:	Not reported
Outside Lined w/ Polyethylen Jacket:	Not reported
Made Of Concrete:	Not reported
Liner Covering Excavation Hole:	Not reported
Unknown:	Not reported
Other Material:	Not reported
Other Description:	Not reported
Pipe Method Desc:	Not reported
Last Status:	18950

**2**            **OLD ASPHALT PLANT SITE**  
**North**  
**1/2-1**        **ST. BERNARD, LA**  
**3519 ft.**

**DEBRIS**    **S107152171**  
**N/A**

**Relative:**  
**Lower**

LA DEBRIS:

**Actual:**  
**2 ft.**

Facility ID:	32
Latitude:	29.87367000000
Longitude:	-89.85636700000
Ownership:	Not reported
Land Use:	Not reported
Site Size:	Not reported
RFO Acceptable:	Not reported
Use Inital:	Not reported
Permit:	Not reported
Disposition:	burn and chipping
Burn Permit:	Not reported
Type:	Not reported
Ash Disposal:	Not reported
Remarks:	Not reported
Burn:	Yes

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLD ASPHALT PLANT SITE (Continued)**

**S107152171**

Chip: Yes  
Staging: No  
Wood Waste: No  
Construction Demolition: No  
White Goods: No  
Vehicles: No  
Boats: No  
No Category: No  
Closed: No  
Operation: Burning  
Site Design: Authorized  
Purpose: Reduction  
Corp Ln Form: Not reported  
Object ID: 32

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DELACROIX	1008210973	DELACROIX CORP #1 WELL - BAYOU GENTILLY	BAYOU GENTILLY FIELD	70085	FINDS
DELACROIX	U003923114	SERIGNES BOAT LAUNCH	LA HWY 300	70085	UST
HOPEDALE	1007455791	BAYOU BILOXI PRODUCTION PRODUCTION FACIL	5.7 MI ENE OF ST MALO	70085	FINDS
HOPEDALE	1008233428	BAYOU BILOXI PRODUCTION	FACILITY #3	70085	FINDS
NEW ORLEANS	U003925057	LADOTD - POYDRAS MAINTENANCE UNIT	7820 E ST BERNARD HWY	70085	UST
POINTE A LA HACHE	U003923979	B&K SERVICE	PARISH HWY 15	70092	UST
POYDRAS	U003995959	BELLSOUTH TELECOMMUNICATIONS STBRLAMW - J2203	HWY 39 - ST BERNARD	70085	UST
POYDRAS	U004052248	WVERTZ BROTHERS TIRES	8101 ST BERNARD HWY	70085	UST
POYDRAS	U003924020	BAYOU DISCOUNT STORE	8401 E ST BERNARD HWY	70085	LUST, UST
POYDRAS	S106034122	E-Z SERVE #2168	8401 EAST ST BERNARD HWY	70085	HIST LUST
ST. BERNARD	93325125	BAYOU LA LOUTRE ON THE SOUTH SIDE OF HWY 46	BAYOU LA LOUTRE ON THE SOUTH SIDE OF HWY 46	70085	ERNS
ST. BERNARD	1009316097	COASTAL CORP PRODUCTION FACILTIY - BAYOU	1.1 MI NE OF DELACROIX &	70085	FINDS
ST. BERNARD	U003926682	BAZILE DISTRIBUTING	7919 E ST BERNARD HWY	70085	UST
ST. BERNARD	U003995892	FRANK CAMPO	1301 YSCLOSKEY HWY	70085	UST
VIOLET	S107446507	CAPTAIN DANS	7637 HWY 46	70092	DRYCLEANERS
VIOLET	U001896494	DE POPE LAUNCH & TAVERN	HWY 46 VIOLET CANAL	70092	UST
VIOLET	1008402860	PIERS IN VIOLET	HWY 610	70092	RCRA-SQG
VIOLET	S106033968	VIOLET CHEVRON SERVICE	6205 ST. BERNARD HWY	70092	HIST LUST
VIOLET	U003924021	RUA FOOD STORE	5859 ST BERNARD HWY	70092	LUST, UST
VIOLET	U003924022	DISCOUNT MAX #2128	7601 E ST BENARD HWY	70092	UST
VIOLET	U003979686	VAL J DAUTERIVE & SON INC PETROLEUM BULK PLANT	6201G E ST BERNARD HWY	70092	UST

# 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.

## **FEDERAL RECORDS**

### **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: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	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**

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

### **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: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **NPL RECOVERY:** 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.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/21/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

## **CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/19/2006	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 703-413-0223
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/21/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

## **CERCLIS-NFRAP:** CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 07/17/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: 703-413-0223
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

## **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

## **RCRA:** Resource Conservation and Recovery Act Information

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/15/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

### **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: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/25/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Annually

### **HMIRS:** Hazardous Materials Information Reporting System

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

Date of Government Version: 07/03/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/19/2006	Telephone: 202-366-4555
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/19/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Annually

### **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: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	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: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Semi-Annually

## **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: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Varies

## **US BROWNFIELDS:** A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/10/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/13/2006	Telephone: 202-566-2777
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 55	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Semi-Annually

## **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: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 09/18/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Varies

## **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: 07/10/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 703-416-0223
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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.

Date of Government Version: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Varies

## **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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **PRP:** Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 202-564-6064
Date Made Active in Reports: 08/22/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

## **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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Annually

## **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: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Every 4 Years

## **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: 07/14/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 07/14/2006	Source: EPA
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

## **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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/16/2006
	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: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/16/2006
	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: 07/07/2006	Source: EPA
Date Data Arrived at EDR: 08/09/2006	Telephone: 202-566-0500
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/09/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Annually

## **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: 07/10/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/20/2006	Telephone: 301-415-7169
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

## **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: 05/16/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/28/2006	Telephone: 303-231-5959
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 07/21/2006	Source: EPA
Date Data Arrived at EDR: 07/25/2006	Telephone: N/A
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

## **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: 09/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: No Update Planned

## **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: 12/31/2003	Source: EPA/NTIS
Date Data Arrived at EDR: 06/17/2005	Telephone: 800-424-9346
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 09/15/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Biennially

## **STATE AND LOCAL RECORDS**

### **SHWS:** Potential and Confirmed Sites List

Confirmed status denotes that assessments have been performed and a determination made that (1) hazardous waste(s) or substance(s) are present at the site and (2) these sites are under the jurisdiction of the LDEQ/RSD. Potential status is an indicator that sites are either waiting to be assessed or the assessment is in progress.

Date of Government Version: 05/15/2006	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/19/2006	Telephone: 225-219-3181
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 08/14/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: Quarterly

### **SWF/LF:** Landfill List

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: 07/11/2006	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/21/2006	Telephone: 225-219-3181
Date Made Active in Reports: 08/29/2006	Last EDR Contact: 07/10/2006
Number of Days to Update: 39	Next Scheduled EDR Contact: 10/09/2006
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**DEBRIS:** LDEQ Approved Debris Sites

A listing of LDEQ Approved Debris Sites where hurricane debris is dumped.

Date of Government Version: 04/18/2006  
Date Data Arrived at EDR: 06/28/2006  
Date Made Active in Reports: 07/27/2006  
Number of Days to Update: 29

Source: Department of Environmental Quality  
Telephone: 225-219-3953  
Last EDR Contact: 06/28/2006  
Next Scheduled EDR Contact: 09/25/2006  
Data Release Frequency: Varies

**SWRCY:** Recycling Directory

A listing of recycling facilities.

Date of Government Version: 07/11/2006  
Date Data Arrived at EDR: 07/12/2006  
Date Made Active in Reports: 07/27/2006  
Number of Days to Update: 15

Source: Department of Environmental Quality  
Telephone: 225-219-3181  
Last EDR Contact: 07/12/2006  
Next Scheduled EDR Contact: 10/09/2006  
Data Release Frequency: Semi-Annually

**LUST:** Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/15/2006  
Date Data Arrived at EDR: 06/19/2006  
Date Made Active in Reports: 07/27/2006  
Number of Days to Update: 38

Source: Department of Environmental Quality  
Telephone: 225-219-3181  
Last EDR Contact: 08/14/2006  
Next Scheduled EDR Contact: 11/13/2006  
Data Release Frequency: Varies

**HIST LUST:** Underground Storage Tank Case History Incidents

This listing includes detailed information for Leaking Underground Storage Tanks reported through November 1999. It is no longer updated. Current LUST incidents, without detail, can be found in the Leaking Underground Storage Tank Database

Date of Government Version: 11/01/1999  
Date Data Arrived at EDR: 02/16/2000  
Date Made Active in Reports: 05/01/2000  
Number of Days to Update: 75

Source: Department of Environmental Quality  
Telephone: N/A  
Last EDR Contact: 12/04/2001  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

**UST:** Louisiana 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.

Date of Government Version: 07/05/2006  
Date Data Arrived at EDR: 07/18/2006  
Date Made Active in Reports: 08/18/2006  
Number of Days to Update: 31

Source: Department of Environmental Quality  
Telephone: 225-219-3181  
Last EDR Contact: 07/03/2006  
Next Scheduled EDR Contact: 10/02/2006  
Data Release Frequency: Quarterly

**LIENS:** Environmental Liens

Date of Government Version: 02/01/2006  
Date Data Arrived at EDR: 03/08/2006  
Date Made Active in Reports: 04/11/2006  
Number of Days to Update: 34

Source: Department of Environmental Quality  
Telephone: N/A  
Last EDR Contact: 08/14/2006  
Next Scheduled EDR Contact: 11/13/2006  
Data Release Frequency: Varies

**SPILLS:** Emergency Response Section Incidents

Spills and/or releases, to land, reported to the Emergency Response Section.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/27/2006  
Date Data Arrived at EDR: 08/02/2006  
Date Made Active in Reports: 08/29/2006  
Number of Days to Update: 27

Source: Department of Environmental Quality  
Telephone: 225-219-3620  
Last EDR Contact: 09/11/2006  
Next Scheduled EDR Contact: 12/11/2006  
Data Release Frequency: Varies

## **AUL:** Listing of Institutional and/or Engineering Controls

A notice of contamination (nature and levels of contaminants) and restriction of property to non-residential use are placed in the conveyance records for the property.

Date of Government Version: 08/10/2006  
Date Data Arrived at EDR: 08/18/2006  
Date Made Active in Reports: 08/29/2006  
Number of Days to Update: 11

Source: Department of Environmental Quality  
Telephone: 225-219-3168  
Last EDR Contact: 07/27/2006  
Next Scheduled EDR Contact: 11/13/2006  
Data Release Frequency: Quarterly

## **VCP:** Voluntary Remediation Program Sites

Sites that have entered the Department of Environmental Quality's Voluntary Remediation Program

Date of Government Version: 05/15/2006  
Date Data Arrived at EDR: 06/19/2006  
Date Made Active in Reports: 07/27/2006  
Number of Days to Update: 38

Source: Department of Environmental Quality  
Telephone: 225-219-3181  
Last EDR Contact: 08/14/2006  
Next Scheduled EDR Contact: 11/13/2006  
Data Release Frequency: Varies

## **DRYCLEANERS:** Drycleaner Facility Listing

A listing of drycleaner facilities.

Date of Government Version: 05/15/2006  
Date Data Arrived at EDR: 06/19/2006  
Date Made Active in Reports: 07/27/2006  
Number of Days to Update: 38

Source: Department of Environmental Quality  
Telephone: 225-219-3168  
Last EDR Contact: 08/14/2006  
Next Scheduled EDR Contact: 11/13/2006  
Data Release Frequency: Varies

## **TRIBAL RECORDS**

### **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: 12/31/2004  
Date Data Arrived at EDR: 02/08/2005  
Date Made Active in Reports: 08/04/2005  
Number of Days to Update: 177

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 08/11/2006  
Next Scheduled EDR Contact: 11/06/2006  
Data Release Frequency: Semi-Annually

### **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: 06/08/2006  
Date Data Arrived at EDR: 06/09/2006  
Date Made Active in Reports: 06/28/2006  
Number of Days to Update: 19

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
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: 01/04/2005  
Date Data Arrived at EDR: 01/21/2005  
Date Made Active in Reports: 02/28/2005  
Number of Days to Update: 38

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6271
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	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: 06/08/2006	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 06/01/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3372
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

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

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2006	Source: EPA Region 7
Date Data Arrived at EDR: 07/10/2006	Telephone: 913-551-7003
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

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

Date of Government Version: 06/01/2006	Source: EPA Region 9
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3368
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

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

Date of Government Version: 06/08/2006	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

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

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6137
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

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

Date of Government Version: 06/30/2006	Source: EPA Region 6
Date Data Arrived at EDR: 07/03/2006	Telephone: 214-665-7591
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Semi-Annually

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

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 06/09/2006	Telephone: 617-918-1313
Date Made Active in Reports: 06/30/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

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

Date of Government Version: 06/01/2006	Source: EPA Region 7
Date Data Arrived at EDR: 07/10/2006	Telephone: 913-551-7003
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

## EDR PROPRIETARY RECORDS

### **Manufactured Gas Plants:** 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.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## COUNTY RECORDS

### **ORLEANS COUNTY:**

#### **Brownfields Inventory**

Brownfields are abandoned, idled, or underused industrial or commercial real property, the expansion, redevelopment or reuse of which may be complicated by the presence of or potential presence of a hazardous substance, pollutant, or contaminant.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/17/2006  
Date Data Arrived at EDR: 08/17/2006  
Date Made Active in Reports: 08/29/2006  
Number of Days to Update: 12

Source: New Orleans Office of Environmental Affairs  
Telephone: 504-658-4070  
Last EDR Contact: 08/17/2006  
Next Scheduled EDR Contact: 11/13/2006  
Data Release Frequency: Quarterly

## **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: 12/31/2004  
Date Data Arrived at EDR: 02/17/2006  
Date Made Active in Reports: 04/07/2006  
Number of Days to Update: 49

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 09/11/2006  
Next Scheduled EDR Contact: 12/11/2006  
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: 05/02/2006  
Date Data Arrived at EDR: 05/31/2006  
Date Made Active in Reports: 06/27/2006  
Number of Days to Update: 27

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 08/30/2006  
Next Scheduled EDR Contact: 11/27/2006  
Data Release Frequency: Annually

### **PA MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 05/04/2006  
Date Made Active in Reports: 06/06/2006  
Number of Days to Update: 33

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 09/11/2006  
Next Scheduled EDR Contact: 12/11/2006  
Data Release Frequency: Annually

### **WI MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 03/17/2006  
Date Made Active in Reports: 05/02/2006  
Number of Days to Update: 46

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 07/25/2006  
Next Scheduled EDR Contact: 10/09/2006  
Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### **Electric Power Transmission Line Data**

Source: PennWell Corporation  
Telephone: (800) 823-6277

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# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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.

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

**STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

BAYOU ROAD BORROW PITS  
1418 BAYOU ROAD  
SAINT BERNARD, LA 70085

### TARGET PROPERTY COORDINATES

Latitude (North): 29.86400 - 29° 51' 50.4"  
Longitude (West): 89.8563 - 89° 51' 22.7"  
Universal Tranverse Mercator: Zone 16  
UTM X (Meters): 224078.0  
UTM Y (Meters): 3306962.5  
Elevation: 5 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 29089-G7 DELACROIX, LA  
Most Recent Revision: 1994

North Map: 29089-H7 MARTELLO CASTLE, LA  
Most Recent Revision: 1994

West Map: 29089-G8 BELLE CHASSE, LA  
Most Recent Revision: 1994

Northwest Map: 29089-H8 CHALMETTE, LA  
Most Recent Revision: 1994

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

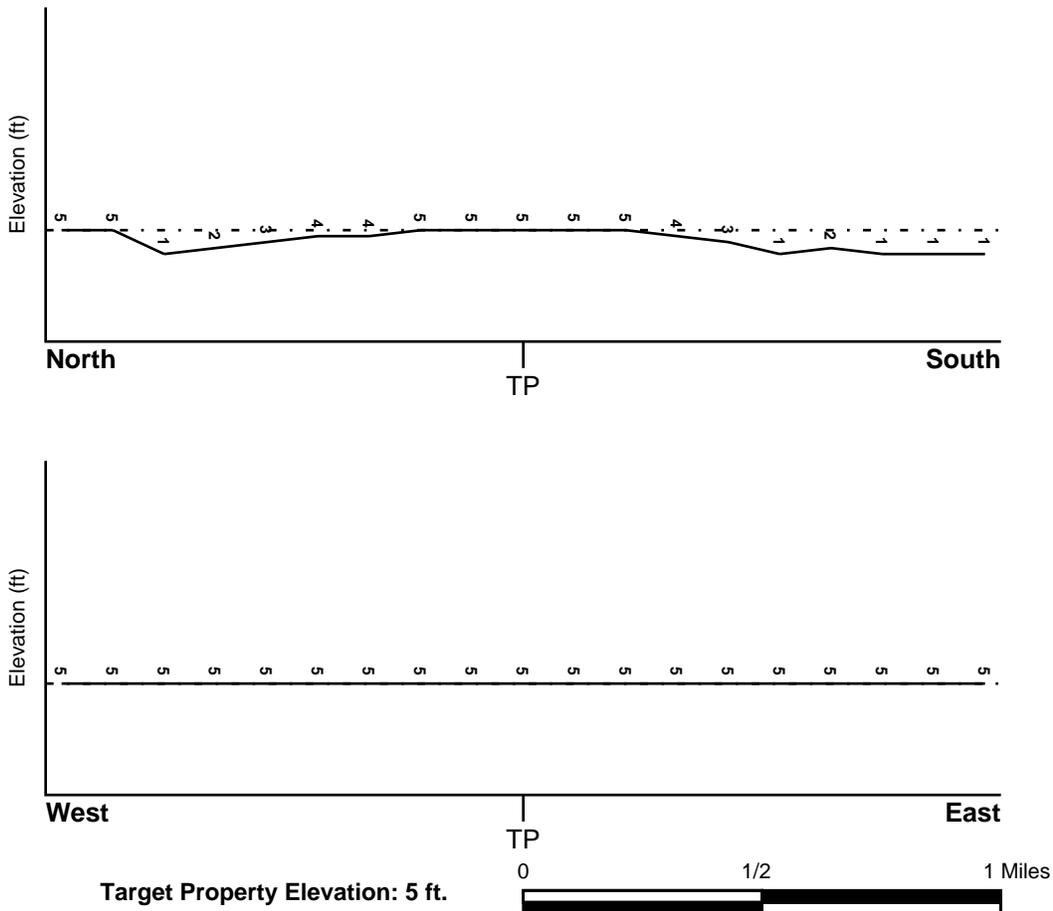
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' 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.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

<u>Target Property County</u> ST BERNARD, LA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	2252040460B
Additional Panels in search area:	2252040470B

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> DELACROIX	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
---	---

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### *Site-Specific Hydrogeological Data\*:*

Search Radius:	1.25 miles
Status:	Not found

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### ROCK STRATIGRAPHIC UNIT

Era: Cenozoic  
System: Quaternary  
Series: Holocene  
Code: Qh (decoded above as Era, System & Series)

#### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: SHARKEY

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.06 Min: 0.00	Max: 8.40 Min: 5.10
2	9 inches	42 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.06 Min: 0.00	Max: 8.40 Min: 5.60
3	42 inches	60 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.20 Min: 0.06	Max: 8.40 Min: 6.60

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam  
silty clay loam  
silty clay

Surficial Soil Types: silt loam  
silty clay loam  
silty clay

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: stratified  
silty clay loam  
silt loam  
silty clay  
fine sandy loam

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2393136	1/8 - 1/4 Mile NNE

## **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

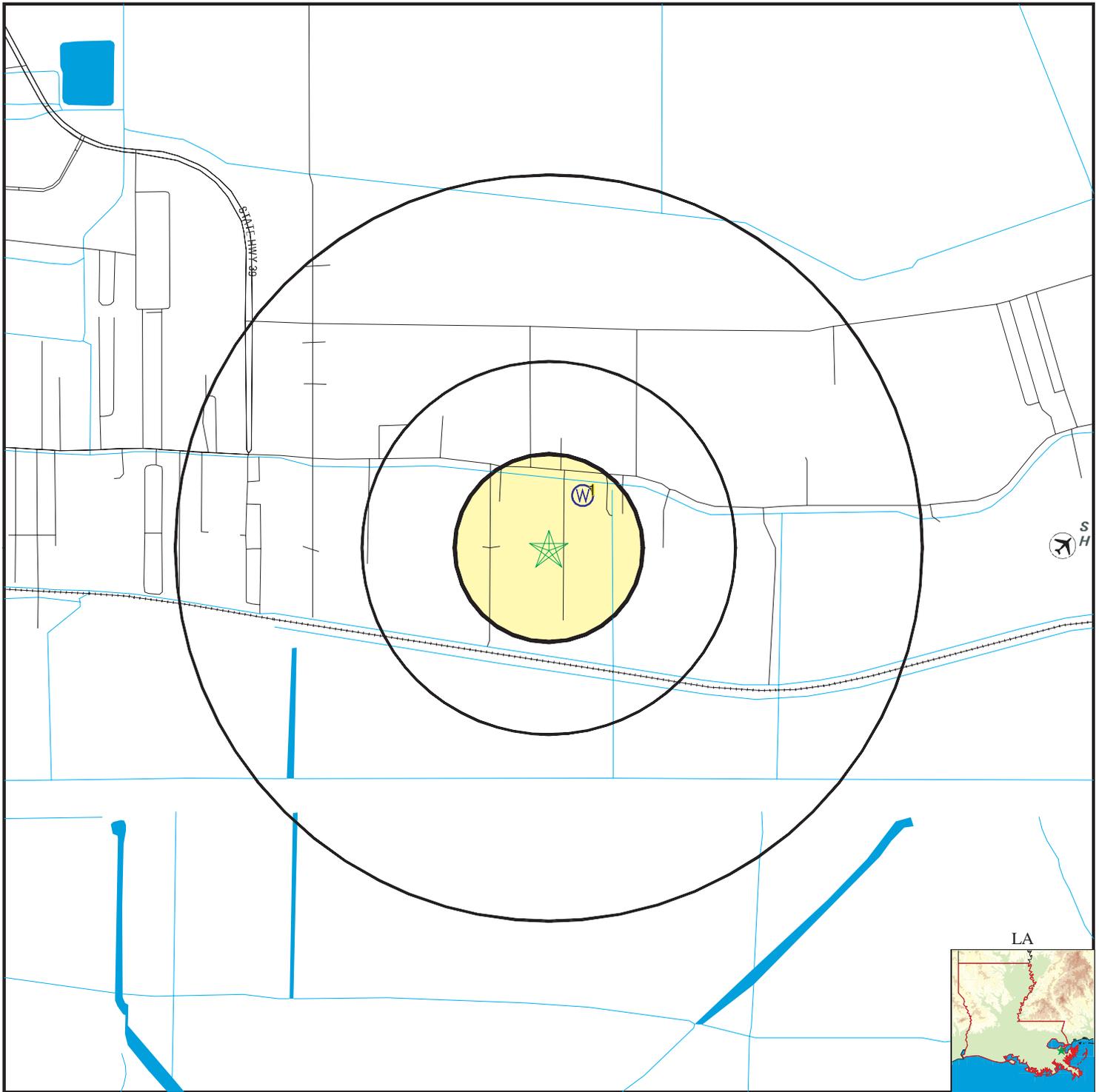
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## **STATE DATABASE WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

# PHYSICAL SETTING SOURCE MAP - 1762750.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data

No contour lines were detected within this map area.

SITE NAME: Bayou Road Borrow Pits  
 ADDRESS: 1418 Bayou Road  
 Saint Bernard LA 70085  
 LAT/LONG: 29.8640 / 89.8563

CLIENT: Aerostar Environmental Svcs.  
 CONTACT: Thalys Rattanaxay  
 INQUIRY #: 1762750.2s  
 DATE: September 26, 2006 1:15 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

<b>1</b>		
<b>NNE</b>	<b>FED USGS</b>	<b>USGS2393136</b>
<b>1/8 - 1/4 Mile</b>		
<b>Higher</b>		

Agency cd:	USGS	Site no:	295157089511701
Site name:	SB- 28		
Latitude:	295157		
Longitude:	0895117	Dec lat:	29.86603907
Dec lon:	-89.85478695	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	22
State:	22	County:	087
Country:	US	Land net:	S016T14S R13E
Location map:	DELACROIX 200D	Map scale:	Not Reported
Altitude:	7.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Eastern Louisiana Coastal. Louisiana. Area = 2160 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19480101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SHALLOW AQUIFERS OF NEW ORLEANS AREA		
Well depth:	100	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1961-05-10
Water quality data end date:	1961-05-10	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: LA Radon

### Radon Test Results

Parish	Avg pCi/L	Total Sites
ST. BERNARD	0.23333	18

Federal EPA Radon Zone for ST. BERNARD County: 3

Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.  
Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

## LOCAL / REGIONAL WATER AGENCY RECORDS

### **FEDERAL WATER WELLS**

#### **PWS: Public Water Systems**

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

**PWS ENF:** Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

**USGS Water Wells:** USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

**STATE RECORDS****Louisiana Public Water Supply Wells**

Source: Office of Public Health

Telephone: 504-568-5101

**Water Well Registration Data File**

Source: Department of Transportation and Development

Telephone: 225-274-4172

**OTHER STATE DATABASE INFORMATION****RADON****State Database: LA Radon**

Source: Department of Environmental Quality

Telephone: 225-925-1752

Radon Levels

**Area Radon Information**

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

**EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

**OTHER****Airport Landing Facilities:** Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

**Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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# **EDR Historical Topographic Map Report**

**Bayou Road Borrow Pits  
1418 Bayou Road  
Saint Bernard, LA 70085**

**Inquiry Number: 1762750.4**

**September 26, 2006**



**EDR**® Environmental  
Data Resources Inc

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Rd  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

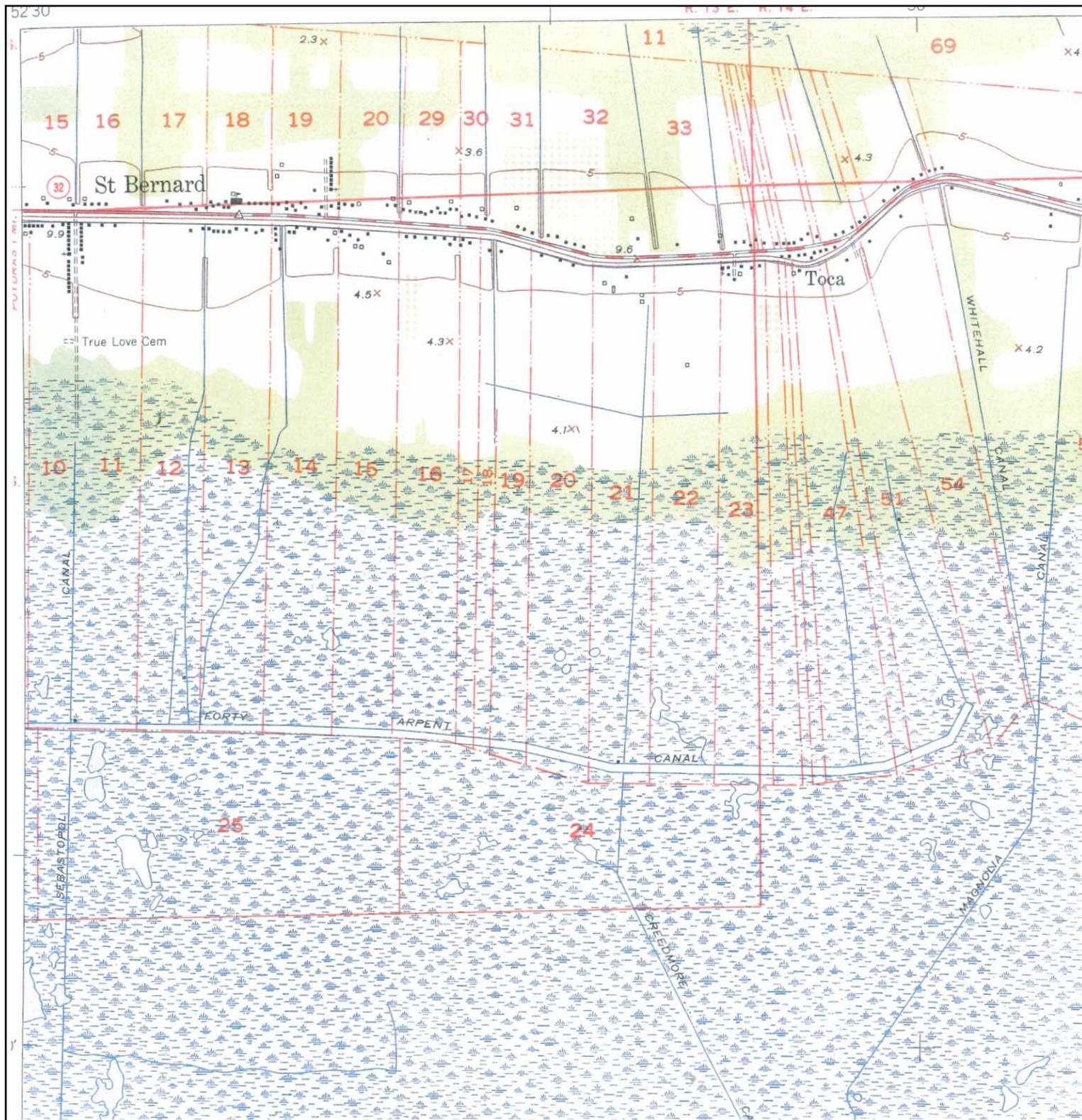
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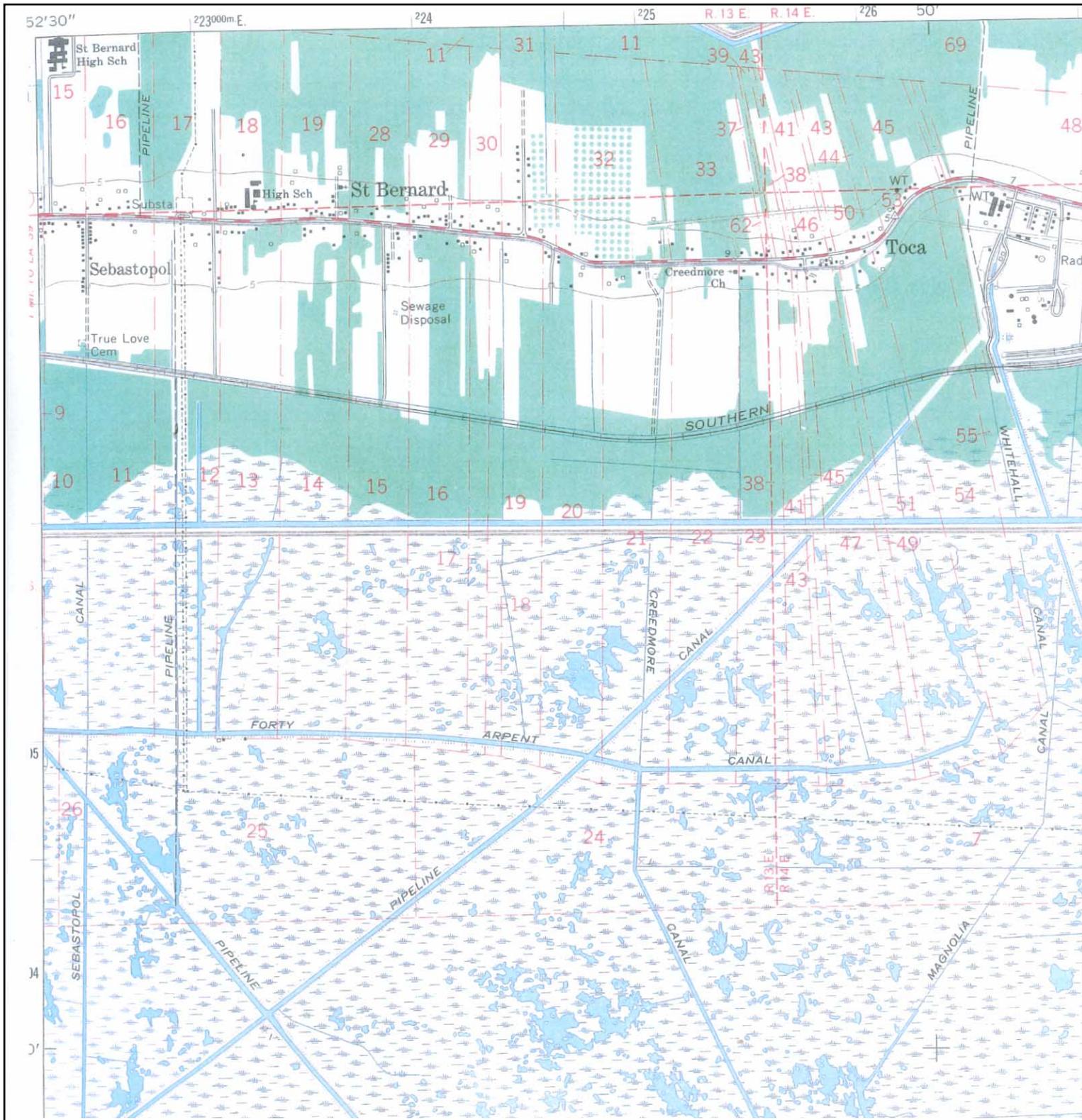
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# Historical Topographic Map



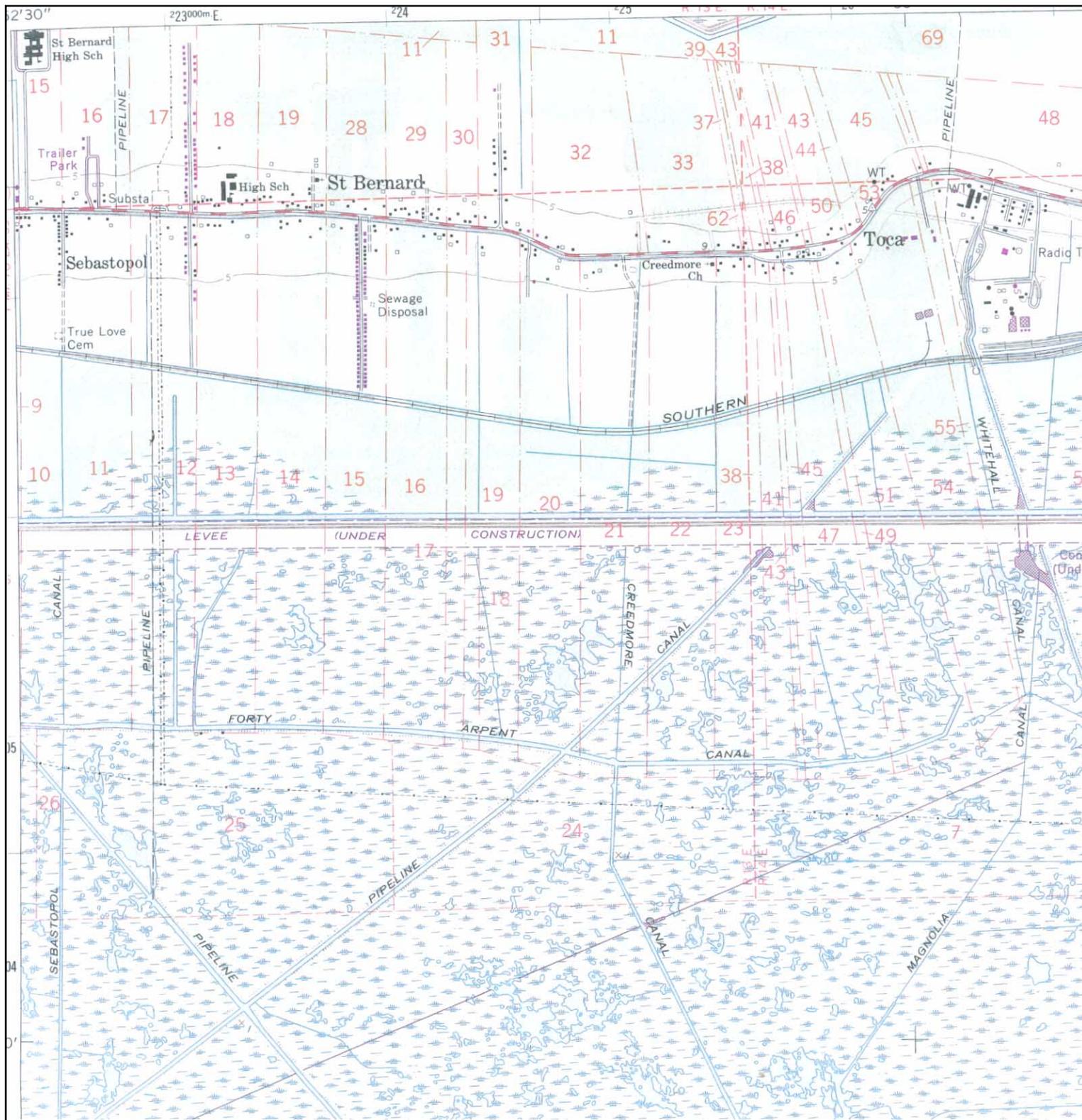
	<b>TARGET QUAD</b> NAME: Delacroix, LA MAP YEAR: 1951	<b>SITE NAME:</b> Bayou Road Borrow Pits <b>ADDRESS:</b> 1418 Bayou Road Saint Bernard, LA 70085 <b>LAT/LONG:</b> 29.864 / 89.8563	<b>CLIENT:</b> Aerostar Environmental Svcs. <b>CONTACT:</b> Thalass Rattanaxay <b>INQUIRY#:</b> 1762750.4 <b>RESEARCH DATE:</b> 09/26/2006
	SERIES: 7.5 SCALE: 1:24,000		

# Historical Topographic Map



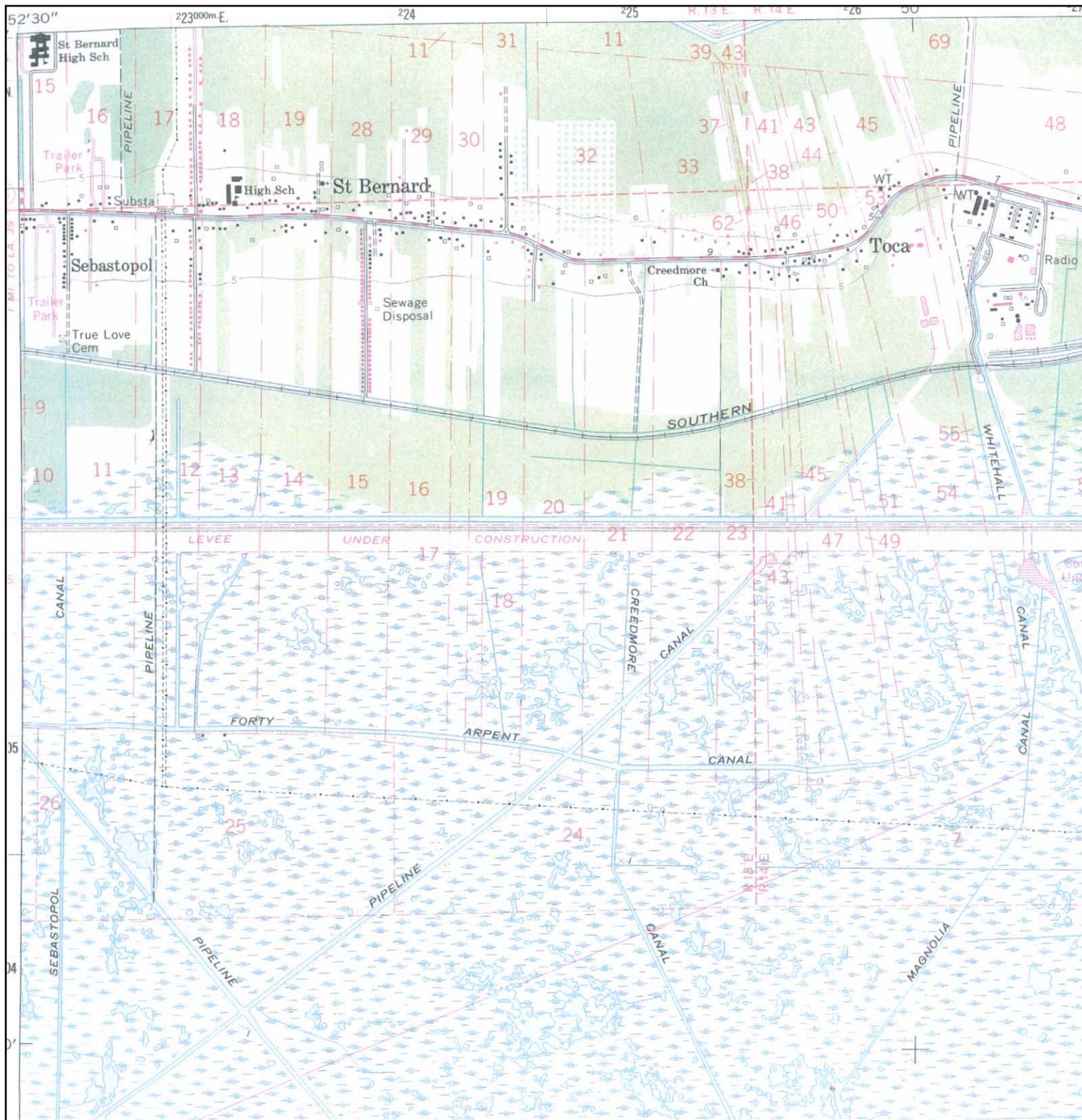
	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Bayou Road Borrow Pits	<b>CLIENT:</b> Aerostar Environmental Svcs.
	<b>NAME:</b> Delacroix, LA	<b>ADDRESS:</b> 1418 Bayou Road	<b>CONTACT:</b> Thalas Rattanaxay
	<b>MAP YEAR:</b> 1967	<b>Saint Bernard, LA 70085</b>	<b>INQUIRY#:</b> 1762750.4
	<b>SERIES:</b> 7.5	<b>LAT/LONG:</b> 29.864 / 89.8563	<b>RESEARCH DATE:</b> 09/26/2006
	<b>SCALE:</b> 1:24,000		

# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Bayou Road Borrow Pits	<b>CLIENT:</b> Aerostar Environmental Svcs.
	<b>NAME:</b> Delacroix, LA	<b>ADDRESS:</b> 1418 Bayou Road	<b>CONTACT:</b> Thalys Rattanaxay
	<b>MAP YEAR:</b> 1972	<b>Saint Bernard, LA 70085</b>	<b>INQUIRY#:</b> 1762750.4
	<b>PHOTO REVISED:</b> 1967	<b>LAT/LONG:</b> 29.864 / 89.8563	<b>RESEARCH DATE:</b> 09/26/2006
	<b>SERIES:</b> 7.5		
	<b>SCALE:</b> 1:24,000		

# Historical Topographic Map



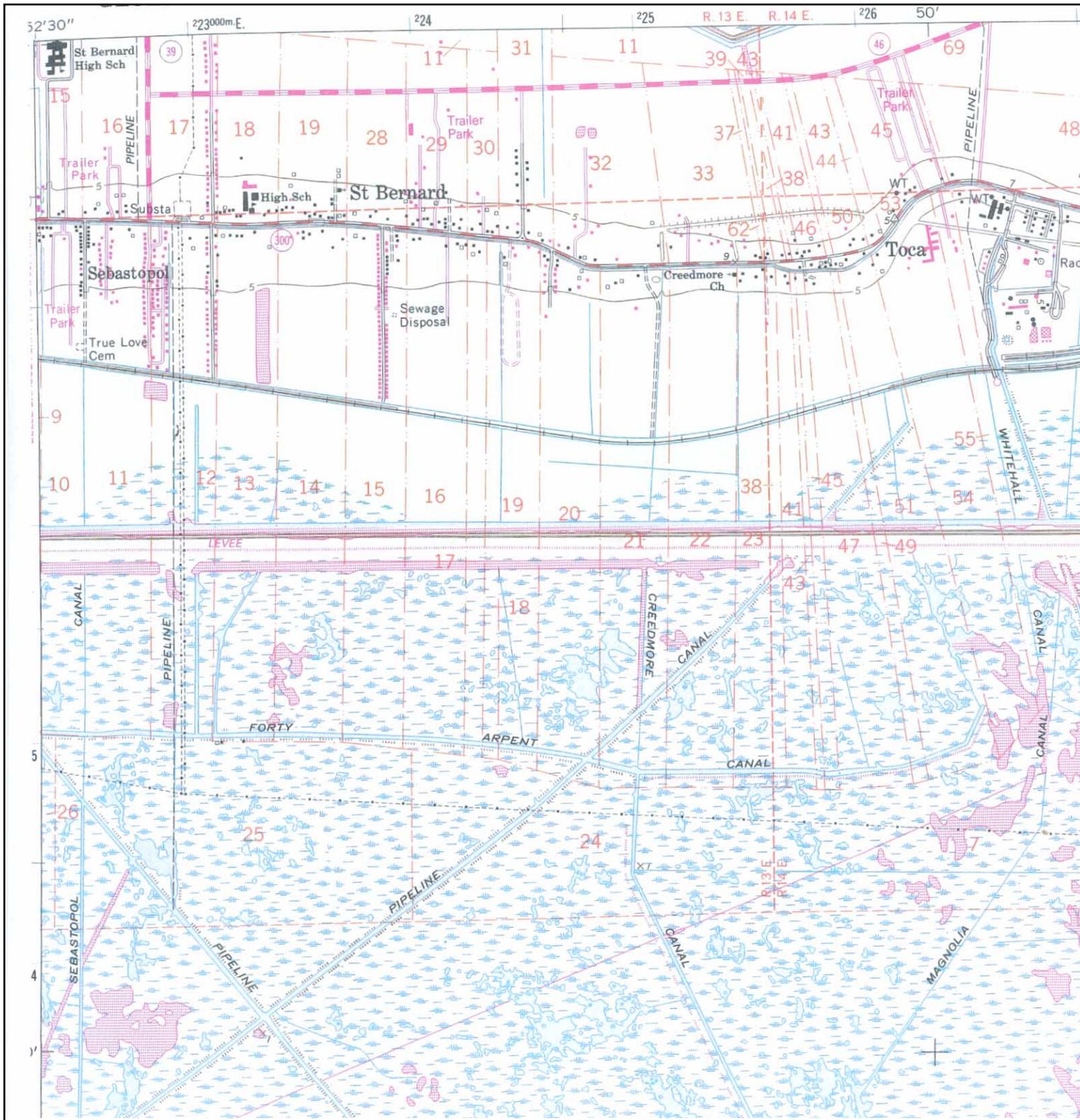
	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Bayou Road Borrow Pits	<b>CLIENT:</b> Aerostar Environmental Svcs.
	<b>NAME:</b> Delacroix, LA	<b>ADDRESS:</b> 1418 Bayou Road	<b>CONTACT:</b> Thalys Rattanaxay
	<b>MAP YEAR:</b> 1979	<b>Saint Bernard, LA 70085</b>	<b>INQUIRY#:</b> 1762750.4
	<b>PHOTO REVISED:</b> 1967	<b>LAT/LONG:</b> 29.864 / 89.8563	<b>RESEARCH DATE:</b> 09/26/2006
	<b>SERIES:</b> 7.5		
	<b>SCALE:</b> 1:24,000		

# Historical Topographic Map



	TARGET QUAD	SITE NAME:	Bayou Road Borrow Pits	CLIENT:	Aerostar Environmental Svcs.
	NAME: Delacroix, LA	ADDRESS:	1418 Bayou Road	CONTACT:	Thalas Rattanaxay
	MAP YEAR: 1983		Saint Bernard, LA 70085	INQUIRY#:	1762750.4
	PHOTO INSPECTED: 1967	LAT/LONG:	29.864 / 89.8563	RESEARCH DATE:	09/26/2006
	SERIES: 7.5				
	SCALE: 1:24,000				

# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Bayou Road Borrow Pits	<b>CLIENT:</b> Aerostar Environmental Svcs.
	<b>NAME:</b> Delacroix, LA	<b>ADDRESS:</b> 1418 Bayou Road	<b>CONTACT:</b> Thalys Rattanaxay
	<b>MAP YEAR:</b> 1994	<b>Saint Bernard, LA 70085</b>	<b>INQUIRY#:</b> 1762750.4
	<b>REVISED:</b> 1967	<b>LAT/LONG:</b> 29.864 / 89.8563	<b>RESEARCH DATE:</b> 09/26/2006
	<b>SERIES:</b> 7.5		
	<b>SCALE:</b> 1:24,000		



EDR® Environmental  
Data Resources Inc

"Linking Technology with Tradition"®

## Sanborn® Map Report

**Ship To:** Thalasa Ratanaay  
Aer Environmental  
803 Government Street  
Mobile, AL 36602

**Order Date:** 9/26/2006 **Completion Date:** 9/26/2006  
**Inquiry #:** 1762750.3  
**P.O. #:** NA  
**Site Name:** Bay Road Bldg

**Address:** 1418 Bay Road

**City/State:** Saint Benard, LA 70085

**Cross Streets:**

**Customer Project:** NA  
7037333TED 251-432-2664

This document is the largest and most complete edition of Sanborn fire insurance maps that has been viewed based on client-provided information, and fire insurance maps depicting the target property at the specified address were not identified.

**NO COVERAGE**

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**APPENDIX E**  
**AERIAL PHOTOGRAPHS**

AERIAL PHOTOGRAPH 1998



AERIAL PHOTOGRAPH 2005



## **APPENDIX F**

### **INTERVIEW DOCUMENTATION**

**LIST OF CONTACTS INTERVIEWED  
PHASE I ENVIRONMENTAL SITE ASSESSMENT**

<u>Name</u>	<u>Title</u>	<u>Affiliation</u>	<u>Topics Discussed</u>
Mr. Cary Delegos	Representative of the subject site owner	Private	Historical use of the subject site
Chief Leon Lea	Chief	St. Bernard Parish Fire Department	HAZMAT-related responses to the subject site and surrounding properties

## **APPENDIX G**

### **REFERENCES**

## **REFERENCES**

Mr. Cary Delegos, phone interview, October 2, 2006.

Chief Leon Lea, phone interview, October 5, 2006.

Environmental Data Resources (EDR) regulatory database report, September 2006.

USGS Topographic Map of “Delacroix, Louisiana”, dated 1994.

US Department of Agriculture Soil Conservation Service, Saint Bernard Parish Soil Survey, dated 1989.

## **APPENDIX H**

### **QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS**

## **Staff Scientist**

Ms. Rattanaxy has over two years of professional experience with assisting in field sampling and preparation of water and waste samples for testing, reviewing and validating tests results, prepared formal reports of test results for clients. She has also maintained filing systems of sample results and inventory of soil testing equipment, insures that equipment is routinely calibrated and assists in laboratory testing of soil and aggregates following ASTM procedures. She also assists project managers with client communication and project scheduling.

## **Project Experience**

Ms. Rattanaxy's projects have included:

- Staff Scientist for numerous Phase I ESAs throughout Alabama and Florida. Ms. Rattanaxy was responsible for the planning, field work, and report preparation for sites ranging from raw land to complex commercial associated with Phase I Environmental Assessments.
- Staff Scientist for Rosewood Subdivision Project; Pensacola, Florida - assisted a senior project engineer with a comprehensive asbestos survey of over 100 homes.
- Scientist Technician assisted in the planning, field work, and report preparations associated with groundwater and/or soil sampling activities on military bases in Georgia, such as Fort Benning, Fort Mcpherson, and Camp Merrill, while complying to state specific guidelines.

## **Academic Background**

B.S., Chemical Engineering, Georgia Institute of Technology, 2004

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### **Project Manager**

Serve as project manager, senior geologist, and hydrogeologist and have provided the services of on-site Health and Safety Officer for RI/FS, RI/RA, RCRA and CERCLA activities and other site investigations involving potential contact with hazardous and toxic substances.

Performed site investigations in AL, FL, GA, TN, MS, CT, CA, and TX, encompassing a wide range of geological and hydrogeological conditions. Conducted investigations for proposed, operational, and closed solid waste units. Additional site investigations have included UST's, environmental assessments, geologic mapping, biological sampling and sediment sampling.

Managed project invoices and budgets, performed technical reviews, met with project clients and regulators to facilitate positive project goals.

### **Project Experience**

Mr. Parrish's projects have included:

- ***Program/Project Manager, Remedial Investigation of Former Military Installation, Mobile, Alabama***

Responsible for the preparation and implementation of the approved project work plan, quality assurance plan, sampling and analysis plan and health and safety plan and the Risk Assessment Protocol (RAP).

Responsible for conducting the RI activities in accordance with USACE-Mobile District, the Alabama Department of Environmental Management (ADEM) and EPA requirements and guidance. RI activities included site visits, a work plan, field investigation, sample analysis and validation, baseline human health and environmental risk assessment and preparation of a RI report.

Responsible for implementing field activities that included the installation and sampling of 22 groundwater monitoring wells, sampling 51 existing groundwater monitoring wells, collection of 107 soil samples, collection of 8 sediment samples, collection of 8 surface water samples and aquifer characteristic testing (i.e. slug tests) on 22 groundwater monitoring wells.

Responsible for implementing the Risk Assessment Protocol to ensure that field sampling procedures, analytical methods selected and analytical data were of sufficient quality to meet the intended data uses for contaminant characterization and identification of potential pathways for exposure. During the risk assessment, a full accounting of the ecosystems and populations potentially exposed to contamination were conducted; special attention was given to State and Federal regulations regarding sensitive environments involving wetlands or endangered species.

Responsible for the preparation, development and submittal of the RI Report.

Responsible for tracking project cost and invoicing.

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## **William K. Parrish**

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- ***Program/Project Manager, Feasibility Study of Former Military Installation, Mobile, Alabama***

Responsible for collecting additional information from one of the areas of concern. Responsible for providing assistance in the development of the Feasibility Study Report and Community Relations Plan. Assisted with the risk assessment performed as part of the feasibility study.

- ***Program/Project Manager, Site Assessments at Tyndall AFB, Florida***

Responsible for preparing project work plan, quality assurance plan, sampling and analysis plan and health and safety plan for the Site Assessments. Responsibilities also included monthly progress reporting and tracking budget. Monthly status reports were also prepared.

- ***Program/Project Manager, Shell Chemical LP, Saraland, Alabama***

Responsible for the implementing groundwater compliance monitoring and developing an annual groundwater management plan. The plan included compilation of data tables and natural attenuation trends. Responsible for implementing free product recovery inspections and preparing and submitting free product recovery reports.

- ***Program manager and delivery order manager at USAED Mobile and various locations.***

Prepared a Corrective Action Plan (CAP) for the site of a C-23 aircraft crash in rural Georgia. Also prepared Chemical Data Acquisition (CDAP) and Site-Specific Health and Safety Plans (SSIHP). Performed headspace analysis with an Organic Vapor Analyzer, collected soil samples, and identified an area affected by the release of fuel from the crash.

- ***Site investigator for two landfill sites in Meridian, MS.***

Prepared CDAP and SSHP. Responsible for overseeing and coordinating all phases of the study, i.e., well installation, groundwater sampling, hydraulic conductivity testing, data interpretation, and preparation of a technical report.

- ***Phase II preliminary assessment screening in Lowndes County, MS.***

Prepared CDAP and SSBP. Following this phase, the project was closed when the Corps abandoned the assessment.

- ***Contamination Assessments (CA) investigator at three sites on Hurlburt AFB, FL.***

Responsible for all phases of the investigation which included direct push screening, monitoring well installation, soil vapor survey, hydraulic conductivity testing, soil and groundwater sampling, and CA report preparation. Coordinated activities with the Florida Department of Environmental Protection.

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## **William K. Parrish**

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- ***Site inspector for 25 sites at Hurlburt AFB, Mary Esther, FL***

Responsible for preparing a work plan, a sampling and analysis plan, and a health and safety plan. The effort included well installation; soil, surface water and sediment sampling; hydraulic conductivity testing; and a radiation survey.

Assisted in the preparation and submittal of the Remedial Action Plan (RAP), which proposed utilization of Two-Phase Vacuum Extraction (TPVE) technology to remediate the petroleum impacted soils and groundwater at the former BX Service Station. The design of the TPVE system was optimized following the completion of a 75-hour pilot study. The pilot test demonstrated drawdown, radius of influence and capture zone, and with approval of RAP and permits granted, supervised the installation and startup of the TPVE system. The system was operated until cleanup levels were reached.

- ***Investigator for remedial investigation/feasibility study for pesticide contamination sites in Alabama and Georgia.***

Responsible for all phases of the investigation which included well installation, soil delineation using a field immunoassay method, soil and groundwater sampling, hydraulic conductivity testing, site-specific risk analysis, regulatory consultation, data interpretation, and submittal of investigative reports.

- ***Contamination assessment investigator at Reno FARP, Trujillo, Honduras.***

Responsible for preparing work plan, chemical data acquisition plan, and site-specific health and safety plan and for all phases of the investigation including well installation, soil and groundwater sampling, hydraulic conductivity testing, data interpretation, and submitting investigative reports.

- ***Preliminary assessment screening, Pass Christian, MS.***

Responsible for all phases of investigation which included soil and well borings, soil and groundwater sampling, hydraulic conductivity testing, data interpretation, and submittal of technical reports.

### **Academic Background**

B.S., Geology, University of South Alabama, 1985

### **Professional Registration**

- 8-Hour Annual Training for Hazardous Waste Site Workers (OSHA 29 CFR 1910.120(e), November 2005)
  - Professional Geologist (FL #0001361, 1992; MS #126, 1998; KY #411, 1993; TN #3063, 1993; AL #139, 1997)
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## **William K. Parrish**

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- Installation Restoration Program Information Management System (IRPIMS) Training, 1996
- 40-Hour Hazardous Materials Worker Site Safety Course, OSHA 29 CFR 1910.120(e), and Annual Refreshers (#96-697, 1996)
- Certified Scuba Diver, 1994
- Non-Rescue Confined Space Entry, OSHA 29 CFR 1910.146 (Initial 1996, #96-717)
- Mid-1992 RCRA Review, 1992
- New Hazardous Waste Identification Rule, 1992
- Final Rule Changes RCRA Land Disposal, 1992
- SARA Seminar, Spring Hill College, January 1989
- Superfund Amendments and Reauthorization Act (SARA), Hazardous Waste Supervisor's Training, 1988
- RCRA Seminar, Spring Hill College, 1987
- Specialized instrument training: EM-31, magnetometer, OVA, HNU, explosimeter, dextsil analyzer, pumping equipment, data loggers, transducers, water level recorders, rainfall gauges, pH conductivity and temperature meters, and weather monitoring stations.
- Advanced computer skills: Surfer, Excel, Word, Aqtesolv, minimal skill level with autocadd..
- Certificate of Achievement from the National Water Well Association for workshop concerning Safety at Hazardous Materials Sites, 40-Hour Hazardous Materials Worker Site Safety Course, OSHA 29 CFR 1910.120(e), January 19-23, 1987, Orlando, Florida

### **Professional Affiliation**

- Alabama Geological Society, Member
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