

Appendix G

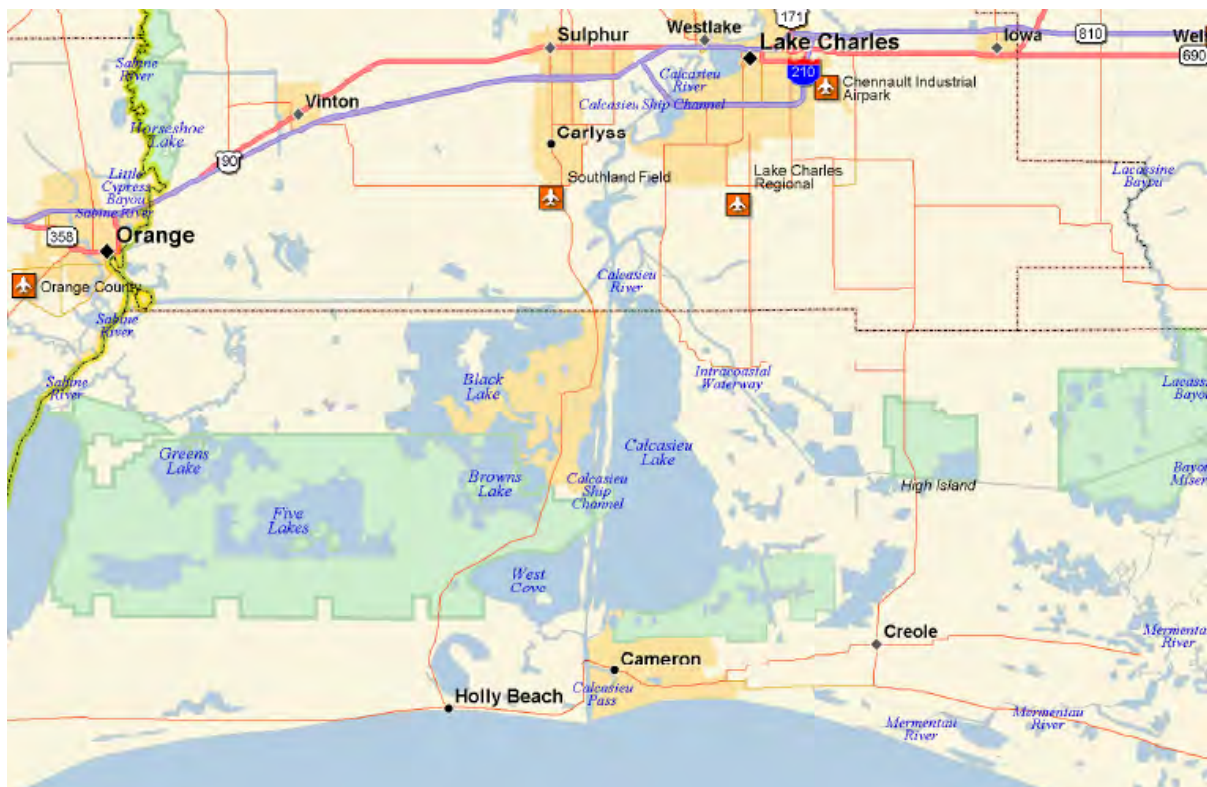
HTRW



**US Army Corps
Of Engineers**
New Orleans District

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE (HTRW) RECONNAISSANCE REPORT

CALCASIEU RIVER AND PASS, LOUISIANA DREDGED MATERIAL MANAGEMENT PLAN



July 2009

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE (HTRW) RECONNAISSANCE REPORT

CALCASIEU RIVER AND PASS, LOUISIANA DREDGED MATERIAL MANAGEMENT PLAN

Contract No. DACW27-03-D-0005
Delivery Order No. CZ03
GEC Project No. 27321CZ03

Prepared for



U.S. Army Corps of Engineers
New Orleans District
New Orleans, Louisiana

Prepared by



Environmental Resources
9357 Interline Avenue
Baton Rouge, Louisiana
225/612-3000

TABLE OF CONTENTS

TABLE OF CONTENTS

Section	Page
1.0 INTRODUCTION.....	1
2.0 PROJECT LOCATION	1
3.0 METHODOLOGY	3
4.0 LIMITATIONS	4
5.0 FINDINGS	4
5.1 Environmental Database Review	4
6.1.1 National Priorities List (NPL) Database	10
6.1.2 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) and No Further Remedial Action Planned (NFRAP) Databases.....	10
6.1.3 Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal (TSD) Sites.....	10
6.1.4 Resource Conservation and Recovery Act (RCRA) CORRACTS Database	11
6.1.5 RCRA Generator Database.....	11
6.1.6 Emergency Response Notification System (ERNS) Database.....	12
6.1.7 State Environmental Databases Reviewed	13
5.2 Additional Record Reviews	15
6.2.1 Oil and Gas Well Distribution.....	15
6.2.2 Mercury Studies.....	17
6.2.3 EPA Calcasieu Estuary Remedial Investigation	18
6.2.4 CITGO Oil Spill	18
5.3 Historical Records Review.....	20
6.3.1 Historical USGS Quadrangle Map Review	20
6.3.2 Historical Fire Insurance Map Review	22
6.3.3 Historical Aerial Photograph Review	22
5.4 Interviews	23
5.5 Site Reconnaissance.....	24
5.5.1 General Description	24
5.5.2 Surface or Buried Containers	25
5.5.3 Discolored Soil.....	26
5.5.4 Seeping Liquids	26
5.5.5 Films on Water.....	26
5.5.6 Abnormal Quantities of Dead Vegetation or Animals	26
5.5.7 Suspect Odors	26
5.5.8 Dead-End Pipes.....	27

TABLE OF CONTENTS

Section	Page
5.5.9 Abnormal Grading, Fills, or Depressions	27
6.0 CONCLUSIONS.....	27
7.0 REFERENCES.....	34
Appendix A: ENVIRONMENTAL DATABASE REPORTS	
Appendix B: SITE RECONNAISSANCE PHOTOGRAPHS	

LIST OF TABLES

Number	Page
1 Environmental Database Research Summary: Sites Assessed within 1 Mile of Ship Channel	5
2 Facilities and Sites Where Incidents Have Been Reported through ERNS.....	13
3 Mercury Concentrations in Fish Tissue at LDEQ Sampling Stations Within the Project Area	17
4 List of Potential REC Sites That May Have Adversely Impacted Environmental Conditions in the Project Area	28

LIST OF FIGURES

Number	Page
1 Project Location	2
2a, b, c Potential REC Sites	7-9
3 Oil Well Locations	16
4 EPA Calcasieu Estuary Initiative Identified High Risk Areas.....	19
5 CITGO Oil Spill Affected Area.....	21
6 HTRW Sites of Concern.....	29

HTRW RECONNAISSANCE REPORT

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE (HTRW) RECONNAISSANCE REPORT

CALCASIEU RIVER AND PASS, LOUISIANA DREDGED MATERIAL MANAGEMENT PLAN

1.0 INTRODUCTION

This phase of the project has been conducted in general accordance with guidelines set forth in the U.S. Army Corps of Engineers (USACE) Regulation ER 1165-2-132, *Water Resources Policies and Authorities for Hazardous, Toxic, and Radioactive Waste Guidance for Civil Works Projects*, 26 June 1992, and the American Society for Testing and Materials (ASTM) Standard E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I, Environmental Site Assessment Process*.

The goal of this effort is to identify recognized environmental condition (REC) sites or potential REC sites in connection with the project area and to provide an opinion based upon an investigation described in the ASTM Standard. This is accomplished through research and site observations to establish whether any of the following conditions exist:

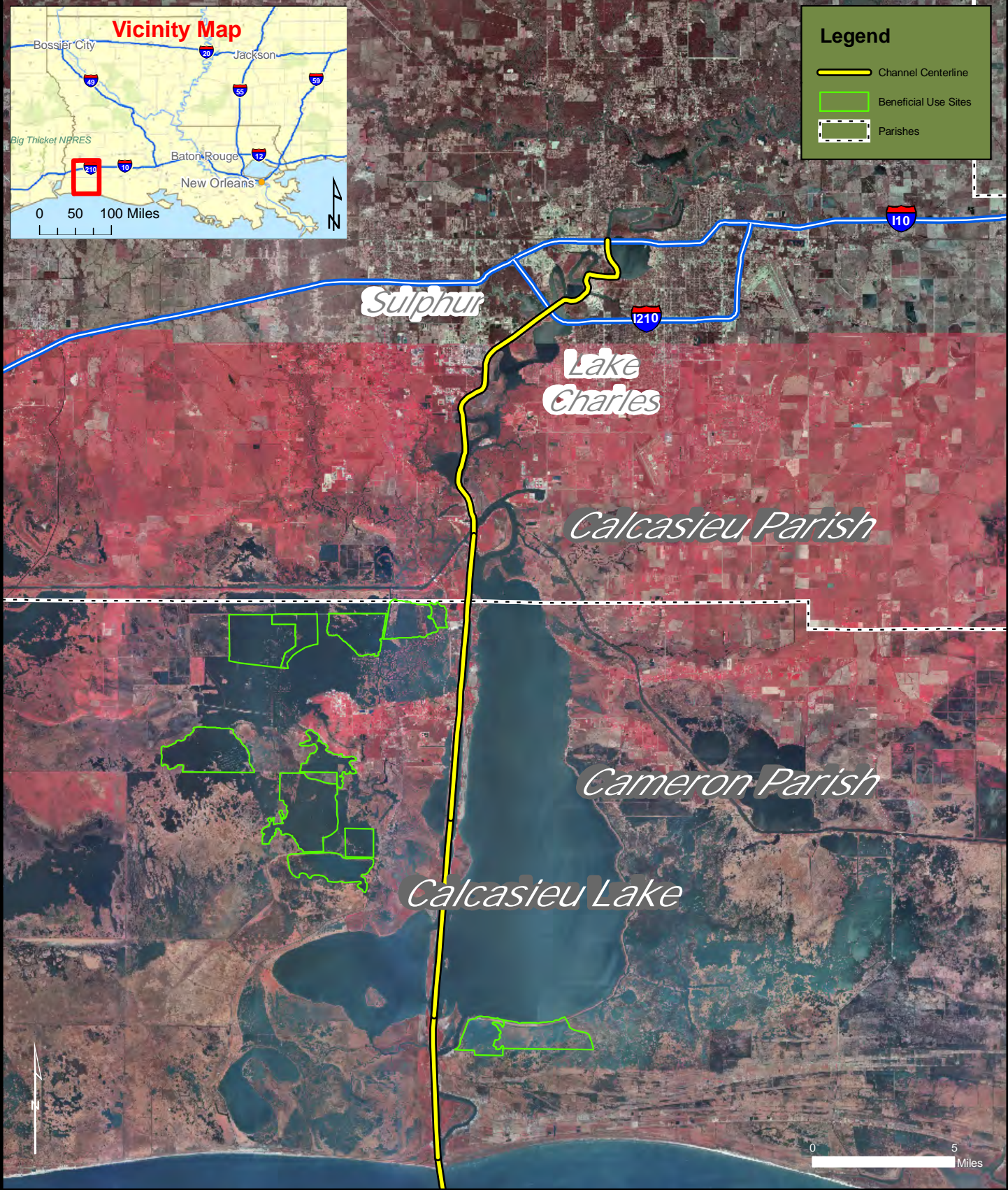
1. Indications that hazardous substances or petroleum products exist, or have existed, on or adjacent to the subject property;
2. The possibility that violations of environmental regulations have occurred on the subject property;
3. The potential for spilled, leaked, disposed, or otherwise released hazardous substances or petroleum products to migrate to the subject property from nearby properties containing such materials; and
4. The existence of unsafe conditions in connection with the subject property.

REC sites were evaluated for their potential to pose constraints to the project engineering design process.

This initial HTRW assessment was conducted by GEC under contract to the USACE, New Orleans District. The database research portion of the project was completed by Banks Information Solutions, Inc. (Banks), as a subcontractor to GEC. A summary of the Banks reports are provided in Appendix A.

2.0 PROJECT LOCATION

The project area comprises the Calcasieu Ship Channel from River Mile 5.0 to River Mile 36.0 and proposed beneficial use sites in the marsh and open water near the eastern and western shores of Calcasieu Lake in Calcasieu and Cameron parishes, Louisiana (Figure 1). The project area is bounded on the north by Interstate (I-) 10 and on the south by the Gulf of Mexico.



PROJECT LOCATION

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE RECONNAISSANCE REPORT
CALCASIEU RIVER AND PASS, LOUISIANA

Landsat Thematic Mapper Satellite Image: 2004-2005 RGB753-Pan Merge, LDEQ (2004-2005)



Figure: 1

Date: January 2009

Scale: 1:300,000

Source: USACE, LDEQ

Map Author: 27585101-918

The Calcasieu Ship Channel is a federal navigation channel and is utilized for commercial, industrial, and private vessel traffic. The beneficial use sites are generally privately owned and support commercial, recreational, and residential land use as well as oil and gas exploration. Land use in the adjacent properties is intermixed industrial, commercial, and residential. Populated places adjacent to the project area include the cities of Lake Charles and Westlake and the towns of Hackberry and Cameron. The project area also contains a portion of the Sabine National Wildlife Refuge, a wildlife sanctuary administered by the U.S. Fish and Wildlife Service (USFWS).

3.0 METHODOLOGY

The initial HTRW assessment consists of four major components:

1. A review of federal, state and local environmental database records and a review of current and historical physical setting records;
2. A site reconnaissance to observe project corridor environmental conditions and indications of impacts or potential impacts to the environment;
3. Interviews with local government officials familiar with environmental conditions of the project corridor; and
4. Preparation of this report.

The environmental database reports developed by Banks include reports on each site identified with information about the cause(s) for listing and the site's current status. This information is utilized to determine which, if any, sites warrant further scrutiny for the potential presence of HTRW.

Seven federal and four state databases, listed below, were reviewed in 2006 to assess the area along the Calcasieu Ship Channel between channel mile 36 and the Gulf of Mexico. The same databases were reviewed again in 2007 to assess the proposed beneficial use sites, and in January, 2009 to assess expanded areas of the proposed beneficial use sites. A Banks report of these databases was issued again in June 2009 that specifically targeted a list of additional companies located within one mile of the ship channel recommended for assessment by the Port of Lake Charles and the U.S. Fish and Wildlife Service, Lafayette office. Appendix A provides summaries of the 2006, 2007, and 2009 Banks reports.

Federal Databases:

- NPL – National Priority List. The U.S. Environmental Protection Agency's (EPA) list of confirmed or proposed Superfund sites
- CERCLIS – The EPA's Comprehensive Environmental Response, Compensation and Liability Information System
- NFRAP – A CERCLIS designation indicating that to the best of the EPA's knowledge, assessment of a site has been completed and the EPA has determined no further remedial action is planned

- RCRA TSD – The EPA’s list of Resource Conservation and Recovery Information System (RCRIS) - Treatment, Storage and Disposal facilities
- RCRA COR – The EPA’s list of Corrective Action Sites
- RCRA GEN – The EPA’s list of large and small quantity hazardous waste generators
- ERNS – The EPA’s list of emergency response actions (Emergency Response Notification System)

State Databases:

- SCL – The Louisiana Department of Environmental Quality (LDEQ) list of facilities and/or locations recognized with potential or existing environmental contamination (updated quarterly).
- SWL – Solid waste landfills and transfer stations registered by LDEQ
- LUST – The LDEQ list of all leaking underground storage tanks
- RUST – The LDEQ list of all registered underground or above storage tanks

For the site reconnaissance component of the initial HTRW assessment, a site visit was conducted at those sites within the project area where access was available to observe conditions and activities at these locations.

For the interview process, interviews with public officials familiar with the study corridor were conducted through a combination of telephone calls, emailed maps, and in-person interviews. Public officials were sought that had knowledge of environmental conditions in the project area. Four key government offices were identified that could provide such knowledge: (1) Lake Charles Harbor and Terminal District, (2) the USFWS Sabine National Wildlife Refuge; (3) The LDEQ Southwest Regional Office Surveillance Division; and (4) the Calcasieu and Cameron Parish Offices of Emergency Preparedness. Interviewees were asked to provide knowledge of any sites, incidents, conditions, businesses, etc., that could require further investigation or remediation, either surface or subsurface, and of which project planners should be aware.

4.0 LIMITATIONS

This initial HTRW assessment was conducted in general accordance with guidelines set forth by Part 7 of ER 1165-2-132 and ASTM Standard E 1527-05. An assessment of HTRW risk was made through a review of environmental databases and a site reconnaissance.

Much of the information provided in the report was compiled from public records and other sources maintained by third parties. Although reasonable care was exercised in its preparation, a potential exists for errors, omissions, or inaccurate information from third parties.

5.0 FINDINGS

5.1 Environmental Database Review

Table 1 provides an inventory of sites listed in federal and state environmental databases identified by GEC and Banks during the environmental records reviews in 2006, 2007, and 2009. Maps of all plottable sites identified by Banks are presented in Figures 2a, b, and c. Some of the sites assessed are not featured on the maps because of insufficient location information. Additional information for each site, including addresses and distance from the ship channel, are provided in Appendix A.

A description of each database, along with a list of sites reported in each database, is provided in the following sections of this report.

**Table 1. Environmental Database Research Summary:
Sites Assessed within 1 Mile of Ship Channel**

AIR LIQUIDE AMERICA CORP.– LAKE CHARLES	ISLE OF CAPRI
AIR LIQUIDE AMERICA CORP.– WESTLAKE	J.B. WAKINS #135
ALCOA SPECIALTY CHEMICALS	J.B. WAKINS WELL NO. 239
AMOCO PIPELINE	JOHN MICELLE MEAT PACKERS
AMOCO PRODUCTION CO.	JOHN N JOHN TRUCK LINE INC.
ARCH CHEMICAL	KRONOS LOUISIANA INC
BAROID CAMERON FACILITY	L & L OIL CO.
BASELL USA INC - WESTLAKE FACILITY	L AUBERGE DU LAC
BASELL USA INC LAKE CHARLES PLANT	LAKE CHARLES HARBOR AND TERMINAL DIST.
BIOLAB INC.	LAKE CHARLES STEVEDORES, INC.
BOLLINGER CALCASIEU LLC	LAKE CHARLES, CITY OF WWTP BANDC
BRAMMER ENGINEERING	LOUISIANA PIGMENT CO LP - TITANIUM
BRIDGE POINT YACHT CENTER	LYONDELL CHEMICAL CO.
BROWN S EXXON	MAINTENANCE SHOP LLC
BUREAU OF INDIAN AFFAIRS CONTACT I	MANAGAN BUILDING MATERIALS, INC.
CALCASIEU REFINERY	MARTIN OPERATING PART.LP
CALCASIEU REFINING CO	M-I DRILLING/WESTLAKE
CALHOUN HOLDINGS, LP CHARDELE MOBIL	MICHELL PROPERTY
CAMERON PARISH SEWERAGE DISTRICT	MIKE HOOKS CO.
CERTAINTEED PRODUCTS CORP	MONTELL U.S.A., INC.
CHEVRON USA	OLIN CORP.
CHLORINE PROCESS UNIT	OXY NGL INC.
CHLORINE SCRUBBER	POLYMERS COGENERATIO CO
CII CARBON LLC LAKE CHARLES CALCINI	PORT AGGREGATES INC - ELLENDER YARD
CIRCLE A FOOD STORE	PPG INDUSTRIES, INC.
CITGO PETROLEUM	PRAXAIR INC
COLONIAL PIPELINE	QUEST/REYNOLDS METAL
CONDEA VISTA	R E HEIDT CONST CO INC

TABLE 1 (CONTINUED)	
CONOCO	RAIN CII CARBON LLC
CONOCO PPG CO STA	REAGENT CHEMICALS
D S I TRANSPORTS	REYNOLDS METALS
DEBARGES CONVENIENT STORE	SABINE GAS PLANT
DEVALL ENTERPRISES INC	SABINE NATIONAL WILDLIFE REFUGE
DEVALL TOWING AND BOAT SERVICE	SABINE PIPELINE CO.
DIATSU OIL AND GAS	SASOL NORTH AMERICA INC
DUNHAM-PRICE LLC - MIKE HOOKS ROAD	SHELL OIL CO. GAS PLANT
FINA (CLOSED SITE)	SHELL WESTERN E & P
FIRESTONE POLYMERS	SOCO OFFSHORE, INC.
FIRESTONE RUBBER AND LATEX	SPORTYS
FIRESTONE SYNTHETIC RUBBER	SULPHUR CITY OF - REGIONAL WWTP
GEOSPECIALTY CHEMICALS,INC.	TESSENDERLO KERLEY INC.
GIFFORD HILL & CO INC.-PLANT #58	TETRA TECHNOLOGIES - WESTLAKE
GLOBAL INDUSTRIES LTD	TEXACO-MUD LAKE STATION
GLOBAL MODULAR SOLUTIONS LLC - MANU	TOLUENE DIAMINE UNIT
GLOBAL POLLUTION SVCS INC.	TRUCKLINE LNG COMPANY, LLC - LAKE C
GOODWRENCH OIL	TRUNKLINE LNG COMPANY, LLC
HACKBERRY TERMINAL	U.S. EPA HURRICANE RITA
HALLIBURTON ENERGY SERVICES - LAKE	UNION PACIFIC RAILROAD
HALLIBURTON ENERGY SERVICES INC	VENCO LAKE CHARLES CALCINING PLANT
HARVEST PIPELINE	W R GRACE CO - CONN - DAVISON DIV
HEIDT HOTMIX ASPHALT FAC NR 6	WESTLAKE POLYMERS CORP LAKE CHARLES
HOLCIM INC	WESTLAKE STYRENE CORP
HOLNAM INC - LAKE CHARLES A	WESTLAKE STYRENE CORP MARINE TERM
HOUSTON MARINE SERVICES	W-H HOLDINGS INC.
INDUSTRIAL CONSTRUCTION RENTALS	WRIGHTS TEXACO
	ZAPATA HAYNIE CORP-CAMERON PLANT

Source: Banks Information Solutions, Inc., 2006, 2007, 2009.

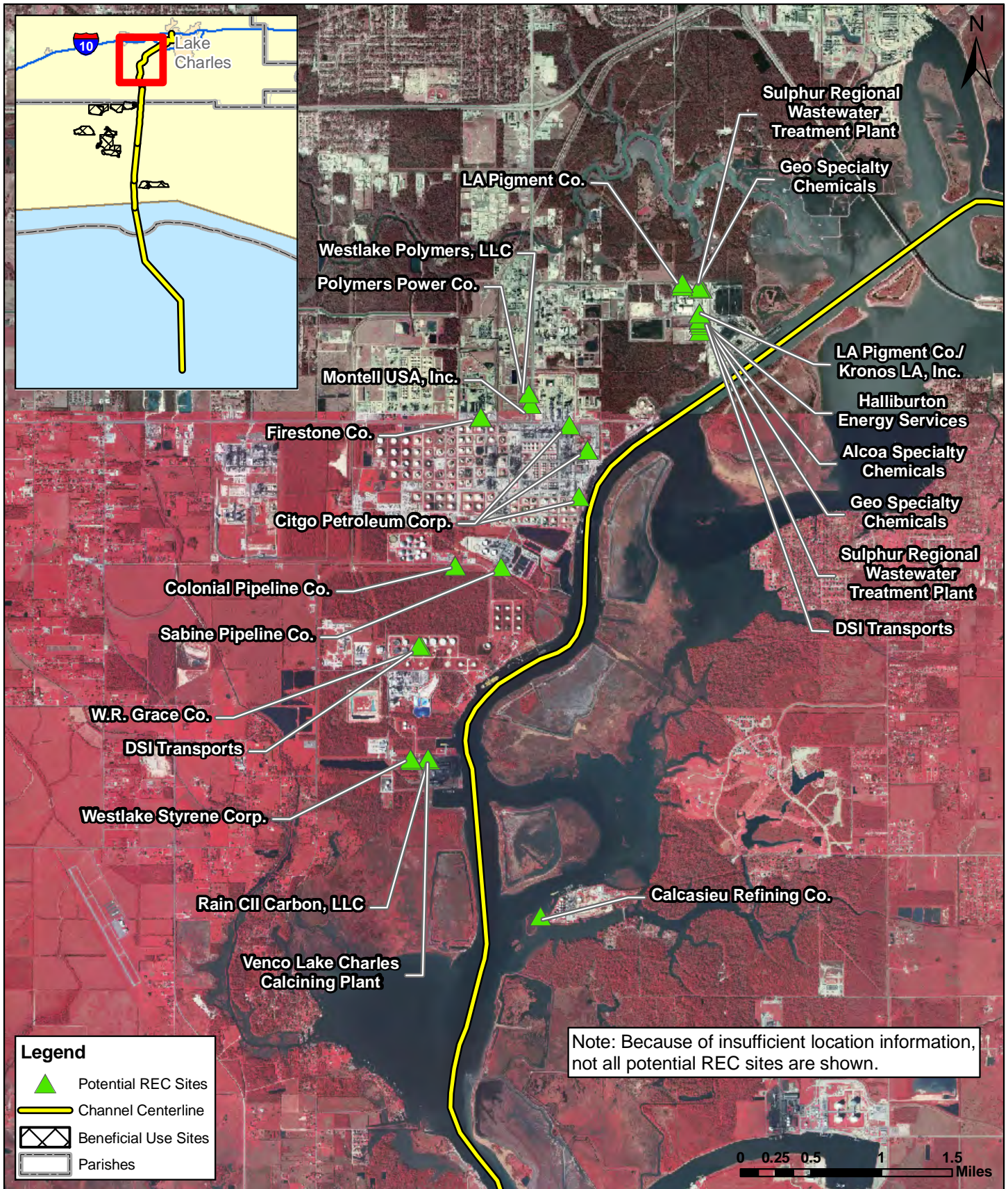


POTENTIAL RECOGNIZED ENVIRONMENTAL CONDITION (REC) SITES

Hazardous, Toxic, and Radioactive Waste Reconnaissance Report
Calcasieu River and Pass, Louisiana

Landsat Thematic Mapper Satellite Image: 2004-2005 RGB753-Pan Merge, LDEQ (2004-2005), Banks Data


Figure: 2a
Date: July 2009
Scale: 1:30,000
Source: USACE, BANKS, LDEQ
Map ID: 27585107-1624

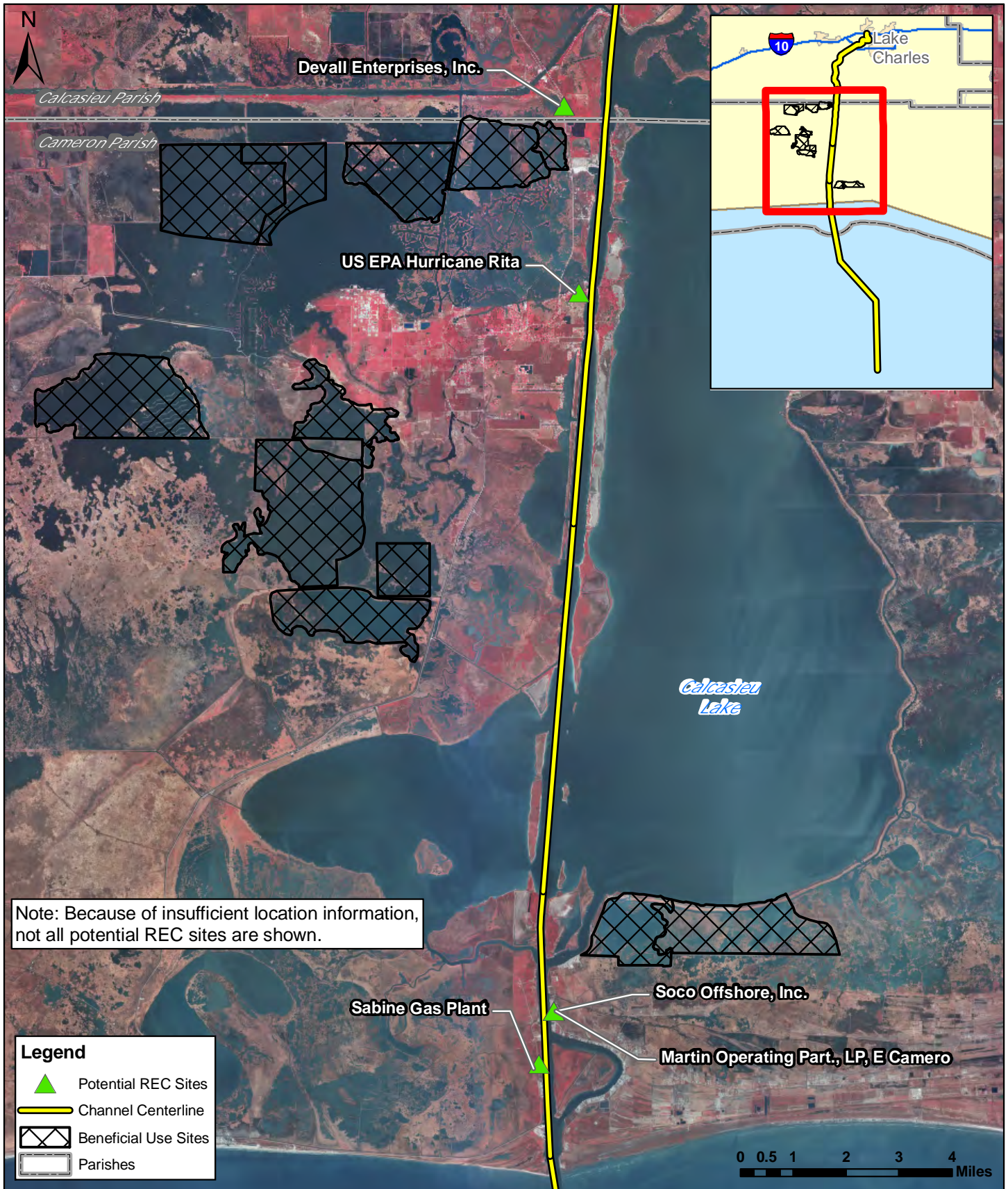


POTENTIAL RECOGNIZED ENVIRONMENTAL CONDITION (REC) SITES

Hazardous, Toxic, and Radioactive Waste Reconnaissance Report
Calcasieu River and Pass, Louisiana





Landsat Thematic Mapper Satellite Image: 2004-2005 RGB753-Pan Merge, LDEQ (2004-2005), Banks Data


Figure: 2b
Date: July 2009
Scale: 1:60,000
Source: USACE, BANKS, LDEQ
Map ID: 27585107-1625




Note: Because of insufficient location information, not all potential REC sites are shown.

Legend

-  Potential REC Sites
-  Channel Centerline
-  Beneficial Use Sites
-  Parishes

POTENTIAL RECOGNIZED ENVIRONMENTAL CONDITION (REC) SITES
 Hazardous, Toxic, and Radioactive Waste Reconnaissance Report
 Calcasieu River and Pass, Louisiana

Landsat Thematic Mapper Satellite Image: 2004-2005 RGB753-Pan Merge, LDEQ (2004-2005), Banks Data


Figure: 2c
Date: July 2009
Scale: 1:160,000
Source: USACE, BANKS, LDEQ
Map ID: 27585107-1626

5.1.1 National Priorities List (NPL) Database

The NPL is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the U.S. Department of Health and Human Services (HHS) and the EPA in order to become an NPL site.

Review of the EPA's NPL database indicates no such sites are located within one mile of the ship channel.

5.1.2 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) and No Further Remedial Action Planned (NFRAP) Databases

The CERCLIS database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated or are currently under investigation by the EPA for the release or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation and may ultimately be placed on the NPL. CITGO Petroleum Corporation is the only facility listed as a CERCLIS site based on the 2006, 2007, and 2009 Banks reports. Please see Appendix A for more information.

One orphan CERCLIS site was also listed in the database as potentially occurring within the search radius. Subsequent research was unable to locate this site; however, information provided in the CERCLIS database indicated that the site had been remediated and is therefore believed to have had little, if any, adverse impact on environmental conditions within the project area.

The NFRAP Report, also known as the CERCLIS Archive, contains information pertaining to sites that have been removed from the EPA's CERCLIS database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or contamination was not serious enough to require Superfund action or NPL consideration. Dunham Price Inc. is listed in the NFRAP Report in the 2006 report (Appendix A).

5.1.3 Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal (TSD) Sites

RCRA TSDs are facilities that treat, store, and/or dispose of hazardous waste. Review of the Banks reports of the database indicates that three potential REC sites are located within one-half mile of the project area. They include:

- CITGO Petroleum Corporation
- Lyondell Chemical Company/Arch Chemicals
- Olin Corporation/Lyondell Chemical/Arch Chemical/Reagent Chemicals/Praxair, Inc.

Please see Appendix A for more information.

5.1.4 Resource Conservation and Recovery Act (RCRA) CORRACTS Database

The EPA's RCRA database contains information concerning RCRA facilities that have conducted, or are currently conducting, a corrective action. A Corrective Action Order is issued pursuant to RCRA Section 3008(h) when a release of hazardous waste or constituents into the environment occurs from a RCRA facility. Corrective actions may also be imposed as a requirement of receiving and maintaining a transportation/storage/disposal facility (TSDF) permit.

Review of the EPA's RCRA CORRACTS database, in the 2006 Banks report, indicates two potential REC sites are located within one mile of the project area. These include:

- CITGO Petroleum Corporation
- Olin Corporation/Lyondell Chemical/Arch Chemical/Reagent Chemicals/Biolab, Inc./Praxair, Inc.

5.1.5 RCRA Generator Database

The EPA's RCRA Generator Database provides a list of Large Quantity Generators and Small Quantity Generators. Large Quantity Generators are defined as facilities that generate at least 1,000 kilograms per month (kg/mo) of non-acutely hazardous waste or one kg/mo of acutely hazardous waste. Small Quantity Generators generate less than 1,000 kg/mo of non-acutely hazardous waste.

The 2006 and 2009 Banks reports show that the following facilities are RCRA generators located near the project area. More information on these companies, including addresses, can be found in Appendix A.

- Calcasieu Refining Co.
- CITGO Petroleum Corporation
- Colonial pipeline Lake Charles
- Devall Enterprises Inc.
- Dunham Price Inc.
- EPA Hurricane Rita
- Firestone Polymers, LLC
- Geo Specialty Chemicals
- Halliburton Energy Services
- Holcim Inc.

- Industrial Construction Rentals
- Isle of Capri

- L'Auberge Du Lac

- Lake Charles Stevedores Inc.

- Lake Charles Waste Water Div., City of

- Louisiana Pigment Co., L.P

- Lyondell Chemical Company/Arch Chemicals (3 listings)

- Maintenance Shop LLC

- Olin Corporation/Lyondell Chemical/Arch Chemical/Reagent Chemicals/Biolab, Inc./Praxair, Inc. (3 listings)

- Praxair

- Rain CII Carbon LLC

- R.E. Heidt Const. Co.

- Sabine Gas Plant

- Soco Offshore/Martin Operating Plant (2 listings)

- Sulphur Wastewater Plant, City of

- Union Pacific Railroad

- Westlake Styrene, LP-Marine Terminal

5.1.6 Emergency Response Notification System (ERNS) Database

ERNS is a national database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals, oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemical have been found, and drills intended to prepare responders to handle these kinds of incidents. The ERNS reporting system contains preliminary information on specific releases, including spill location, substance released, and responsible parties. Table 2 lists the facilities and sites where incidents have been reported. Additional information about the companies can be found in Appendix A.

Table 2: Facilities and Sites Where Incidents Have Been Reported through ERNS

<i>Facility/Site</i>	<i>Number of Reported Incidents</i>
Calcasieu Refining	1
Citgo Petroleum	1
Firestone	8
Kronos	3
Louisiana Pigment L.P.	69
Mike Hooks Co.	1
Montell USA Inc.	1
Olin Corporation/Lyondell Chemical/Arch Chemical/Reagent Chemicals/Biolab, Inc./Praxair, Inc.	26
PPG Industries	15
R.E. Heidt Construction	1
Toluene Dynamite Unit	1
Unnamed Incident, 1920 Paktank Rd., Sulphur, LA	1
Unnamed Incident, Mile 30 on the Calcasieu River	1
Unnamed Incident, Spoil Bank in Hackberry	1
Unnamed Incident, Dock in Calcasieu River	1
Unnamed Incident, Pelican Refining Facility	1
Unnamed Incident, Calcasieu River Outfall in Lake Charles	1
Unnamed Incident, 900 I-10 West	1
Venco/Conoco	1
West Lake Styrene	1

Source: Banks Environmental Data, 2006, 2007, and 2009

5.1.7 State Environmental Databases Reviewed

State Equivalent NPL (SCL) Database

This database, updated quarterly, is maintained by the LDEQ Inactive and Abandoned Sites Division in accordance with requirements contained in LA R.S. 30:2226H. The database provides a listing of all known potential and confirmed hazardous waste sites maintained by the Office of Waste Services - Inactive and Abandoned Sites Division.

Review of the SCL database indicates three potential REC sites are located within one mile of the project area. Two orphan sites were also listed as potentially occurring within the ASTM-recommended search radius of the project area. Subsequent research indicates that the sites do not appear to be located within one mile of the project area.

- CITGO Petroleum Corporation- Clifton Ridge Terminal
- Sabine Pipeline Company

- Olin Corporation/Lyondell Chemical/Arch Chemical/Reagent Chemicals/Biolab, Inc./Praxair, Inc.

Solid Waste Landfill Facilities (SWL) Databases

The listing of permitted solid waste landfills maintained by the LDEQ Permits Division related to solid waste and landfill disposal facilities was reviewed.

Review of this database indicates no such sites are located within one-half mile of the project area.

Leaking Underground Storage Tank (LUST) Database

Initial queries of this LDEQ database, last updated February 2009, indicates two potential REC sites are located within one-half mile of the project area. One of the facilities is cross-listed in multiple databases. Two orphan sites were also listed as potentially occurring within the ASTM-recommended search radius of the project area. Subsequent research indicates that the sites do not appear to be located within one-half mile of the project area.

- John Micelle Meat Packers
- Sporty's #116

Registered Underground Storage Tank (UST) Database

Review of this LDEQ database, last updated January 2009, indicates eight potential REC sites (two of which have multiple listings) located within one-quarter mile of the project area and one orphan site potentially located within one-quarter mile of the project area. Several of the facilities are cross-listed in multiple databases. Five orphan sites were also listed as potentially occurring within the ASTM-recommended search radius of the project area. Subsequent research indicates that the sites do not appear to be located within one-quarter mile of the project area.

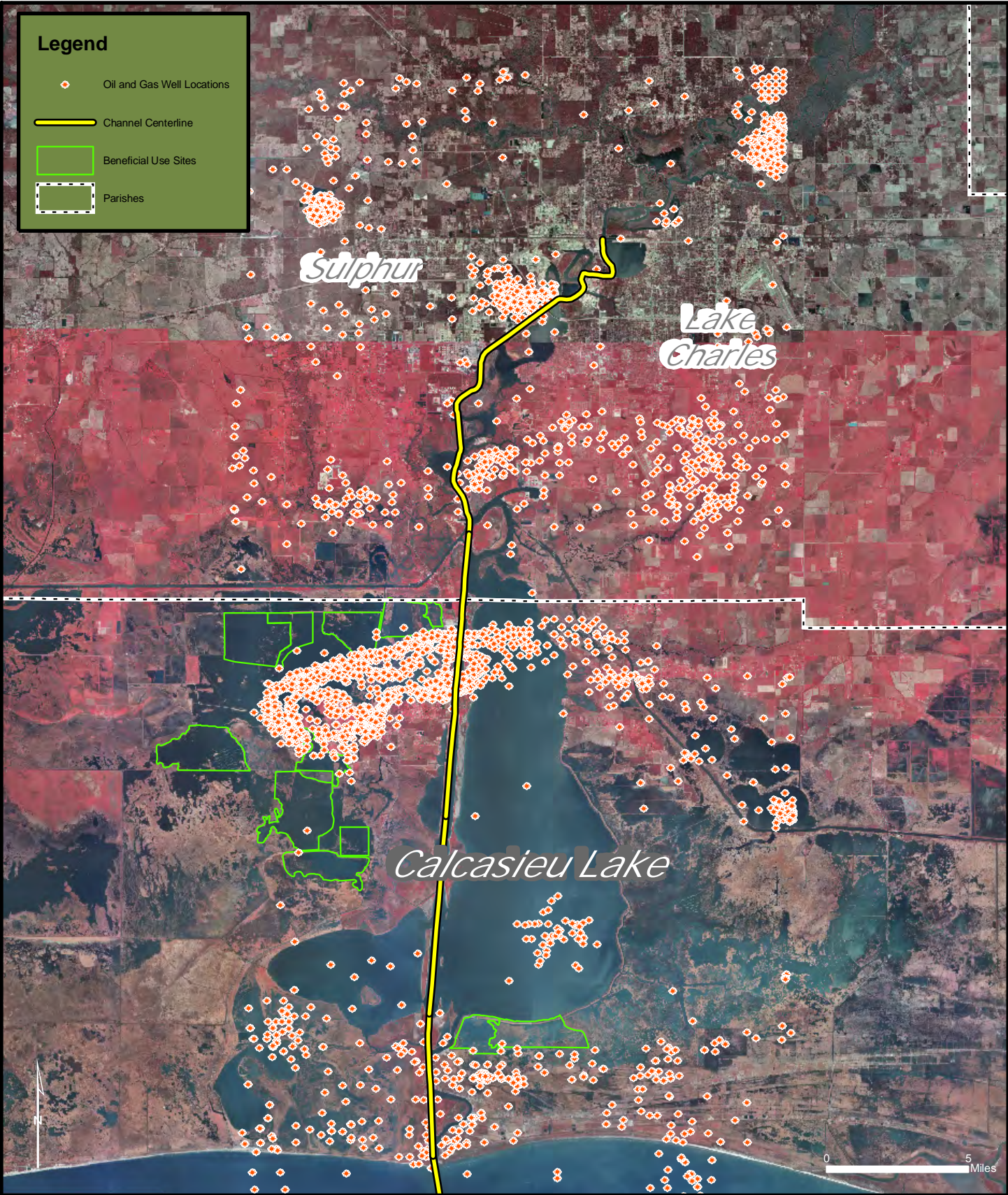
- Basell USA Inc.--Westlake Facility
- City of Lake Charles Wastewater Department
- Dunham Price Inc.
- Olin Corporation/Lyondell Chemical/Arch Chemical/Reagent Chemicals/Biolab, Inc./Praxair, Inc.
- Lake Charles Stevedores Inc. (2 listings)
- John Micelle Meat Packers (2 listings)
- John N John Truck Line Inc.
- Halliburton Energy Services

- Managan Building Materials Inc.
- FINA (Closed Site)

5.2 Additional Record Reviews

5.2.1 Oil and Gas Well Distribution

Southwestern Louisiana is an area with substantial petroleum resources, and individual oil wells and oil fields are common occurrences in the vicinity of the project area. Oil wells pose a potential REC concern because of the possibility of a surface discharge of crude oil resulting from a well or transfer pipeline rupture. The Louisiana Department of Natural Resources (LDNR) oil well database was queried for the locations of oil wells in the vicinity of the project area. The results of this query are presented in Figure 3. As Figure 3 indicates, numerous oil wells are found in close proximity to the project area. Four areas with high concentrations of oil wells are present within or adjacent to the project area. These areas are the Lockport Oil and Gas field, located on the right descending channel bank between Coon Island and the Rose Bluff Cutoff; the East Moss Lake Oil and Gas Field, located on the left descending channel bank between Bayou Guy and Devil's Elbow; the East Hackberry Oil Field, on both banks between Crab Gully and the southern boundary of the town of Hackberry; and the Cameron Oil and Gas Field, located on both channel banks between St. Johns Island and the Gulf of Mexico. The highest concentrations of wells are present in the Lockport Oil and Gas Field and the East Hackberry Oil Field. Although no incidents relating to the discharge of crude oil from wells at any of the four locations discussed above were identified in the environmental database report, the possibility exists that these locations have adversely affected environmental conditions within the project area, and these sites remain a potential HTRW concern for the proposed project.



OIL WELL LOCATIONS

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE RECONNAISSANCE REPORT
CALCASIEU RIVER AND PASS, LOUISIANA

Landsat Thematic Mapper Satellite Image: 2004-2005 RGB753-Pan Merge, LDEQ (2004-2005)



Figure: 3

Date: January 2009

Scale: 1:300,000

Source: USACE, LCHTD, LDEQ

Map Author: 27585101-918

5.2.2 Mercury Studies

Mercury is an element of particular HTRW concern because of its effects on the human nervous system. Mercury occurs naturally in many sediments, groundwater, and surface water in Louisiana, but industrial operations may also contribute to elevated mercury concentrations in sediments and water, particularly in areas with substantial industrial facilities such as the northern portion of the project area. Common artificial sources of mercury include landfills, chlor-alkali plants, and coal-fired power plants. Elemental mercury in river or lake sediments is converted to methyl mercury by bacterial methylation. Methyl mercury is readily accumulated in aquatic invertebrates and vertebrates, particularly in top-level predators such as fish. Consequently, elevated mercury concentrations in fish tissue may indicate substantial mercury contamination in the surrounding bottom sediments.

The LDEQ Mercury Initiative monitors mercury concentrations in fish tissue collected from sampling stations distributed throughout state waterbodies. Nine sampling stations are present within or adjacent to the portion of the Calcasieu Ship Channel that is present within the project area. Table 3 presents information on mercury concentrations recorded in fish tissue sampled from these stations.

As Table 3 indicates, the highest concentrations of mercury were present in samples taken from Bayou D'Inde near Lake Charles and Coon Island Loop west of Lake Charles. Both of these sampling stations are located in the vicinity of large industrial facilities, indicating that industrial operations are a likely source of the elevated mercury concentrations in the sampled tissue.

Table 3. Mercury Concentrations in Fish Tissue at LDEQ Sampling Stations Within the Project Area

LDEQ Sampling Site ID	Site Name	Average Concentration (ppm)	Maximum Value (ppm)
94	Bayou d'Inde near Lake Charles, Louisiana	0.669	0.797
170	Bayou d'Inde WSW of Lake Charles, Louisiana	0.117	0.185
181	Calcasieu River Coon Island Loop, west of Lake Charles, Louisiana	0.066	0.17
182	Calcasieu River Coon Island Loop, near Westlake, Louisiana	0.832	0.884
183	Calcasieu River Clooney Island Loop, west of Lake Charles, Louisiana	0.168	0.231
184	Calcasieu River Clooney Island Loop, near Lake Charles, Louisiana	0.043	0.043
187	Calcasieu River at mile 27.61, near Lake Charles, Louisiana.	0.111	0.281
190	Calcasieu Lake West Pass near Grand Lake, Louisiana	0.109	0.191
876	Calcasieu Lake at Nine Mile Cut, Louisiana	0.09	0.244

Source: LDEQ, 2006.

The maximum concentrations in tissues sampled from these locations were near 1.0 part per million (ppm), the lower threshold concentration identified by the National Oceanic and Atmospheric Administration for chronic adverse effects in aquatic organisms. Although the LDEQ Mercury Initiative does not sample sediments, fish tissue analysis appears to indicate that substantial mercury contamination may be present in channel sediments in the vicinity of Coon Island and Bayou d'Inde.

5.2.3 EPA Calcasieu Estuary Remedial Investigation

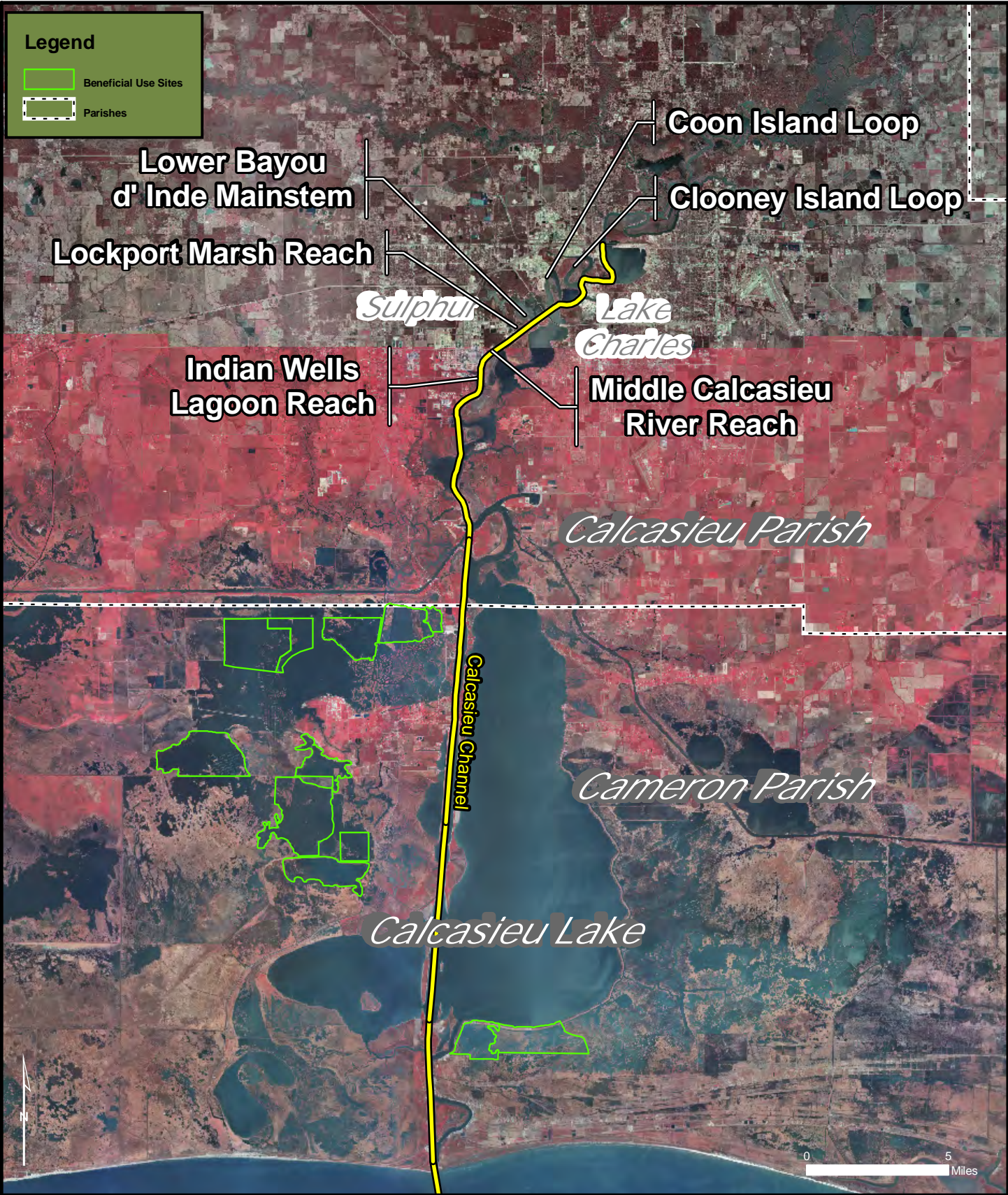
The 2002 report *Calcasieu Estuary Remedial Investigation/Feasibility Study (RI/FS): Baseline Ecological Risk Assessment (BERA)* prepared by CDM Federal Programs Corporation for the EPA contains data on contaminants in the Calcasieu Estuary, which is present in the northern portion of the project area. The study divided the Calcasieu Estuary into three reaches and analyzed each for contaminants and risk to aquatic receptors. The reaches studied in the report were as follows:

- Upper Calcasieu River- the portion of the estuary from the saltwater barrier north of I-10 to the I-210 Bridge;
- Bayou d'Inde - the portion of the estuary encompassing Bayou d'Inde and its confluence with the Calcasieu River; and
- Middle Calcasieu River- the portion of the estuary from the I-210 Bridge to the outlet of Moss Lake, excluding Bayou d'Inde.

The report concluded that a number of contaminants are adversely affecting microorganisms, aquatic plants, benthic invertebrates, and fish in the estuary. Contaminants identified in estuary sediments included chromium, copper, lead, mercury, nickel, zinc, 18 individual polycyclic aromatic hydrocarbons (PAHs), total low-molecular weight PAHs, total high-molecular-weight PAHs, total PAHs, total polychlorinated biphenyls (PCBs), aldrin, dieldrin, bis(2-ethylhexyl)phthalate (BEHP), hexachlorobenzene (HCB), and tetrachlorodibenzo-*p*-dioxin toxic equivalents (TCDD TEQs). Contaminants within the Upper and Lower Calcasieu River reaches were generally present in levels constituting a low risk to aquatic receptors within the reaches, while contaminants within the Bayou d'Inde reach were generally present in levels constituting a high risk to aquatic receptors within the reach. Areas in the vicinity of the project area that posed the highest risk included the Clooney Island Loop and Coon Island Loop in the Upper Calcasieu River, the lower Bayou d'Inde Mainstem and Lockport Marsh Reach in Bayou d'Inde; and the Middle Calcasieu River Reach and Indian Wells Lagoon Reach in the Middle Calcasieu River. The locations of these areas is presented in Figure 4. The conclusions of the report indicate that sediments in these areas may pose a substantial HTRW concern to the proposed project.

5.2.4 CITGO Oil Spill

Additional research revealed a potential REC incident within the project area. A release of waste water and oil occurred at CITGO's Lake Charles Manufacturing Complex in June 2006. The event occurred during a period of heavy precipitation, and consequently the facility's waste water treatment storage tanks could not contain the discharge, resulting in an overflow into the containment dike and a release to the Indian Marais, an on-site drainage structure. The facility also experienced operational problems during the episode, including intermittent flaring and sulfur dioxide emissions above permitted levels. Approximately 99,000 barrels were released from tanks into the secondary containment dike complex. Approximately 53,000 barrels were released from the dike complex. Of this total, approximately 28,000 barrels were contained onsite within Indian Marais, and approximately 25,000 barrels were released into the Calcasieu River. Approximately six miles of the Calcasieu River was impacted by the spill. The U.S. Coast Guard (USCG) subsequently closed down a portion of the Calcasieu Ship Channel to vessel traffic in order to contain and recover the discharged product. The closed portion of the



Legend

- Beneficial Use Sites
- Parishes

**EPA CALCASIEU ESTUARY INITIATIVE
IDENTIFIED HIGH RISK AREAS**

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE RECONNAISSANCE REPORT
CALCASIEU RIVER AND PASS, LOUISIANA



Figure: 4
Date: January 2009
Scale: 1:300,000
Source: USACE, EPA
Map Author: 27585101-918

Landsat Thematic Mapper Satellite Image: 2004-2005 RGB753-Pan Merge, LDEQ (2004-2005)

channel, referred to by the USCG as the Safety Zone, stretched from immediately south of Coon Island to immediately north of Choupique Island and encompassed the area affected by the spill and the immediately adjacent upstream and downstream locations (Figure 5). To date, all recoverable oil has been removed from the channel and cleanup operations along the shoreline are ongoing. Based on this information, it is believed that this incident may have adversely impacted environmental conditions within the project area.

5.3 Historical Records Review

For this project, GEC researched historical quadrangles for structures, mines, quarries, clearings, wells, and land use in order to: (1) ascertain development of the project area since the early 20th century; and (2) identify indications of possible items of environmental concern. Historic city directories, usually reviewed by GEC when conducting such research, do not exist for the project area.

In accordance with ASTM E 1527-05, current USGS 7.5-Minute Topographic Maps were utilized as the primary physical setting source. Additional sources were utilized to ascertain the geologic, hydrogeologic, hydrologic, and topographic conditions of the project site. The sources include the following:

- USGS Groundwater Maps;
- LGS Bedrock Geology Maps; and
- LGS Surficial Geology Maps.

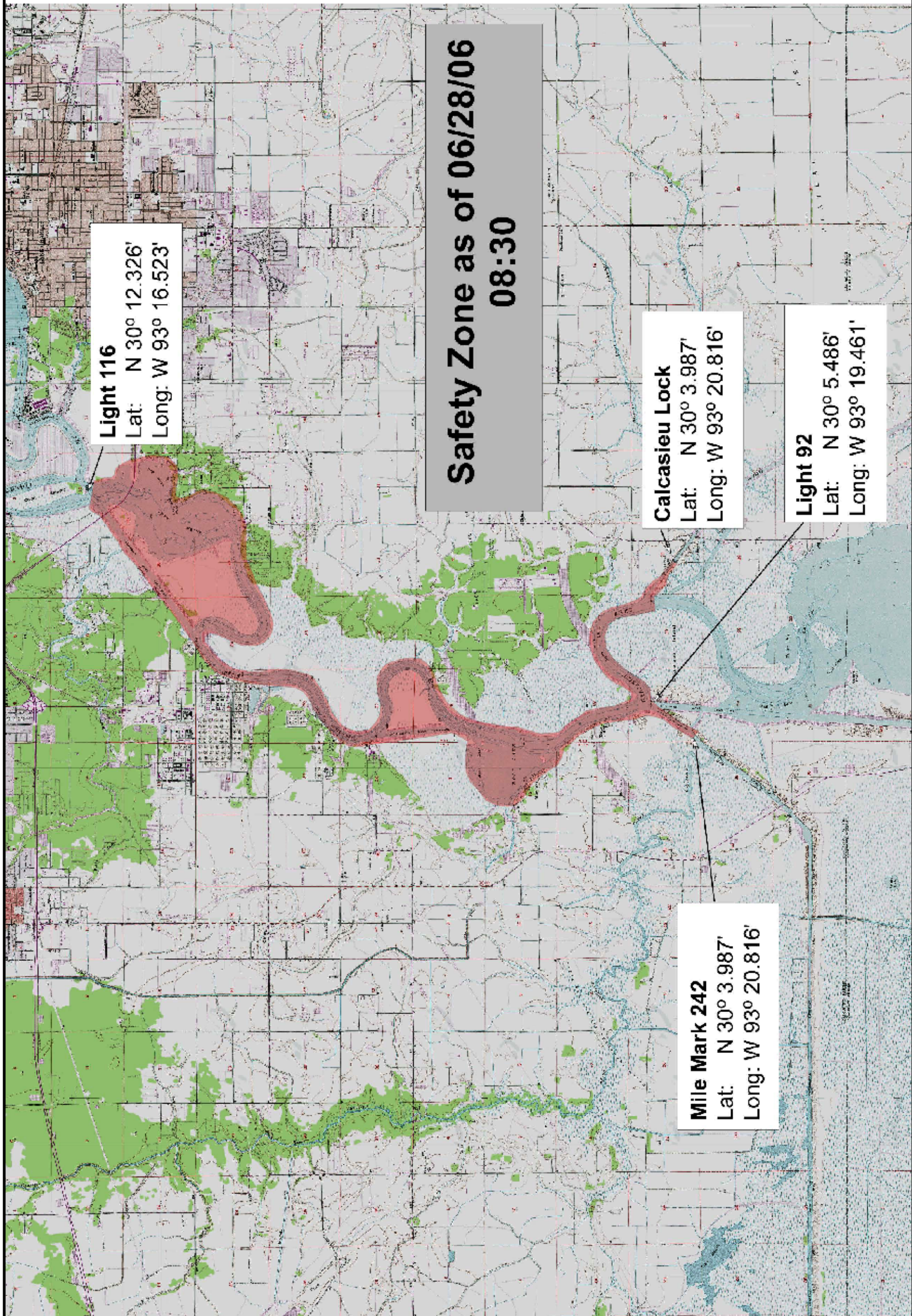
Information on the physical setting sources and historical use sources is included in Section 8.0 below.

5.3.1 Historical USGS Quadrangle Map Review

Historical USGS quadrangle maps located in the Louisiana Department of Transportation General Files Office were reviewed to determine if any development occurred on the subject property in the past. For historical use of the project area, GEC reviewed the following maps:

- Lake Charles NW, LA - 1994, 1955, 1954, 1932
- Westlake, LA - 1994, 1967, 1955, 1954, 1932
- Moss Lake, LA - 1975, 1955, 1954, 1927
- Hackberry, LA - 1982, 1932
- Cameron, LA - 1982, 1955, 1935, 1934

The historical quadrangle maps reviewed for the project area indicate that construction of the modern Calcasieu Ship Channel occurred between 1954 and 1955. Prior to 1955, a channel occupying the current location of the Calcasieu Ship Channel was present north of Moss Lake. This channel, which was labeled the Lake Charles Ship Channel, was constructed prior to 1932, the earliest year for which a historic quadrangle map was available. Historic maps indicate that little industrial development occurred prior to 1927 in the vicinity of the project area. The area around Lake Charles was primarily residential, although several railroads transected the area in the vicinity of the current Interstate system. The Port of Lake Charles facility was present on the southwestern border of Clooney Island. Coon Island and the Coon Island Loop were



**CITGO OIL SPILL
AFFECTED AREA**

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE RECONNAISSANCE REPORT
CALCASIEU RIVER AND PASS, LOUISIANA

US Coast Guard (2006)



Figure: 5
Date: October 2006
Scale: N/A
Source: US Coast Guard
Map Author: D. Shearer, 27321CZ03

undeveloped at this time. No significant development was present south of Moss Lake in the vicinity of the project area during this period. The towns of Hackberry and Cameron were the only areas with significant development. The four oil fields discussed in Section 6.2.1 are not labeled on any maps from this period, and no appreciable industrial infrastructure appears to be present at the locations of these oil fields in the maps reviewed. A small oil refinery is present on the right descending bank at Indian Marais in the 1932 map. Between 1932 and 1954, significant development occurred at the Lockport Oil and Gas Field. Additionally, some industrial development occurred along the South Shore of Lake Charles and at the confluence of Lake Charles and the Calcasieu River during this interval. By 1955 industrial development had occurred on Coon Island and along Coon Island Loop, and the Indian Marais oil refinery had expanded substantially. The Port of Lake Charles also experienced substantial expansion during this interval. The East Hackberry Oil Field and the East Moss Lake Oil and Gas Field were established between 1935 and 1955, and industrial development occurred along the right descending river bank at Burton Landing and along the south shore of Moss Lake during this interval. The Cameron Oil and Gas Field does not appear to have undergone significant development before 1955, indicating that it was established between 1955 and 1982. Continued development occurred at the industrial facilities around Lake Charles between 1955 and 1967. By the early 1980s the southern project area had assumed its current appearance, with development in the vicinity of Hackberry and Cameron and in the aforementioned oil and gas fields. By 1967 the area around Lake Charles appears to have assumed its current appearance, although some expansion of industrial facilities is present between 1967 and the early 1990s, the most recent period for which quadrangle maps are available.

5.3.2 Historical Fire Insurance Map Review

From about 1860 to 1990, the Sanborn Fire Insurance Map Company created a series of highly detailed maps of urban areas indicating every man-made structure within the area mapped and included information on the use of structures and, if a structure housed a business, the type of business. Features such as petroleum products or hazardous materials used or stored, individual building uses, building materials utilized, size of structures and storage tanks, and many other details were also indicated. Particularly notable for their past use or storage would be such flammable materials as gasoline, kerosene, heating oils, paints, solvents, or any other chemicals that are today classified as hazardous materials and, in waste form, as hazardous wastes. Other concerns that may be indicated by the Sanborn maps include facilities such as landfill or wastewater treatment plants that may have operated at one time on or near the subject property.

Banks was instructed to search its extensive collection of Sanborn Fire Insurance maps for the project area; however, no such maps were located for the site. A report documenting that the search effort for historical fire insurance maps was completed unsuccessfully is included at the end of the Banks reports in Appendix A.

5.3.3 Historical Aerial Photograph Review

The Louisiana State University Cartographic Information Center (CIC), operated by the Department of Geography and Anthropology, maintains a library of historical aerial photographs collected by the U.S. Department of Agriculture (USDA). The CIC's inventory of historical USDA aerial photographs of the project area was reviewed to determine changes in land use during the period of record. Photographs from 1940, 1953, 1957, 1963 (Calcasieu Parish only), and 1968 were reviewed.

Analysis of historical aerial photographs indicates that a ship channel with a similar geometry to that of the modern Calcasieu Ship Channel was in existence prior to 1940. Although this historical channel was very similar to the modern channel, several differences were apparent; most notably, linear channels had not been dredged across some of the natural meanders present in the Calcasieu River southwest of Lake Charles. No development is evident at Coon Island. Small industrial facilities are present at the current CITGO facility and Shell Pipeline Company-Haymark Terminal at the confluence of Bayou Guy and the Calcasieu River. A cleared space is evident on the north shore of Clooney Island Loop; no structures are visible within this space. Substantial residential development is present along the south shore of Lake Charles. Dredge spoil banks are evident in the 1940 photographs near the western shore of Calcasieu Lake in locations similar to those of more recent spoil banks that are currently present in the project area. Between 1940 and 1953 development occurred along Bayou d'Inde, at the town of Hackberry, and along the northern shore of West Cove. Substantial development is also evident at the CITGO facility in the 1953 photographs, including an extensive canal network. Radial canals indicative of logging or oil drilling operations are evident in the 1953 photographs of the area around Lake Charles and Cameron. The channel has assumed its current geography in the 1957 photographs. The 1957 photographs reveal expansion of the Port of Lake Charles and continued development along Bayou d'Inde and at the CITGO facility, Hackberry, and the East Hackberry Oil Field. Some indications of development are evident at Coon Island. Piers are visible along the south shore of Moss Lake, and vessel berths are evident at Burtons Landing in the 1957 photographs. The 1963 photographs of Calcasieu Parish reveal expansion at the Port of Lake Charles, the Conoco Philips facility, and Burtons Landing. The CITGO facility also indicates signs of expansion, including an apparent vessel berth and retention pond along the southern boundary of the facility. A vessel berth is evident on the eastern shore of Coon Island. Between 1957 and 1968 substantial industrial development occurred along Bayou d'Inde, on the south shore of Moss Lake, and along the left descending channel bank immediately north of the Cameron Loop. Significant clearing is also evident along the left descending channel bank between Clooney Island and Coon Island and along the right descending bank southwest of Bayou d'Inde. A second vessel berth is present at Coon Island, and an extensive canal network within the East Hackberry Oil Field is also evident in the 1968 photographs.

5.4 Interviews

Interviews were conducted to query public officials and informed residents for their knowledge of sites or conditions known to exist within close proximity to the proposed project route. All were asked to provide comments on any known sites or conditions that may have adversely impacted the project area. Interviews were sought with the following public officials or offices:

- Mr. Mike Hoff, Assistant Refuge Manager, Cameron Prairie National Wildlife Refuge, USFWS;
- Mr. Scott Wilkinson, Regional Supervisor, Surveillance Division, LDEQ Southwest Regional Office;
- Mr. Kevin Miller, Emergency Response Coordinator, Calcasieu Parish Homeland Security and Emergency Preparedness Office; and
- Mr. Freddie Richard, Jr., Director, Cameron Parish Homeland Security and Emergency Preparedness Office.

Mr. Mike Hoff stated that numerous tanks, drums, and other potential containers of HTRW substances were blown into the Sabine National Wildlife Refuge by Hurricane Rita in September 2005. The easternmost portion of the refuge (in the vicinity of Long Point) contains a portion of the lower Calcasieu Ship Channel. Mr. Hoff stated that to date at least 1,283 hazardous material containers have been identified in the refuge, ranging in size from aerosol cans to a 30,000 gallon tank. The containers are estimated to contain between 115,000 and 300,000 gallons of hazardous materials. Most of these containers are concentrated along the south shore of the rectangular pool in the center of the refuge, but small quantities of hazardous waste containers have been identified in the vicinity of the project area. Mr. Hoff stated that cleanup operations were begun in early September by Clean Harbors Environmental Services. A variety of equipment, including drag lines, vacuum trucks, cranes, excavators, airboats, pontoon barges, and marsh buggies, are being used to collect containers, which are then stacked on barges and transported to shore via airboat. Once on shore the container contents are tested, and based on test results the containers are separated into various classifications to prevent reactions. The containers are moved to a staging area, where they are then transported offsite to an appropriate disposal area. Although no end date has been specified for the cleanup operation, it is anticipated that cleanup activities will be completed in December 2006. Mr. Hoff stated that he is unaware of any HTRW issues in the portion of the project area encompassed by the refuge prior to the contamination from Hurricane Rita.

Mr. Scott Wilkinson stated that he is aware of one recent event that may have adversely impacted environmental conditions within the project area. This incident, the recent CITGO oil spill, is discussed in Section 6.2.4. Mr. Wilkinson stated that he has recently logged several small-scale incidents involving sheens on the water within the Calcasieu Ship Channel, but these incidents were minor in nature and did not appear to pose a significant HTRW concern to environmental conditions within the project area. Mr. Wilkinson further stated that he cannot recall any additional significant incidents that may pose a substantial HTRW concern to the project area that have occurred in the project area vicinity within the last five years.

Mr. Kevin Miller stated that the only incident of which he is aware that may pose a potential HTRW concern to the project area is the aforementioned CITGO oil spill. Mr. Miller did not have any additional information on the incident beyond that provided by Mr. Wilkinson.

Attempts to contact Mr. Freddie Richard, Jr. have been unsuccessful to date.

5.5 Site Reconnaissance

A site reconnaissance was made of all portions of the project area that could be accessed. The visual inspection of the project area was conducted in accordance with the requirements of ER 1165-2-132 and for the following signs of contamination: surface or partially buried containers; discolored soil; seeping liquids; films on water; abnormal quantities of dead vegetation or animals; suspect odors; dead-end pipes; or abnormal grading, fills, or depressions. Photographs of the project area taken during the site reconnaissance are presented in Appendix B. The results of the site reconnaissance are discussed below.

5.5.1 General Description

Numerous industrial facilities are present in the northern portion of the project area from the I-10 Bridge to Moss Lake. Prominent facilities in this portion of the project area include the CITGO and Conoco Philips facilities on the right descending bank and the Port of Lake Charles and

Shell Pipeline Company-Haymark Terminal facilities on the left descending bank. Evidence of an old, largely abandoned oil field, including operating oil wells and possibly abandoned holding tanks, was observed in the vicinity of Coon Island on the right descending riverbank. Evidence of the recent oil spill was noted in the vicinity of the CITGO facility in the form of deployed oil booms and cleanup crews conducting remediation activities on the right descending channel bank. Industrial facilities were also observed along the right descending bank at the south shore of Moss Lake and at Burton Landing.

Several marinas along the ship channel were observed in the vicinity of the town of Hackberry, including one facility with several ASTs. A liquefied natural gas facility is currently under construction north of Hackberry. Immediately south of this facility is an old oil field with operating oil wells and several holding tanks that appear to be in use. Oil wells are also present on the left descending channel bank adjacent to the aforementioned oil field.

Between the towns of Hackberry and Cameron the Calcasieu Ship Channel is largely undeveloped and consists primarily of heavily vegetated dredged spoil banks that show some signs of erosion, particularly along the right descending channel bank. Considerable debris is present in this portion of the project area. The debris is primarily comprised of white goods, and appears to be the result of Hurricane Rita. Two overturned cargo trailers were observed along the channel banks near the southern boundary of Hackberry. These containers also appear to have been transported to the project area by Hurricane Rita.

Oil and gas pipeline crossings were observed at several locations within the project area, including the CITGO facility, the East Hackberry Oil Field, and on the north shore of West Cove. No sheens, stressed vegetation, or other indications of pipeline rupture were observed at any pipeline crossings.

Industrial facilities are present along both channel banks in the vicinity of the town of Cameron. Several ship graveyards were also noted in the vicinity of Cameron, primarily along the right descending channel bank. South of Cameron the channel is bounded by rock jetties, which extend a short distance into the Gulf of Mexico. No significant development was observed south of Cameron in the project area.

5.5.2 Surface or Buried Containers

Surface containers were noted at the industrial facilities in the northern portion of the project area, most notably at the CITGO and Conoco Phillips facilities located immediately south of Lake Charles on the right descending channel bank, and at the Shell Pipeline Company-Haymark Terminal, located on the left descending bank at the confluence of Bayou Guy and the Calcasieu Ship Channel. Some tanks at the CITGO facility and the Haymark Terminal exhibited evidence of corrosion or other signs of poor maintenance. This may indicate the presence of REC with respect to the terminal facility. Holding tanks were also observed at the oil field facilities near Coon Island and Hackberry. Surface containers were also observed at a marina on the right descending riverbank at Hackberry, and along both riverbanks near the channel mouth at Cameron. A solitary abandoned surface container was observed on an island on the left descending bank between Hackberry and Cameron. No stressed vegetation, discolored soil, or suspect odors were noted near this container. Two overturned cargo trailers were observed (one on each channel bank) in the marsh south of Hackberry; these containers appear to have housed dry goods and appear to have been transported into the marsh by the effects of Hurricane Rita. Numerous refrigerator units and other white goods were observed along the left descending bank between Hackberry and the channel mouth. These containers appear to have

been transported into the marsh by Hurricane Rita. No signs of contamination were noted in the vicinity of either the overturned cargo trailers or the numerous white goods containers observed in the southern portion of the project area. No evidence of buried containers was noted during the site reconnaissance.

5.5.3 Discolored Soil

A distinct demarcation was observed along the shoreline in the southern portion of the ship channel approximately one to two feet from the water surface. This demarcation appeared to represent the high tide watermark, however, and appeared to be caused by algae rather than hazardous waste contamination. Piles of aggregate were observed at the Holcim facility discussed in Section 6.1.5, and piles of coke were observed at the Lake Charles Calcinating Plant near Burton Landing. These piles appeared to be the result of normal facility operations, however, and no discoloration of the surrounding soils was noted during the site reconnaissance.

5.5.4 Seeping Liquids

No seeping liquids were observed in the project area.

5.5.5 Films on Water

Evidence of cleanup operations for the recent CITGO oil spill discussed in Section 6.4 was noted immediately south of the CITGO facility. Oil booms were observed deployed along the west channel bank, and cleanup crews were observed along the bank, apparently removing residual oil from the channel bank. No films or sheens were observed on the water in the vicinity of these sites, however, nor were any films or sheens observed on water elsewhere within the project area.

5.5.6 Abnormal Quantities of Dead Vegetation or Animals

The northern portion of the project area is largely devoid of significant quantities of vegetation. However, this appears to be the result of artificial clearing operations rather than toxicity in the surface or subsurface. The southern portion of the project area contains significant quantities of vegetation and wildlife. Some stressed vegetation was observed in the southern portion of the project area, particularly in the vicinity of the town of Hackberry. The only stressed vegetation observed were trees or shrubs, and the condition of this vegetation appeared to be the result of the effects of heavy winds and salt water encroachment associated with Hurricane Rita. One dead alligator was observed in the vicinity of the CITGO facility near Lake Charles. The alligator appeared to have been poached for meat and discarded, as the tail had been removed cleanly at its base. The vegetation in the area affected by the CITGO oil spill appeared to be healthy and did not display any overt signs of stress. No abnormal quantities of dead vegetation or animals were observed in any portion of the project area.

5.5.7 Suspect Odors

Hydrocarbon odors were noted in the vicinity of the Shell Pipeline Company-Haymark Terminal near the left descending channel bank immediately south of Lake Charles. These odors appeared to be the result of normal refining operations. Odors of burning woody vegetation were noted in the vicinity of the liquefied natural gas facility currently under construction on the right descending channel bank in the vicinity of the town of Hackberry. This odor appeared to

be the result of brush burning operations rather than any activity associated with facility construction. No other suspect odors were detected within the project area during the site reconnaissance.

5.5.8 Dead-End Pipes

Several outfalls were noted in the vicinity of the industrial facilities in the northern portion of the project area. Drainage culverts from confined disposal facilities were occasionally noted during the site reconnaissance, particularly along the eastern dredge spoil bank between Hackberry and the Gulf of Mexico. No evidence of contamination in the surrounding environment was noted in the vicinity of any of the observed pipes.

5.5.9 Abnormal Grading, Fills, or Depressions

Land surface within the southern portion of the project area is composed almost entirely of artificial levees composed of dredge spoil and riprap. Piles of aggregate were observed at the Holcim facility discussed in Section 6.1.5, and piles of coke were observed at the Lake Charles Calcinating Plant near Burtons Landing. These piles appeared to be the result of normal facility operations, however, and no discoloration of the surrounding soils was noted during the site reconnaissance. No areas of abnormal grading, fills, or depressions were observed in the project area.

6.0 CONCLUSIONS

Based on the site reconnaissance, records review, interviews, and best engineering judgment, conditions in the project area are likely to present a potential for special actions associated with state or federal environmental regulations regarding the handling, storage, or disposal of hazardous materials. Accordingly, this assessment has revealed evidence of recognized environmental concerns in connection with the project area. Table 4 provides a list of sites that may have adversely impacted environmental conditions in the project area. The locations of these sites are presented in Figure 6. It is recommended that further investigations be conducted on these sites prior to the initiation of any construction activities associated with project implementation in the vicinity of these sites.

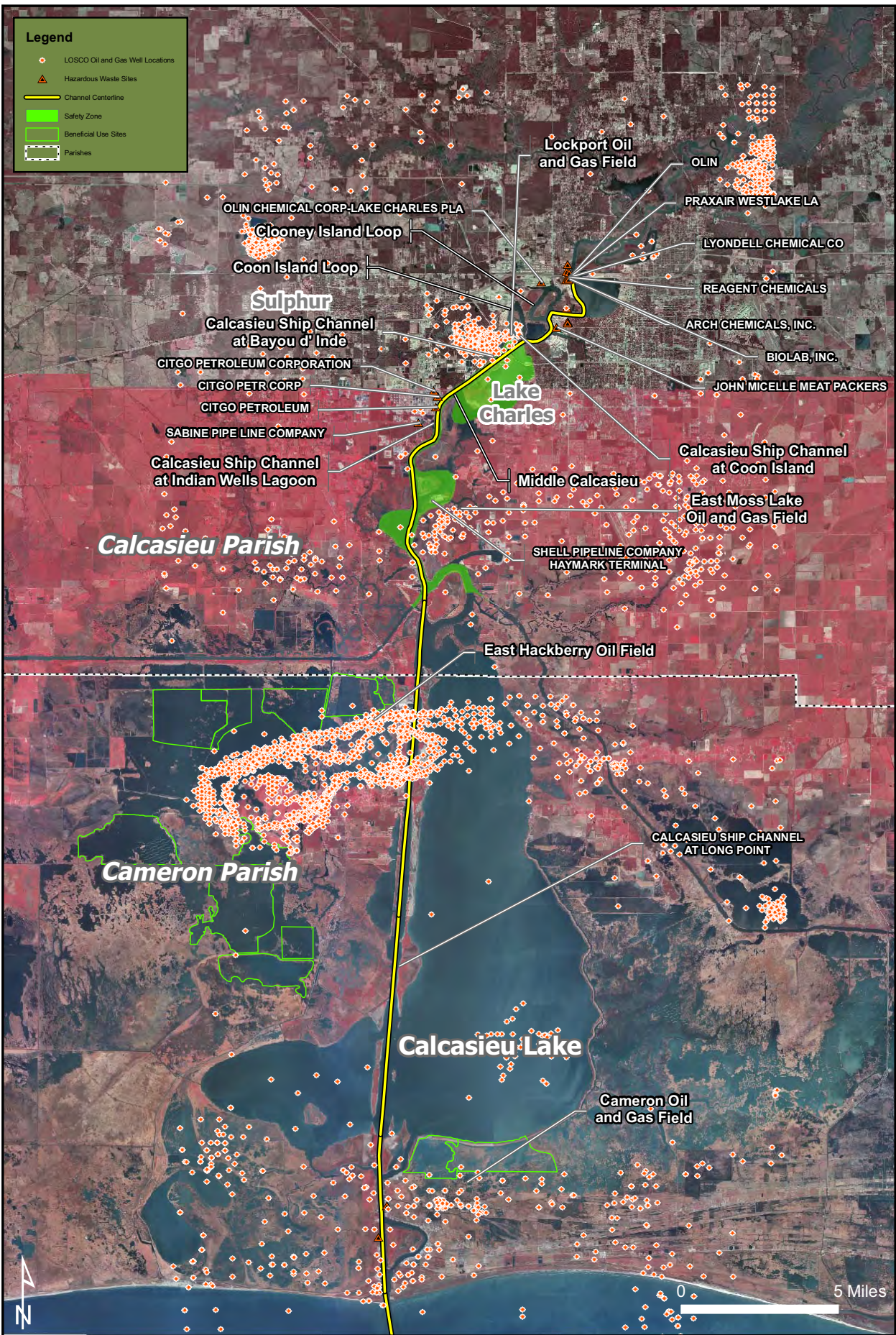
The facilities listed in Table 4 as sites that may have adversely impacted environmental conditions in or near the project area include Citgo Petroleum Corporation, the Olin Corporation/Lyondell Chemical/Arch Chemical/Reagent Chemicals/Praxair, Inc. facility, Mike Hooks Company, John Micelle Meat Packers, and the Sabine Pipeline Company. Below, descriptions of the listed facilities are provided along with summary results of the investigations.

The facility operated by CITGO Petroleum Corporation is listed as a petroleum refinery that generates a variety of hazardous waste including lead, spent non-halogenated solvents, mercury, benzene, arsenic, cadmium, lead, cresol, chromium, and corrosive waste. The facility is also listed as a land disposal facility that operates an incinerator. The facility includes a refinery, lubrication plant, two inactive storage basins, 10 active impoundments, a well land farm (a soil treatment site on a former well field), and two active underground injection wells. Contamination was first reported at the facility in November 1979. A preliminary assessment was conducted by LDEQ in August 1984 and determined that the facility constituted a low environmental risk. A site inspection performed in July 1985 determined that the facility constituted a high environmental risk. Two federal violations and 35 state violations are listed for the facility between September 1987 and June 2000, all of which involve the improper

Table 4. List of Potential REC Sites That May Have Adversely Impacted Environmental Conditions in the Project Area

Site Name	Street Address	Database	Distance From Project Area
<i>Plottable Sites (within ASTM-recommended search radii)</i>			
CITGO Petroleum Corporation	4401 Hwy 108	CERCLIS, RCRA TSD, RCRACOR, RCRA GN	0.21 mi NW
CITGO Petroleum Corporation- Clifton Barge Terminal	Lake Charles	SCL	0.43 mi NW
Olin Corporation/Lyondell Chemical/Arch Chemical/ Reagent Chemicals/Biolab, Inc./Praxair, Inc.	900/960 I-10 West	RCRA TSD, RCRACOR, RCRA GN (3), ERNS (26), RUST, SCL	0.15 mi SW/1.00 mi NW
Mike Hooks Co.	Mike Hooks Rd.	ERNS	Insufficient geographic info.
John Micelle Meat Packers	2045 West Sallier Rd.	LUST, RUST (2)	0.16 mi NE
Sabine Pipeline Co.	Sulphur	SCL	0.61 mi NW
Lockport Oil and Gas Field	Right descending channel bank between Coon Island and Rose Bluff Cutoff	LDNR Oil Wells Database	Onsite
East Moss Lake Oil and Gas Field	Left descending channel bank between Bayou Guy and Devil's Elbow	LDNR Oil Wells Database	Onsite
East Hackberry Gas Field	Both channel banks between Crab Gully and Hackberry	LDNR Oil Wells Database	Onsite
Cameron Oil and Gas Field	Both channel banks from St. Johns Island to Gulf of Mexico	LDNR Oil Wells Database	Onsite
Calcasieu Ship Channel at Bayou d'Inde (incl. Lockport Marsh)	Calcasieu Ship Channel	N/A (LDEQ Mercury Initiative, EPA Calcasieu Estuary BERA)	Onsite
Calcasieu Ship Channel at Coon Island/Coon Island Loop	Calcasieu Ship Channel	N/A (LDEQ Mercury Initiative, EPA Calcasieu Estuary BERA)	Onsite
Clooney Island Loop	Calcasieu Ship Channel	N/A (EPA Calcasieu Estuary BERA)	Onsite
Calcasieu Ship Channel at Indian Wells Lagoon	Calcasieu Ship Channel	N/A (EPA Calcasieu Estuary BERA)	Onsite
Middle Calcasieu River Reach	Calcasieu Ship Channel	N/A (EPA Calcasieu Estuary BERA)	Onsite
Calcasieu Ship Channel at Long Point	Calcasieu Ship Channel	N/A (USFWS Interview)	Onsite
CITGO Oil Spill	Calcasieu Ship Channel from Coon Island to Choupique Island	N/A (LDEQ Interview)	Onsite
Shell Pipeline Company-Haymark Terminal	Calcasieu Ship Channel at Bayou Guy	N/A (site reconnaissance)	Onsite

Source: Banks Information Solutions/GEC, 2006, 2007.



HTRW Sites of Concern

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE RECONNAISSANCE REPORT
CALCASIEU RIVER AND PASS, LOUISIANA

Landsat Thematic Mapper Satellite Image: 2004-2005 RGB753-Pan Merge, LDEQ (2004-2005), Banks Data



Figure: 6
Date: January 2009
Scale: 1:180,000
Source: USACE, BANKS, LDEQ
Map Author: 27585101-918

storage or disposal of hazardous waste or the exceedance of waste generation limits. As of 2006, four of the state enforcements are listed as resolved. Four federal enforcement actions and 18 state enforcement actions were issued against the facility between September 1988 and March 2001.

Additional research of EPA records indicate that a surge pond located within the facility is the subject of ongoing remediation. Wastewater from the surge pond discharges into an old on-site wastewater treatment system. This system consists of an earthen equalization basin, followed by dissolved air flotation tanks, a settling pond, and a polishing pond. It discharges into the Calcasieu River at an NPDES regulated outfall (Permit Number LA0005941). The bottom of the pond is filled with sludge which has been accumulating since the 1940s. CITGO conducted feasibility studies to compare and evaluate their options for closing the surge pond. The company decided to pursue an option that involved removal of sludge from the surge pond followed by substantial treatment, oil recovery, and secure disposal at an off-site Subtitle C facility. This remediation strategy was approved by LDEQ in December 1993. Following state approval, CITGO designed, constructed and began operating an on-site treatment system for treatment of surge pond sludge. At the time that CITGO chose the sludge removal and treatment option there was a national capacity variance for F037 and F038 non-wastewaters that extended the effective date of the applicable Land Disposal Restrictions treatment standards. CITGO planned to complete removal, treatment, and disposal of all the surge pond sludge before the national capacity variance expired; however, they were unable to meet this deadline due to unforeseen contractor delays. When the national capacity variance expired (June 30, 1994), remediation was stopped because the treatment system could not meet the treatment standards for all of the regulated constituents in surge pond sludge, and CITGO applied for a treatability variance. No additional information was provided in EPA records. Based on the above information, it is believed that the facility may have adversely impacted environmental conditions within the project area.

The facility operated by Olin Corporation appears to include or lie adjacent to the Lyondell Chemical facility. The facility is listed as an industrial gas and petrochemical manufacturing plant and a generator or 100-1,000 kg/mo of cadmium, chromium, cresol, formaldehyde, hydrazine, mercury, methane, propane, benzene, chloroform, spent non-halogenated solvents, reactive waste, corrosive waste, and other hazardous waste. The facility is also listed as a land disposal facility that operates an incinerator and a large quantity generator that generates more than 1,000 kg/mo of ignitable waste and used oil. One 6,000-gallon gasoline UST is present at the facility and is listed as "In Use" as of 2006. Two federal violations and 32 state violations were issued for the facility between May 1988 and September 2000, all of which involve the improper storage or disposal of hazardous waste or waste generation violations. One federal and 13 state enforcement actions were issued for the facility between January 1988 and February 2000. Fourteen corrective actions were issued against the facility between September 1986 and June 2003. Additionally, at least 26 ERNS incidents have been reported for the facility. Dates of these incidents and materials involved are presented in the following paragraphs.

- Approximately five pounds of ethylene glycol were released from a circulation pump in January 1993. No remediation information is available in the environmental database report.
- Approximately 60 pounds of ethylene glycol were discharged from a refrigeration system valve in February 1992. The material was removed with a vacuum pump and the contaminated soil was excavated.

- Approximately 400 pounds of toluene 2,4-diisocyanate was discharged during a railcar filling operation in July 1995. The spill was isolated and the contaminated soil was slated for removal. No documentation of the actual removal of contaminated soil is included in the environmental database report.
- Approximately 29 pounds of orthotoluenediamine was discharged from a loading line valve in September 1992. A vacuum truck removed the spilled product and the contaminated soil was excavated.
- Approximately 1,001 pounds of waste was discharged into the waste water system after a clogged drain overflowed in March 1993. No remediation information is included in the environmental database report.
- Approximately 17 pounds of hydrazine was released into the facility's waste water system after a tank ruptured in June 1998. No remediation information is included in the environmental database report.
- Approximately 200 pounds of hydrazine were released from a leaking process tank in September 1998. No remediation information is included in the environmental database report.
- An explosion occurred at the facility during a hydrazine transfer in October 1998. No hazardous waste was discharged to the environment as a result of the explosion.
- Approximately 260 pounds of anhydrous ammonia were released because of an overpressurized transfer line. The ERNS database indicates that this was a secured release. No additional information regarding the incident is available in the environmental database report.
- Approximately 195 pounds of chlorobenzene, toluenediamine, and toluene 2,4-diisocyanate were discharged from a valve failure on a vacuum truck during a cleaning operation in November 1993, affecting an area approximately 20 yards by 30 yards. No additional information regarding the incident is available in the environmental database report.
- Approximately 160 pounds of methyl alcohol were released during a hose connection leak in April 1991. The product was contained within a concrete impoundment and cleanup operations were initiated.
- Approximately 106 pounds of unspecified waste were released in December 1992 when a transfer pump ruptured. The contaminated soil was subsequently removed.
- An unknown quantity of contaminated water was discharged in December 1992 from an overflowing cooling tower. The material overflowed the containment dike. No additional information regarding the incident is available in the environmental database report.
- Approximately 200 gallons of hydrazine were released from an AST in October 1993. The material was contained within a containment dike and diluted. No additional information regarding the incident is available in the environmental database report.

- Approximately 2,000 pounds of toluene 2,4-diisocyanate were released during a tank car filling operation in August 1993. Soil contaminated in the incident was subsequently removed.
- Approximately 50 gallons of hydrazine were released in August 1999 when a storage tank was overfilled. The material was contained and removed, and contaminated soil was subsequently excavated.
- Approximately seven pounds of hydrazine were discharged into the facility's waste water treatment plant from a 55-gallon drum in October 1999. No additional information regarding the incident is available in the environmental database report.
- Approximately one pound of hydrazine was released in August 1999. An environmental contractor subsequently secured the release.
- Approximately 400 pounds of chlorobenzene was released from a ruptured 55-gallon drum in October 1991. Soil contaminated by the incident was slated for removal. No additional information regarding the incident is available in the environmental database report.
- Approximately 480 pounds of anhydrous ammonia was released from a failed relief valve in April 1995. The release was stopped and secured. No additional information regarding the incident is available in the environmental database report.
- Approximately 15 pounds of hydrazine were spilled from a trailer during loading operations in May 1992. The spill was contained within an impoundment. No additional information regarding the incident is available in the environmental database report.
- Approximately 80 pounds of hydrochloric acid were released in June 1994 from a tank truck. The material was subsequently neutralized.
- An unknown quantity of oil was discharged in May 1994 within the facility. No additional information regarding the incident is available in the environmental database report.
- Approximately five pounds of hydrazine were discharged from a leaky valve on a tank truck in June 2001. The leak was repaired and sorbent materials were used to remove the product.
- Approximately two pounds of hydrazine were discharged from a leaky valve on a tank truck in July 2001. No additional information regarding the incident is available in the environmental database report.
- Approximately four pounds of dimethyl hydrazine were released from a rail car in September 1991. The soil contaminated by the incident was excavated and placed in waste drums. Based on the information presented in that section, it is believed that the facility may have adversely impacted environmental conditions within the project area.

Approximately 200 gallons of diesel were released at the Mike Hooks Company Facility in December 1990. No additional information about the incident is available in the environmental

database report. Because it is not clear if remediation activities were completed at the site, and because the amount of product discharged was substantial, it is believed that this incident may have adversely impacted environmental conditions within the project area.

Groundwater contamination was detected during a Phase II Assessment at the John Micelle Meat Packers facility in December 1993. A proposed assessment plan that recommended groundwater remediation via excavation was approved by LDEQ in December 1998. At least one UST is listed for the facility, but no information regarding the status of the UST is available in the environmental database report. No additional information about the facility is available. Because the facility is within one-quarter mile of the project area, and because remediation activities at the site may not have been completed, it is believed that this facility may have adversely impacted environmental conditions in the project area.

The Sabine Pipeline Company was listed in the state equivalent NPL (SCL) database, which provides a listing of all known potential and confirmed hazardous waste sites maintained by the office of waste services. No additional information regarding the Sabine Pipeline Company facility was obtained during the environmental records review. Because no additional information is available regarding the facilities, it cannot be determined if the facility has adversely impacted environmental conditions in the project area.

7.0 REFERENCES

American Society for Testing and Materials

Standard Practice for Environmental Site Assessments: Phase I, Environmental Site Assessment Process, ASTM Standard E 1527-05.

United States Army Corps of Engineers

ER 1165-2-132, *Water Resources Policies and Authorities for Hazardous, Toxic, and Radioactive Waste Guidance for Civil Works Projects*, 26 June 1992

Louisiana Department of Environmental Quality

State Sites Database, updated quarterly.

Solid Waste Landfill Facilities (SWL), last updated 1 January 1999.

Leaking Underground Storage Tanks (LUST) Database, last updated 6 February 2006.

Registered Underground Storage Tank (RUST) Database, last updated 2 February 2006.

Resource Guide to Understanding Mercury in Louisiana's Environment: 2003 Annual Mercury Report: <http://www.deq.louisiana.gov/portal/Portals/0/surveillance/mercury/2003-Mercury-Report.pdf>.

Mercury Initiative: Mercury Data Summaries by Site:
<http://www.deq.louisiana.gov/portal/tabid/1633/Default.aspx>.

Louisiana Department of Natural Resources

Oil Well Database, last updated April 1999.

United States Department of Agriculture

Aerial Photograph Index, Calcasieu Parish, Louisiana

1940: CGG-4-49 to CGG-4-61, CGG-5-22 to CGG-5-35, CGG-6-5 to CGG-6-22, CGG-6-37 to CGG-6-40

1953: CGG-5M-120 to CGG-5M-122, CGG-5M-184 to CGG-5M-188, CGG-8M-21 to CGG-8M-39, CJM-8M-30, CJW-13M-133, CJW-13M-134

1957: CGG-6T-62 to CGG-6T-64, CGG-6T-120 to CGG-6T-124, CGG-6T-156 to CGG-6T-160, CGG-7T-2 to CGG-7T-8

1963: CGG-1DD-212 to CGG-1DD-222, CGG-1DD-255 to CGG-1DD-257, CGG-1DD-283 to CGG-1DD-285

1968: CGG-6KK-184 to CGG-6KK-186, CGG-7KK-12 to CGG-7KK-16, CGG-7KK-50 to CGG-7KK-59

Aerial Photograph Index, Cameron Parish, Louisiana

- 1940: Photographs CJW-2-24, CJW-2-25, CJW-3-31, CJW-3-32, CJW-4-6 TO CJW-4-8, CJW-6-28, CJW-6-29
- 1953: Photographs CGG-8M-27 to CGG-8M-30, CJM-8M-66 to CJM-8M-70, CJM-13M-99 to CJM-13M-103 to CJM-13M-134
- 1957: CGG-7T-5, CJW-7T-6 to CJW-7T-26, CJW-7T-41 to CJW-7T-48, CJW-9T-3 to CJW-9T-14
- 1968: CGG-7KK-57, CGG-7KK-84, CGG-7KK-85, CJW-7KK-58 to CJW-7KK-83, CJW-8KK-115 to CJW-8KK-117, CJW-8KK-187, CJW-8KK-188, CJW-8KK-202, CJW-8KK-203

United States Environmental Protection Agency

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) and No Further Remedial Action Planned (NFRAP) Database, last updated 8 June 2006.

Emergency Response Notification System (ERNS) Database, last updated 31 December 2005.

National Priorities List (NPL) Database, last updated 8 June 2006.

RCRA Large Quantity Generator Database, last updated 16 April 2006.

RCRA Treatment, Storage, and Disposal (TSD) Database, last updated 16 April 2006.

RCRA Corrective Action Sites (CORRACTS) Database, last updated 16 April 2006.

RCRA Small Quantity Generator Database, last updated 16 April 2006.

Calcasieu Estuary Initiative. Internet publication:
<http://www.epa.gov/region6/6sf/sfsites/datarep.htm>.

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7.5-Minute Series Quadrangle, Lake Charles NW, Louisiana, 1994, 1955, 1954

7.5-Minute Series Quadrangle, Westlake, Louisiana, 1994, 1967, 1955, 1954

7.5-Minute Series Quadrangle, Moss Lake, Louisiana, 1975, 1955, 1954, 1927

7.5-Minute Series Quadrangle, Hackberry, Louisiana, 1982, 1935

7.5-Minute Series Quadrangle, Cameron, Louisiana, 1982, 1935, 1934

15-Minute Series Quadrangle, Lake Charles, Louisiana, 1932

15-Minute Series Quadrangle, Cameron, Louisiana, 1955

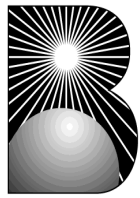
Additional References

Spearing, D., 1995. *Roadside Geology of Louisiana*. Mountain Press Publishing Company, Missoula, Montana, 225 pp.

Saucier, R. T., 1994. *Geomorphology and Quaternary Geologic History of the Lower Mississippi Valley, Volume I*. USACE Special Publication, Vicksburg, Mississippi, 364 pp.

Appendix A

ENVIRONMENTAL DATABASE REPORTS



Banks Information Solutions, Inc.

Environmental FirstSearch™ Report

TARGET PROPERTY:

CALCASIEU LAKE

HACKBERRY LA 70645

Job Number: ES01798

PREPARED FOR:

GEC, INC.

P.O. Box 84010

Baton Rouge, LA 70884-4010

ASTM

08-31-06



Tel: (512) 478-0059

Fax: (512) 478-1433

Environmental FirstSearch *Search Summary Report*

Target Site: CALCASIEU LAKE
HACKBERRY LA 70645

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	06-08-06	1.00	0	0	0	0	0	0	0
CERCLIS	Y	06-08-06	0.50	0	0	1	0	-	0	1
NFRAP	Y	06-08-06	0.50	0	1	0	0	-	0	1
RCRA TSD	Y	04-16-06	0.50	0	0	3	0	-	0	3
RCRA COR	Y	04-16-06	1.00	0	0	2	0	0	0	2
RCRA GEN	Y	04-16-06	0.25	0	1	17	-	-	0	18
ERNS	Y	12-31-05	0.15	0	2	26	-	-	3	31
State Sites	Y	NA	1.00	0	0	0	1	2	0	3
SWL	Y	01-01-99	0.50	0	0	0	0	-	0	0
REG UST/AST	Y	02-02-06	0.25	0	1	7	-	-	1	9
Leaking UST	Y	02-06-06	0.50	0	0	1	1	-	0	2
- TOTALS -				0	5	57	2	2	4	70

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to Banks Information Solutions, Inc., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in Banks Information Solutions, Inc.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although Banks Information Solutions, Inc. uses its best efforts to research the actual location of each site, Banks Information Solutions, Inc. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of Banks Information Solutions, Inc.'s services proceeding are signifying an understanding of Banks Information Solutions, Inc.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.



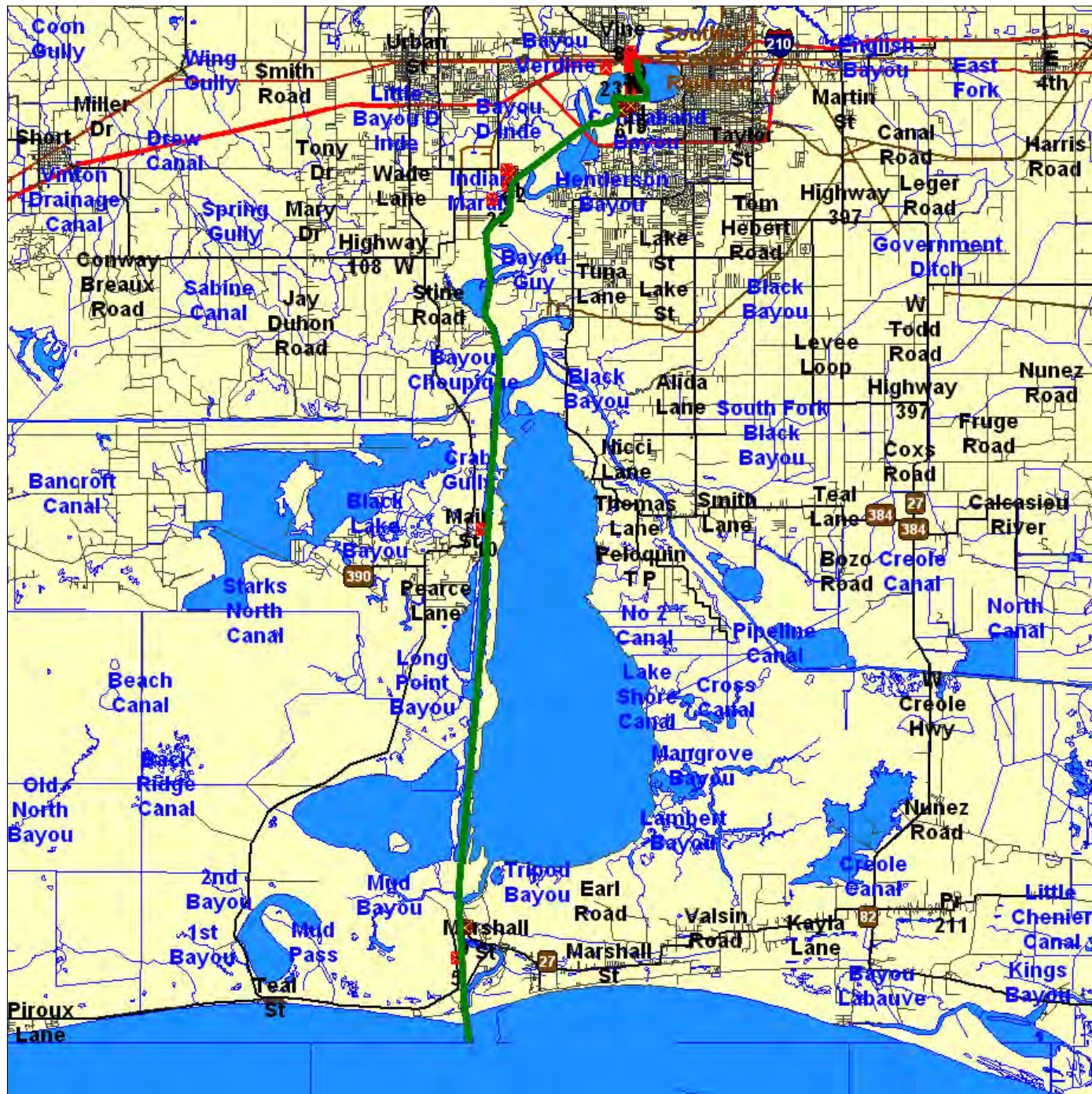
Environmental FirstSearch

1 Mile Radius from Line

Single Map:



CALCASIEU LAKE , HACKBERRY LA 70645



Source: 2002 U.S. Census TIGER Files

- Linear Search Line
- Identified Site, Multiple Sites, Receptor
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste
- Railroads



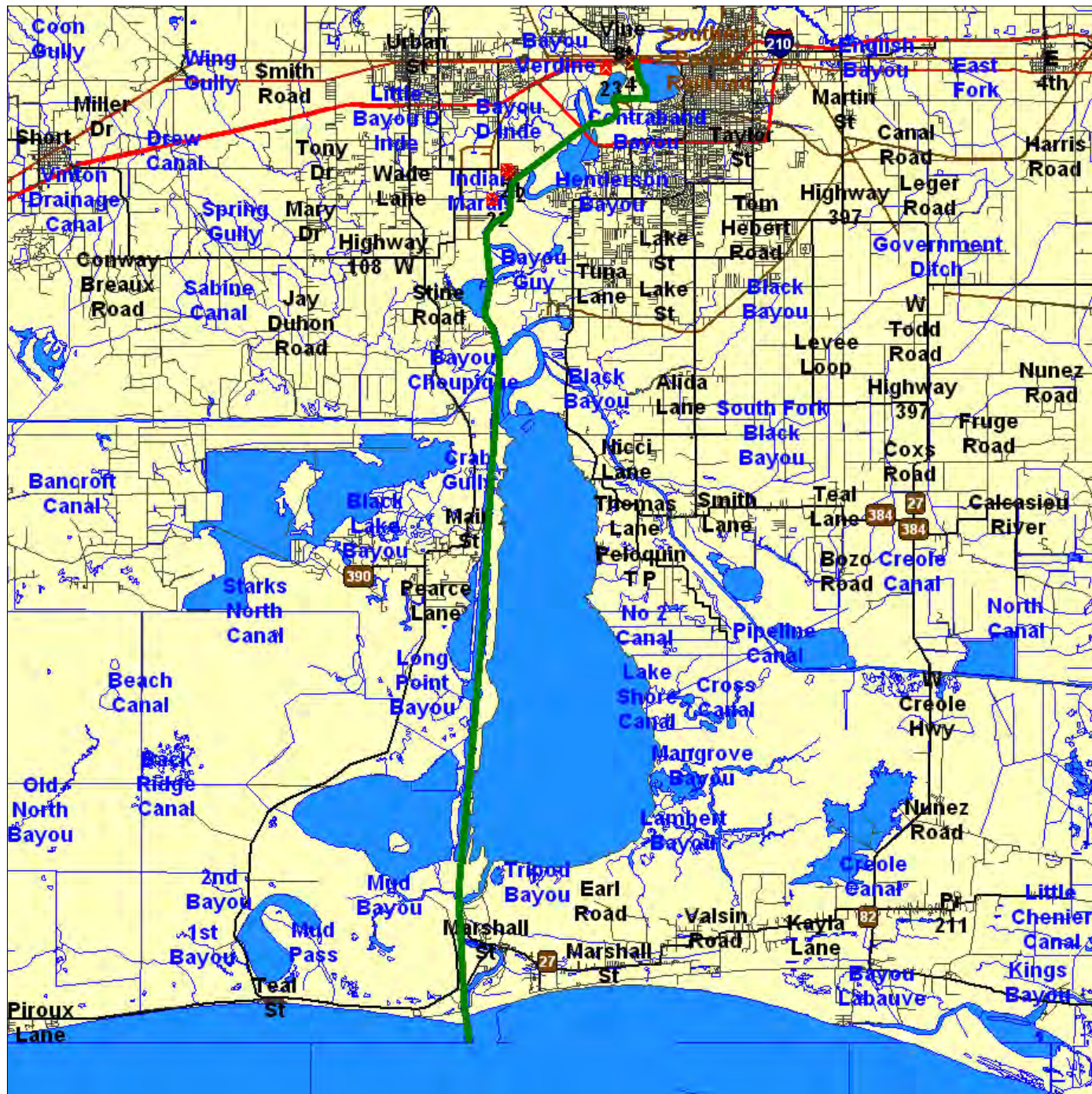


Environmental FirstSearch

1 Mile Radius from Line
ASTM: NPL, RCACOR, STATE



CALCASIEU LAKE , HACKBERRY LA 70645



Source: 2002 U.S. Census TIGER Files

- Linear Search Line
- Identified Site, Multiple Sites, Receptor
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste
- Railroads





Environmental FirstSearch

.5 Mile Radius from Line

ASTM: CERCLIS, NFRAP, RCRATSD, LUST, SWL



CALCASIEU LAKE , HACKBERRY LA 70645



Source: 2002 U.S. Census TIGER Files

- Linear Search Line
- Identified Site, Multiple Sites, Receptor
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste
- Railroads





Environmental FirstSearch

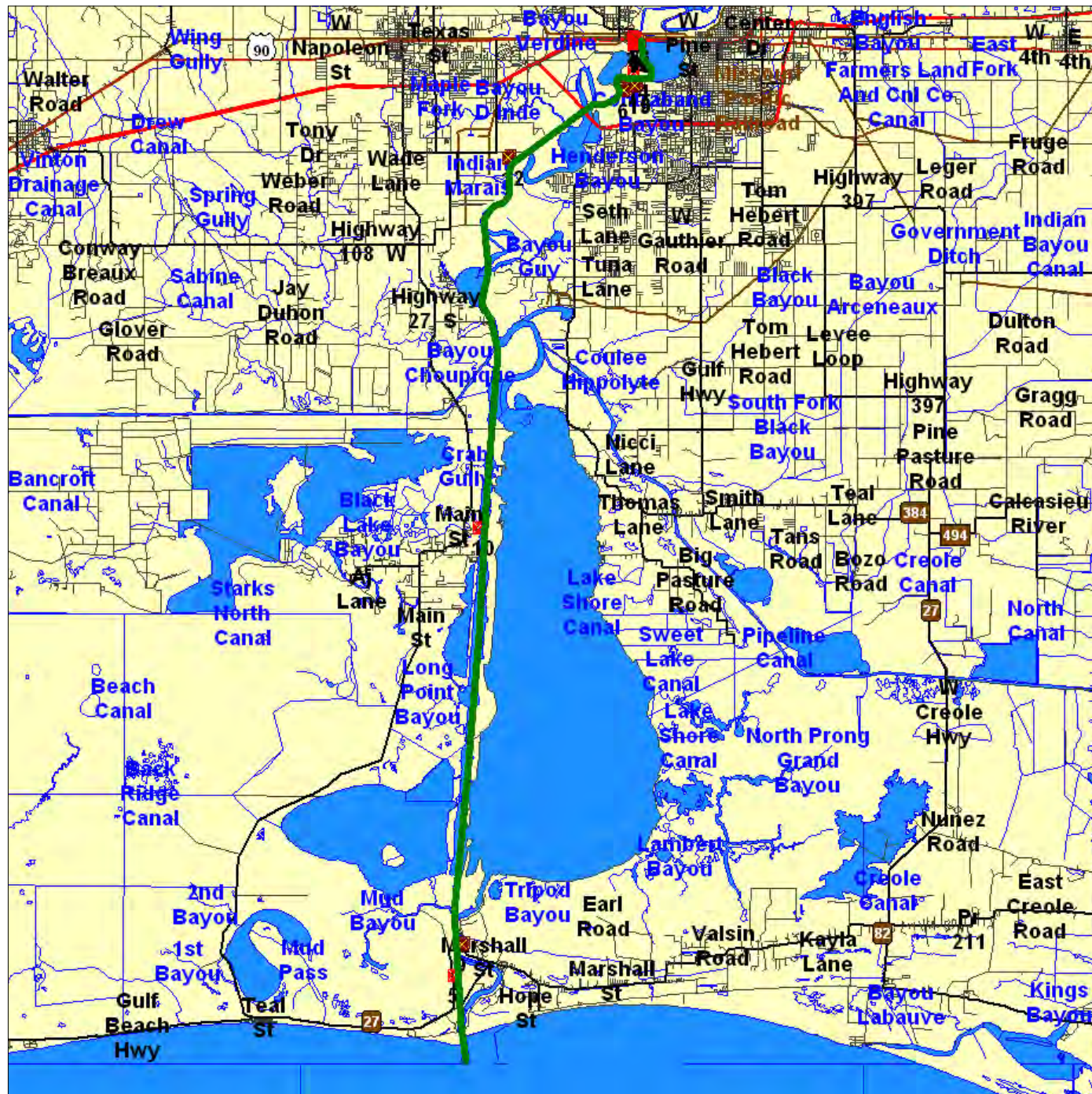
.25 Mile Radius from Line

ASTM: RCRA GEN, UST

Environmental
FIRSTSEARCH



CALCASIEU LAKE , HACKBERRY LA 70645



Source: 2002 U.S. Census TIGER Files

- Linear Search Line
- Identified Site, Multiple Sites, Receptor
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste
- Railroads





Environmental FirstSearch

.15 Mile Radius from Line

ASTM: ERNS



CALCASIEU LAKE , HACKBERRY LA 70645



Source: 2002 U.S. Census TIGER Files

- Linear Search Line
- Identified Site, Multiple Sites, Receptor
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste
- Railroads



**Environmental FirstSearch
Site Information Report**

Request Date: 08-31-06
Requestor Name: JasonL
Standard: ASTM

Search Type: LINEAR
Job Number: ES01798
Filtered Report

TARGET ADDRESS: CALCASIEU LAKE
HACKBERRY LA 70645

Demographics

Sites: 70	Non-Geocoded: 4	Population: NA
Radon: NA		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
Longitude:	-93.29466	-93:17:41	Easting: 471578.426
Latitude:	29.994165	29:59:39	Northing: 3317995.319
			Zone: 15

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 0.25 Mile(s)	Services:
---	------------------

<u>ZIP Code</u>	<u>City Name</u>	<u>ST</u>	<u>Dist/Dir</u>	<u>Sel</u>	<u>Requested?</u>	<u>Date</u>
70601	LAKE CHARLES	LA	0.00 --	Y	Sanborns	No
70605	LAKE CHARLES	LA	0.00 --	Y	Aerial Photographs	No
70631	CAMERON	LA	0.00 --	Y	Historical Topos	No
70665	SULPHUR	LA	0.00 --	Y	City Directories	No
70669	WESTLAKE	LA	0.00 --	Y	Title Search	No
					Municipal Reports	No
					Online Topos	No

Environmental FirstSearch Selected Sites Summary Report

TARGET SITE: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES01798

TOTAL: 70 **GEOCODED:** 66 **NON GEOCODED:** 4 **SELECTED:** 70

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.
1	ERNS	CONOCO INC. 168754/PIPELINE RELATED	UNDER THE I-10 BRIDGE ON WE WESTLAKE LA	0.03 NW	1
2	NFRAP	DUNHAM PRICE INC. LAD008097743/NFRAP-N	H-90W.GEN PORTLAND ST-IDEAL LAKE CHARLES LA 70602	0.06 SW	2
2	RCRAGN	DUNHAM PRICE INC LAD008097743/VGN	TROUSDALE RD AT HWY 90 W WESTLAKE LA 70669	0.06 SW	3
2	UST	DUNHAM-PRICE LLC MIKE HOOKS ROAD 10-003111	210 MIKE HOOKS RD LAKE CHARLES LA 70602	0.06 SW	4
3	ERNS	CITGO PETROLEUM 592896/FIXED FACILITY	MILE MARKER 29 CALCASIEU RI LAKE CHARLES LA 70665	0.10 NW	5
4	ERNS	OLIN CORP 303181/FIXED FACILITY	900 I-10 WEST WESTLAKE LA 70602	0.15 SW	6
4	ERNS	OLIN CORP. 254014/HF	900 I-10 WEST WESTLAKE LA 70602	0.15 SW	7
4	ERNS	OLIN CORP 445290/RAILROAD	900 INTERSTATE 10 W TDI PRO WESTLAKE LA 70669	0.15 SW	8
4	ERNS	OLIN CORP 286104/RAILROAD	900 I-10 WEST WESTLAKE LA	0.15 SW	9
4	ERNS	OLIN CORP 307543/FIXED FACILITY	900 I-10 WEST WESTLAKE LA	0.15 SW	10
4	ERNS	OLIN CORP 585106/FIXED FACILITY	960 I-10 WESTLAKE LA	0.15 SW	11
4	ERNS	OLIN CORP 596330/FIXED FACILITY	960 I-10 WESTLAKE LA	0.15 SW	12
4	ERNS	OLIN CORP 597668/FIXED FACILITY	960 I-10 WESTLAKE LA	0.15 SW	13
4	ERNS	OLIN CORPORATION 390017/FIXED FACILITY	900 I-10 WEST WESTLAKE LA 70669	0.15 SW	14
4	ERNS	OLIN CORP 348427/HIGHWAY RELATED	900 I-10 WEST WESTLAKE LA 70602	0.15 SW	15
4	ERNS	OLIN CORP 216076/FIXED FACILITY	I-10 SERVICE ROAD SOUTH WESTLAKE LA	0.15 SW	16
4	ERNS	OLIN CORP 297424/FIXED FACILITY	900 I-10 WEST WESTLAKE LA 70602	0.15 SW	17
4	ERNS	OLIN CORP 295000/FIXED FACILITY	900 I-10 WEST WESTLAKE LA 70602	0.15 SW	18
4	ERNS	OLIN CHEMICALS 344464/FIXED FAC./AST	HWY 10 WESTLAKE LA	0.15 SW	19
4	ERNS	OLIN 336031/RAILROAD	900 I-10 WEST WESTLAKE LA	0.15 SW	20
4	ERNS	ARCH CHEMICAL 639388/FIXED FAC./AST	960 I-10 WESTLAKE LA	0.15 SW	21

Environmental FirstSearch Selected Sites Summary Report

TARGET SITE: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES01798

TOTAL: 70 **GEOCODED:** 66 **NON GEOCODED:** 4 **SELECTED:** 70

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.
4	ERNS	ARCH CHEMICAL 647698/FIXED FACILITY	960 I-10 WESTLAKE LA 70669	0.15 SW	22
4	ERNS	ARCH CHEMICAL 639420/FIXED FACILITY	960 I-10 WESTLAKE LA 70669	0.15 SW	23
4	ERNS	OLIN CORP 233948/FIXED FACILITY	900 I-10 WEST WESTLAKE LA	0.15 SW	24
4	ERNS	OLIN CORP 430129/FIXED FACILITY	900 IINTERSTATE 10 W WESTLAKE LA 70669	0.15 SW	25
4	ERNS	OLIN CORPORATION 265297/HIGHWAY RELATED	900 I-10 WEST WESTLAKE LA	0.15 SW	26
4	ERNS	REAGENT CHEMICALS 384198/HIGHWAY RELATED	900 I-10 WEST WESTLAKE LA 70669	0.15 SW	27
4	ERNS	393177/UNKNOWN (EPA REGIONS	900 I-10 WEST WESTLAKE LA 70602	0.15 SW	28
4	ERNS	NRC-570755/MOBILE	960 I-10 WEST WESTLAKE LA 70669	0.15 SW	29
4	ERNS	NRC-572961/STORAGE TANK	960 I-10 WEST WESTLAKE LA	0.15 SW	32
4	ERNS	OLIN CORPORATION 232070/RAILROAD	I-10 W WESTLAKE LA	0.15 SW	35
4	RCRA	OLIN CORP LAD008080681/TSD	960 I10 & WESTLAKE EXIT WESTLAKE LA 70669	0.15 SW	36
4	RCRACOR	OLIN CORPORATION, LAKE CHARLES LAD008080681/CA	960 I-10 WEST WESTLAKE LA 70669	0.15 SW	41
4	RCRAGN	PRAXAIR WESTLAKE LA LAR000039032/SGN	950 I-10 W WESTLAKE LA 70669	0.15 SW	48
4	RCRAGN	PRAXAIR INC LAD981593262/SGN	I10 SVC RD @ WESTLAKE EXIT WESTLAKE LA 70669	0.15 SW	49
4	RCRAGN	OLIN CORP LAD008080681/LGN	960 I10 & WESTLAKE EXIT WESTLAKE LA 70669	0.15 SW	50
5	RCRAGN	SABINE GAS PLANT LAD000777599/VGN	9231 GULF BEACH HWY CAMERON LA 70631	0.15 SW	51
4	UST	LYONDELL CHEMICAL CO 10-006912	900 I-10 W WESTLAKE LA 70669	0.15 SW	52
6	LUST	JOHN MICELLE MEAT PACKERS 94-5-0001	2045 WEST SALLIER ST. LAKE CHARLES LA 70601	0.16 NE	53
6	UST	JOHN MICELLE MEAT PACKERS 10-005306	2045 WEST SALLIER ST. LAKE CHARLES LA 70602	0.16 NE	55
6	UST	MICHELL PROPERTY 10-016891	2045 WEST SALLIER STREET LAKE CHARLES LA 99999	0.16 NE	56

Environmental FirstSearch Selected Sites Summary Report

TARGET SITE: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES01798

TOTAL: 70 **GEOCODED:** 66 **NON GEOCODED:** 4 **SELECTED:** 70

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.
7	RCRAGN	UNION PACIFIC RAILROAD LAR000051318/LGN	100 RAILROAD AVE WESTLAKE LA 70669	0.16 NW	57
8	RCRA	LYONDELL CHEMICAL COMPANY LAR000018333/TSD	900 I-10 WEST WESTLAKE LA 70669	0.16 SW	58
8	RCRAGN	ARCH CHEMICALS, INC. LAR000034405/LGN	960 I-10 WEST WESTLAKE LA 70669	0.16 SW	61
8	RCRAGN	BIOLAB, INC. LAR000007997/LGN	910 I-10 WEST WESTLAKE LA 70669	0.16 SW	63
8	RCRAGN	LYONDELL CHEM WORLDWIDE INC LAR000018333/LGN	900A INTERSTATE 10 W WESTLAKE LA 70669	0.16 SW	65
9	RCRAGN	SOCO OFFSHORE INC LAR000030874/VGN	217A WAKEFIELD RD CAMERON LA 70631	0.19 NE	66
9	RCRAGN	MARTIN OPERATING PART. LP, E CAMER LAD980621429/VGN	127 WAKEFIELD RD CAMERON LA 70631	0.19 NE	67
10	RCRAGN	US EPA HURRICANE RITA LAR000059121/LGN	195 ALPHONSE RD HACKBERRY LA 70645	0.19 NW	69
11	RCRAGN	ISLE OF CAPRI LAR000037911/VGN	100 WESTLAKE AVE WESTLAKE LA 70669	0.19 SW	71
12	CERCLIS	CITGO PETROLEUM CORPORATION LAD008080350/NOT PROPOSED	SOUTH OF I-10 ON LA HWY 108 LAKE CHARLES LA 70665	0.21 NW	73
12	RCRA	CITGO PETR CORP LAD008080350/TSD	4401 LA HWY 108 LAKE CHARLES LA 70665	0.21 NW	74
12	RCRACOR	CITGO PETROLEUM CORPORATION LAD008080350/CA	4401 HWY 108 LAKE CHARLES LA 70665	0.21 NW	80
12	RCRAGN	CITGO PETR CORP LAD008080350/LGN	4401 LA HWY 108 LAKE CHARLES LA 70665	0.21 NW	88
13	UST	JOHN N JOHN TRUCK LINE INC 10-005307	150 MARINE ST BOX 14 LAKE CHARLES LA 70601	0.21 SE	89
14	RCRAGN	HOLCIM INC LAR000018192/VGN	380 IDEAL RD WESTLAKE LA 70669	0.23 NW	90
15	UST	LAKE CHARLES HARBOR & TERMINAL DIS 10-005701	150 MARINE ST LAKE CHARLES LA 70601	0.24 SE	91
15	UST	LAKE CHARLES STEVEDORES INC 10-005711	150 MARINE ST BOX 13 LAKE CHARLES LA 70601	0.24 SE	95
16	RCRAGN	RE HEIDT CONST CO INC LAR000033092/VGN	107 MILLER AVE WESTLAKE LA 70669	0.24 SW	97
17	UST	MANAGAN BUILDING MATERIALS INC 10-006137	107 MILLER AVE WESTLAKE LA 70669	0.24 SW	98
18	RCRAGN	INDUSTRIAL CONSTRUCTION RENTALS LAR000005439/VGN	525 MILLER AVE WESTLAKE LA 70669	0.25 NW	99

***Environmental FirstSearch
Selected Sites Summary Report***

TARGET SITE: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES01798

TOTAL: 70 **GEOCODED:** 66 **NON GEOCODED:** 4 **SELECTED:** 70

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.
19	RCRAGN	LAKE CHARLES STEVEDORES INC LAD985221407/VGN	150 MARINE ST ID407 LAKE CHARLES LA 70601	0.25 SE	100
20	LUST	SPORTY S #116 98-5-0072	800 WESTLAKE AVENUE WESTLAKE LA 70669	0.38 NW	102
21	STATE	CITGO PETROLEUM CORPORATION 212/POTENTIAL SITE	LAKE CHARLES LA 70665	0.43 NW	102
22	STATE	SABINE PIPE LINE COMPANY 781/POTENTIAL SITE	SULPHUR LA	0.61 NW	103
23	STATE	OLIN CHEMICAL CORP-LAKE CHARLES PL 686/POTENTIAL SITE	LAKE CHARLES LA 70663	1.00 NW	103

***Environmental FirstSearch
Selected Sites Summary Report***

TARGET SITE: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES01798

TOTAL: 70 **GEOCODED:** 66 **NON GEOCODED:** 4 **SELECTED:** 70

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.
ERNS		MIKE HOOKS CO 189551/FIXED FACILITY	PO BOX 1525 MIKE HOOKS RD WESTLAKE LA 70669	NON GC	104
ERNS		TOLUENE DIAMINE UNIT NRC-779844/FIXED	900 I-10 WEST WESTLAKE LA 70669	NON GC	105
ERNS		NRC-765508/STORAGE TANK	900 I-10 W. WESTLAKE LA 70669	NON GC	108
UST		FINA (CLOSED SITE) 10-014951	I-10 ENTERPRISE BLVD LAKE CHARLES LA 70601	NON GC	111

Environmental FirstSearch Database Descriptions

NPL: *EPA* NATIONAL PRIORITY LIST - Database of confirmed, proposed or deleted Superfund sites.

CERCLIS: *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM - Database of current and potential Superfund sites currently or previously under investigation.

NFRAP: *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). 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.

RCRA TSD: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of facilities licensed to store, treat and dispose of hazardous waste materials.

RCRA COR: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of RCRA facilities with reported violations and subject to corrective actions.

RCRA GEN: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of facilities that generate or transport hazardous waste or meet other RCRA requirements. LGN - Large Quantity Generators SGN - Small Quantity Generators VGN – Conditionally Exempt Generator. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

ERNS: *EPA/NRC* EMERGENCY RESPONSE NOTIFICATION SYSTEM - Database of emergency response actions. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

SWL: *LADEQ* listing of various solid waste facilities including open, closed, & permitted landfills, dumps, pesticide sites, and transfer stations

REG UST/AST: *LADEQ* Listing of all known underground storage tanks

LEAKING UST: *LADEQ* Listing of all known leaking underground storage tanks

RADON: *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

Environmental FirstSearch Database Sources

NPL: EPA Environmental Protection Agency

Updated quarterly

CERCLIS: EPA Environmental Protection Agency

Updated quarterly

NFRAP: EPA Environmental Protection Agency.

Updated quarterly

RCRA TSD: EPA Environmental Protection Agency.

Updated quarterly

RCRA COR: EPA Environmental Protection Agency.

Updated quarterly

RCRA GEN: EPA Environmental Protection Agency.

Updated quarterly

ERNS: EPA/NRC Environmental Protection Agency

Updated semi-annually

SWL: LADEQ Louisiana Department of Environmental Quality

Updated annually

REG UST/AST: LADEQ Louisiana Department of Environmental Quality

Updated quarterly

LEAKING UST: LADEQ Louisiana Department of Environmental Quality

Updated quarterly

RADON: NTIS Environmental Protection Agency, National Technical Information Services

Updated periodically

Environmental FirstSearch
Street Name Report for Streets within 1 Mile(s) of Target Property

TARGET SITE: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES01798

Street Name	Dist/Dir	Street Name	Dist/Dir
Able Cir	0.98 SE	Kile St	0.10 NW
Adrienne Ln	0.98 SE	Kiwanis Ln	0.73 SW
Alphonse Ln	0.15 NW	Knight Ln	0.97 SE
Alvin Guidry Cir	0.63 NW	Krause St	1.00 NW
Alvin St	0.93 SE	Lake Breeze Dr	0.56 NW
Arvilla Ln	0.82 SE	Lake Ln	0.30 NW
Bahnsen Rd	0.40 NW	Lake St	0.54 SE
Barbe Ct	0.56 SE	Landry St	0.18 SW
Barbe St	0.40 SE	Lee St	0.70 NW
Bay Dr	0.46 SE	Lilleon St	0.76 SE
Bayou D Inde Pass	0.95 NW	Lost Ln	1.00 SE
Bayou d Inde Rd	0.38 NW	Louie St	0.80 SE
Bayou Pines East Dr	0.84 SE	Louise St	0.92 SE
Beech St	0.71 NW	Madison St	0.94 SE
Bellevue St	0.73 SE	Magnolia Ln	1.00 SE
Bourgport	0.57 NW	Magnolia Rd	0.79 NW
Burton Ln	0.90 SE	Magnolia St	0.29 SW
Burton Shipyard Rd	0.09 SW	Main St	0.71 NW
Cade Ln	0.87 SE	Marine St	0.04 SE
Cagle Ln	0.86 SE	Martha St	0.87 NW
Cash St	0.74 NW	Matilda St	0.78 NW
Cedar St	0.64 NW	Mc Kinley St	0.76 NW
Cemetery Rd	0.95 NW	Megason Ln	0.18 SW
Channel Dr	0.26 NW	Merrie St	0.21 SE
Channelview Dr	0.23 NW	Mike Hooks Rd	0.04 NE
Charvis Dr	0.41 SE	Miller Ave	0.22 NW
Cities Service Hwy	0.63 NW	Moss Lake Ln	0.46 NW
Clara St	0.75 SE	Newman Ln	0.95 NW
Clayborne Ln	0.60 NW	Norben Dr	0.53 SE
Clifton Ridge Rd	0.57 NW	Old Lockport Rd	0.98 NW
Clooney St	0.86 SE	Old Town Road	0.64 NW
Clyde St	0.86 SE	Old US Hwy 90	0.52 SW
Cohen Ln	0.54 NW	Olsen Rd	0.82 NW
Colligan Ln	0.70 NW	Pa Rd 3153	0.52 NE
Columbia Southern Rd	0.98 NW	Pa Rd 3155	0.14 NE
Constance Ln	0.43 NW	Pa Rd 3197	0.97 NE
Continental Blvd	0.96 NW	Paktank Rd	0.07 SW
Cove Ln	0.74 SE	Park Rd	0.85 NW
Creole St	0.89 SE	Penn St	0.79 SE
Cypress St	0.95 SE	Perkins St	0.07 SW
Daise Bel Ln	0.15 SE	Pete Seay Cir	0.32 NW
Davison Rd	0.17 NW	Pilley St	0.27 NW
Dees Ln	0.87 NW	Private Rd	0.75 NW
Dennis Ln	0.38 NW	Property Rd	0.60 SW
Dewey St	0.66 NW	Pullman St	0.96 NW
Dogwood Rd	0.59 SW	Queenan Ind Pk Rd	0.34 NW
Drew Park Dr	0.95 SE	Railroad Ave	0.15 NW
Driftwood St	0.26 SE	Riverside Dr	0.10 SE

Environmental FirstSearch
Street Name Report for Streets within 1 Mile(s) of Target Property

TARGET SITE: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES01798

Street Name	Dist/Dir	Street Name	Dist/Dir
Drouett Ln	0.22 NW	Roe Ln	0.45 NW
E Holly Hill Cir	0.90 NW	Rosalie St	0.70 SE
EAST Holly Hill Cir	0.90 NW	Ruth St	0.84 SE
East Ln	0.68 NW	S Holly Hill Cir	0.90 NW
Engleside St	0.97 SE	S Rue Des Chene	0.91 NW
Eve Ln	0.58 NW	S Ryan St	0.58 SE
F Richard Ln	0.99 NW	Sampson St	0.67 NW
Farquar Rd	1.00 NW	Shell Beach Dr	0.08 SE
Farquhar St	0.69 SE	Short Ln	0.51 SE
Field St	0.89 NW	Short St	0.88 SE
Flowers St	0.84 NW	Solley Baker	0.54 NW
Foster St	0.82 SE	Sonnier St	0.99 SE
Gallegos Ln	0.68 NW	SOUTH Holly Hill Cir	0.90 NW
Garfield St	1.00 NW	SOUTH Rue Des Chene	0.91 NW
General Portland Rd	0.02 NW	SOUTH Ryan St	0.58 SE
Goos St	0.36 NW	St Anthony St	0.47 SE
Grant St	0.91 NW	State Route 108	0.63 NW
Gray St	0.29 NW	State Route 1141	0.09 NE
Greenroad St	0.96 NW	State Route 27	0.11 NE
Gross Ln	1.00 NW	State Route 378	0.67 NW
Guidry St	0.86 NW	Stella St	0.35 NW
Halverson Rd	0.58 SW	Sulphur Ave	0.40 NW
Happy St	0.32 SE	Swanson Ln	0.93 SE
Hardy Ln	0.87 NW	Tillman St	0.87 NW
Harrison St	1.00 NW	Touchey St	0.44 SE
Hawkins St	0.60 NW	Trask Ln	0.75 SW
Hayes St	0.81 SE	Vine St	0.75 NW
Helen St	0.62 SE	Volunteer Ln	0.53 NW
Henderson Bayou Rd	0.85 SE	W 18th St	0.91 SE
Henry St	0.54 SE	W Bayou Pines Dr	0.75 SE
Highway 27 SOUTH	0.81 NW	W Holly Hill Cir	0.94 NW
Hilma St	0.43 NW	W Prien Lake Rd	0.79 SE
Hobson St	0.62 NW	W Sallier St	0.37 SE
Holly Ln	0.88 NW	Watkins St	0.99 SE
I- 10 Service Dr	0.51 NE	WEST 18th St	0.91 SE
I-10	0.00 --	WEST Bayou Pines Dr	0.75 SE
I-210	0.00 --	WEST Holly Hill Cir	0.94 NW
Ideal Cement Rd	0.23 NW	WEST Prien Lake Rd	0.79 SE
Ihles Rd	0.79 SE	WEST Sallier St	0.37 SE
Jackson St	0.91 NW	Western St	0.64 SE
Joe Dugas Rd	0.57 NW	Westlake Ave	0.16 NW
Joe St	0.79 SE	Westwood St	0.86 SE
Johnson St	0.58 NW	Winnie St	0.74 SE
Julia Ln	0.63 NW	Woodruff St	0.91 SE
Kay Ln	0.69 NW		
Kennedy St	0.71 SE		



Banks Environmental Data

Environmental FirstSearch™ Report

TARGET PROPERTY:

CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES

HACKBERRY LA 70645

Job Number: ES26430

PREPARED FOR:

GEC, INC.

9215 Interline Avenue

Baton Rouge, LA 70884-4010

AAI

11-05-07



Tel: (512) 478-0059

Fax: (512) 478-1433

Environmental FirstSearch Search Summary Report

Target Site: CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES
HACKBERRY LA 70645

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	09-10-07	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	09-10-07	0.50	0	0	0	0	-	0	0
CERCLIS	Y	10-08-07	0.50	0	0	0	0	-	0	0
NFRAP	Y	10-08-07	0.50	0	0	0	0	-	0	0
RCRA COR ACT	Y	06-06-06	1.00	0	0	0	0	0	0	0
RCRA TSD	Y	06-06-06	0.50	0	0	0	0	-	0	0
RCRA GEN	Y	06-06-06	0.25	0	0	0	-	-	3	3
Federal IC / EC	Y	10-02-07	0.50	0	0	0	0	-	0	0
ERNS	Y	12-31-06	0.25	0	0	0	-	-	15	15
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	0	0
State/Tribal Sites	Y	06-06-99	1.00	0	0	0	0	0	1	1
State/Tribal SWL	Y	08-23-07	0.50	0	0	0	0	-	0	0
State/Tribal LUST	Y	02-06-06	0.50	0	0	0	0	-	2	2
State/Tribal UST/AST	Y	02-02-06	0.25	0	0	0	-	-	3	3
State/Tribal IC	Y	12-14-06	0.50	0	0	0	0	-	0	0
State/Tribal VCP	Y	12-14-06	0.50	0	0	0	0	-	0	0
- TOTALS -				0	0	0	0	0	24	24

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to Banks Information Solutions, Inc., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in Banks Information Solutions, Inc.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although Banks Information Solutions, Inc. uses its best efforts to research the actual location of each site, Banks Information Solutions, Inc. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of Banks Information Solutions, Inc.'s services proceeding are signifying an understanding of Banks Information Solutions, Inc.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

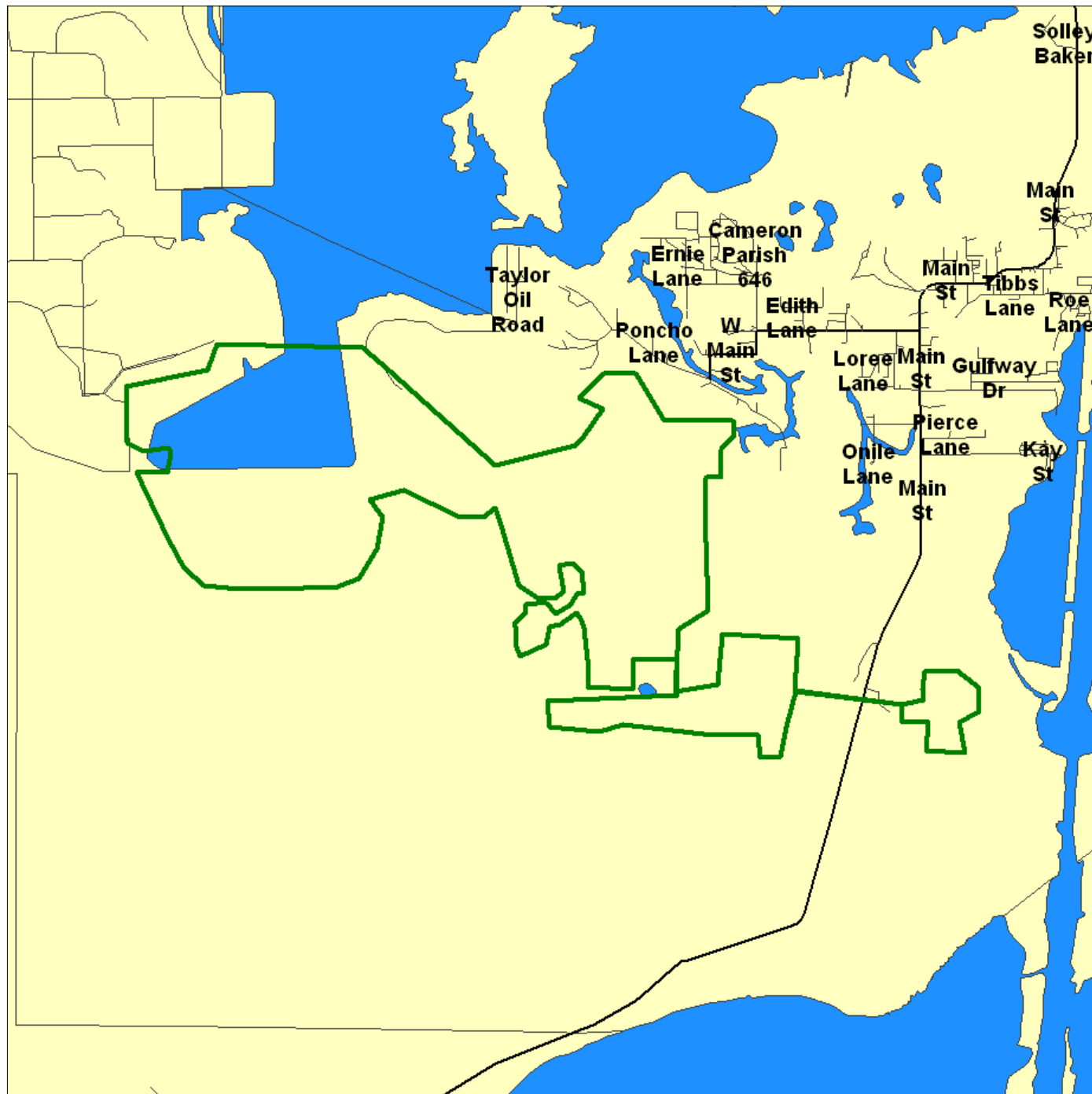


Environmental FirstSearch

1 Mile Radius from Area
Single Map:



CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES, HACKBERRY LA



Source: 2002 U.S. Census TIGER Files

Area Polygon	
Identified Site, Multiple Sites, Receptor	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	
Triballand.....	
Railroads	

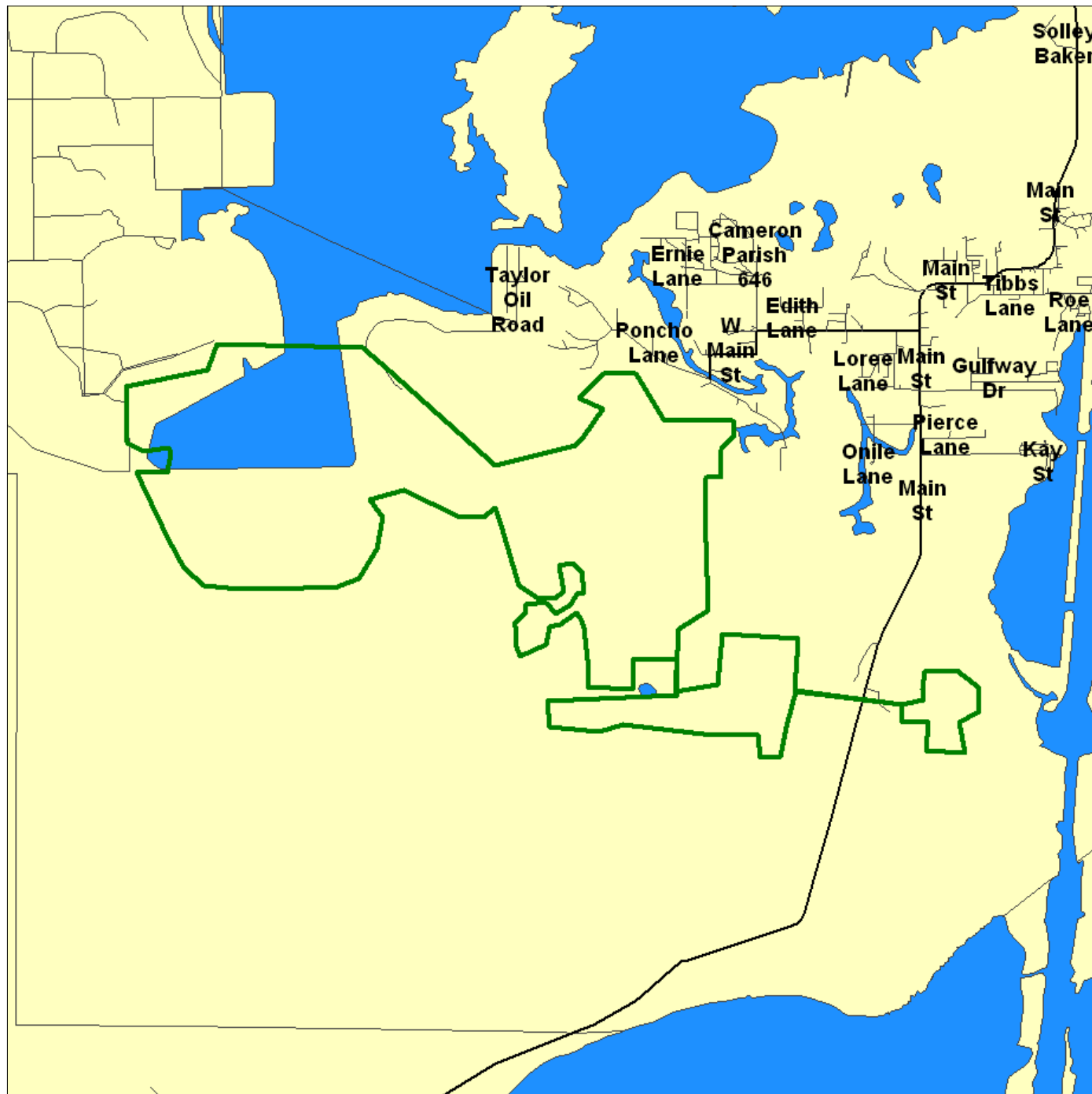


Environmental FirstSearch

1 Mile Radius from Area
AAI: NPL, RCACOR, STATE



CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES, HACKBERRY LA



Source: 2002 U.S. Census TIGER Files

Area Polygon	
Identified Site, Multiple Sites, Receptor	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	
Triballand.....	
Railroads	

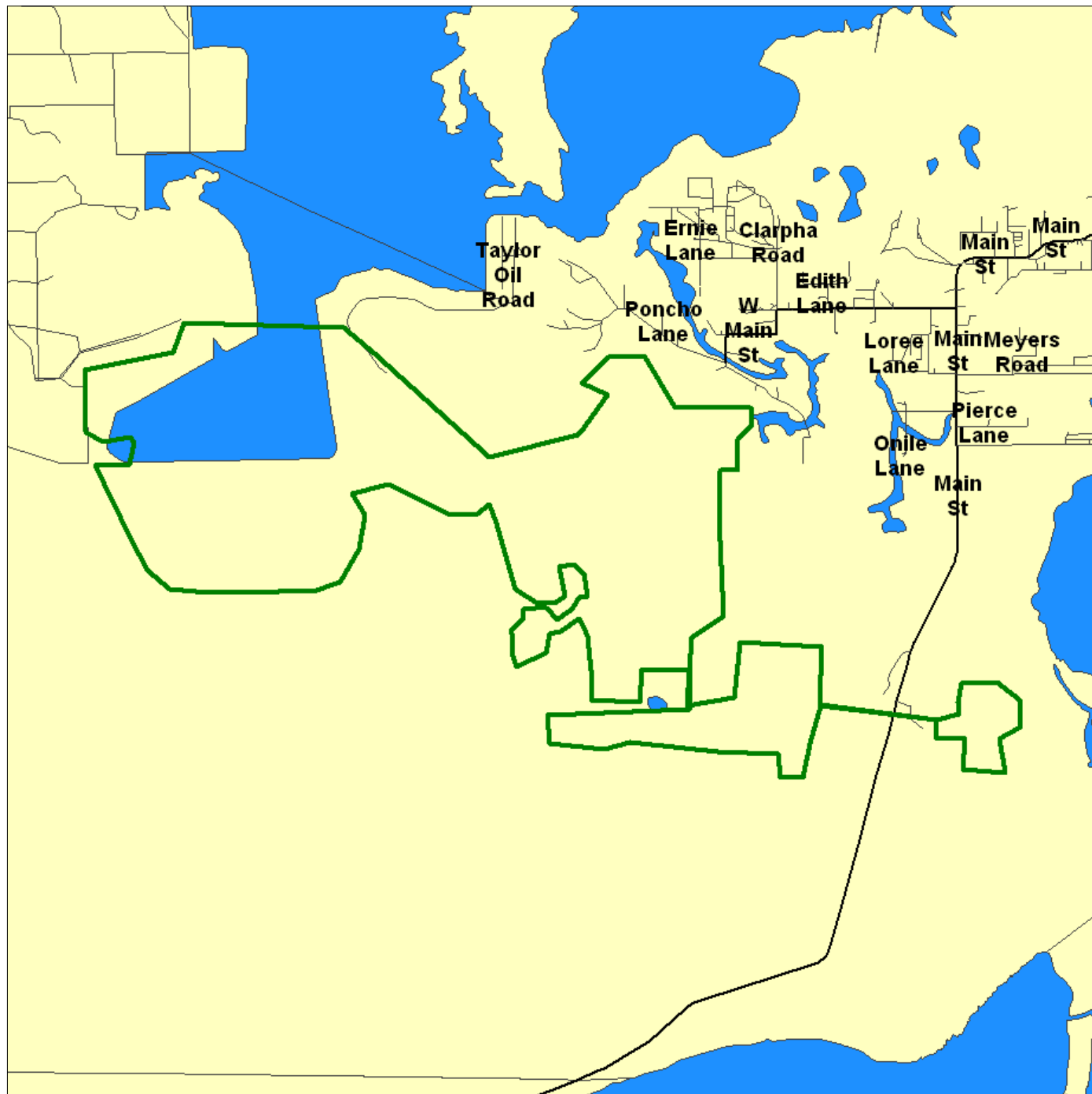


Environmental FirstSearch

.5 Mile Radius from Area
AAI: CERCLIS, NFRAP, RCRATSD, LUST, SWL



CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES, HACKBERRY LA



Source: 2002 U.S. Census TIGER Files

Area Polygon	
Identified Site, Multiple Sites, Receptor	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	
Triballand.....	
Railroads	

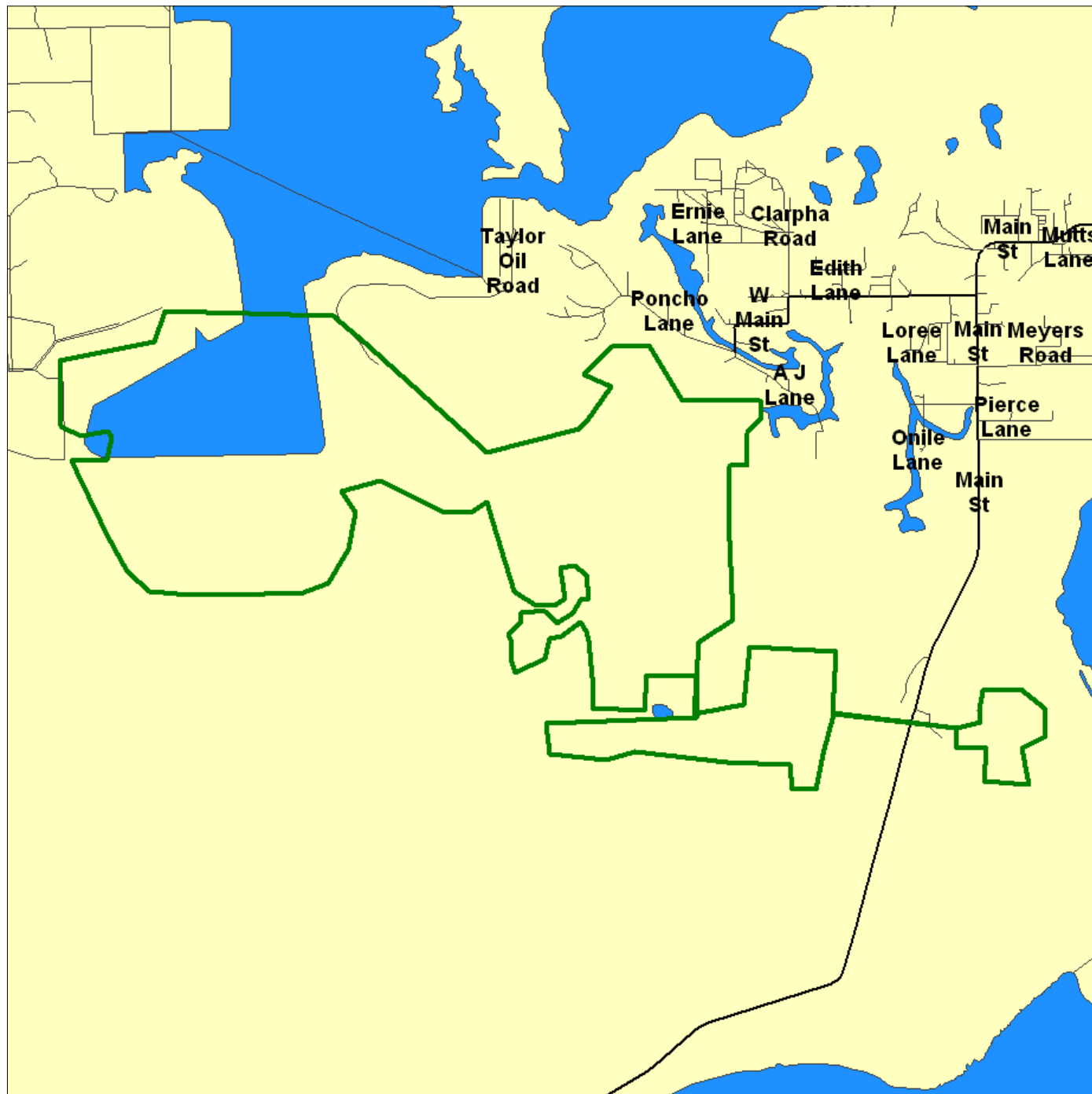


Environmental FirstSearch








.25 Mile Radius from Area
AAI: RCRAGEN, ERNS, UST



CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES, HACKBERRY LA



Source: 2002 U.S. Census TIGER Files

- Area Polygon 
- Identified Site, Multiple Sites, Receptor   
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste 
- Triballand..... 
- Railroads 

**Environmental FirstSearch
Site Information Report**

Request Date: 11-05-07
Requestor Name: Serena Pirolli
Standard: AAI

Search Type: AREA
Job Number: ES26430
Filtered Report

TARGET ADDRESS: CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES
 HACKBERRY LA 70645

Demographics

Sites: 24	Non-Geocoded: 24	Population: NA
Radon: NA		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
Longitude:	-93.433168	-93:25:59	Easting: 458200.913
Latitude:	29.952236	29:57:8	Northing: 3313391.787
			Zone: 15

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 0 Mile(s)	Services:																																		
<table border="1"> <thead> <tr> <th>ZIP Code</th> <th>City Name</th> <th>ST</th> <th>Dist/Dir</th> <th>Sel</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	ZIP Code	City Name	ST	Dist/Dir	Sel						<table border="1"> <thead> <tr> <th></th> <th>Requested?</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Sanborns</td> <td>No</td> <td></td> </tr> <tr> <td>Aerial Photographs</td> <td>No</td> <td></td> </tr> <tr> <td>Historical Topos</td> <td>No</td> <td></td> </tr> <tr> <td>City Directories</td> <td>No</td> <td></td> </tr> <tr> <td>Title Search/Env Liens</td> <td>No</td> <td></td> </tr> <tr> <td>Municipal Reports</td> <td>No</td> <td></td> </tr> <tr> <td>Online Topos</td> <td>No</td> <td></td> </tr> </tbody> </table>		Requested?	Date	Sanborns	No		Aerial Photographs	No		Historical Topos	No		City Directories	No		Title Search/Env Liens	No		Municipal Reports	No		Online Topos	No	
ZIP Code	City Name	ST	Dist/Dir	Sel																															
	Requested?	Date																																	
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Municipal Reports	No																																		
Online Topos	No																																		

Environmental FirstSearch *Selected Sites Summary Report*

TARGET SITE: CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES

JOB: ES26430

HACKBERRY LA 70645

TOTAL: 24 **GEOCODED:** 0 **NON GEOCODED:** 24 **SELECTED:** 24

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	ID
	ERNS	2.5 MILES SOUTH OF HACKBERRY, LA NRC-717825/PIPELINE	ON THE EAST SIDE OF HIGHWAY HACKBERRY LA	NON GC	1	4
	ERNS	AMOCO PIPELINE 276725/PIPELINE RELATED	1.5 MI SOUTH OF ICW 25 MI D HACKBERRY LA	NON GC	4	5
	ERNS	AMOCO PIPELINE 276726/PIPELINE RELATED	1 MI SOUTH OF ICW BY WAY OF HACKBERRY LA	NON GC	5	6
	ERNS	CHEVRON USA 182340/FIXED FACILITY	HACKBERRY LA 70645	NON GC	6	7
	ERNS	CHEVRON USA INC 235177/PIPELINE RELATED	NEAR HWY 27 HACKBERRY LA	NON GC	7	8
	ERNS	DIATSU OIL AND GAS - MILEMARKER 26 NRC-719543/STORAGE TANK	HACKBERRY LA	NON GC	8	9
	ERNS	GOODWRENCH OIL 356251/FIXED FACILITY	HACKBERRY LA 70645	NON GC	11	10
	ERNS	HACKBERRY TERMINAL NRC-774268/STORAGE TANK	HACKBERRY LA	NON GC	12	11
	ERNS	J.B. WAKINS WELL NO. 239 NRC-559838/FIXED	HWY 27 HACKBERRY LA	NON GC	15	12
	ERNS	JB WATKINS #135 NRC-524754/FIXED	BLACK BAYOU FIELD HACKBERRY LA	NON GC	18	13
	ERNS	L&L OIL CO 280983/HIGHWAY RELATED	HWY 27 HACKBERRY LA 70645	NON GC	21	14
	ERNS	ON A SPOIL BANK BETWEEN CALCASIEU NRC-781860/FIXED	HACKBERRY LA	NON GC	22	15
	ERNS	PIPELINE RUNS FROM NEAR DERLAND, TX NRC-619836/PIPELINE	HACKBERRY LA 70645	NON GC	25	16
	ERNS	SHELL WESTERN E & P 394024/PIPELINE RELATED	HACKBERRY LA 70645	NON GC	28	17
	ERNS	SHELL WESTERN E & P 419248/FIXED FACILITY	BLACK BAYOU FIELD HACKBERRY LA 70645	NON GC	29	18
	LUST	AMOCO PRODUCTION CO. 91-5-0001	HIGHWAY 27 HACKBERRY LA 70645	NON GC	30	23
	LUST	CIRCLE A FOOD STORE 75344	901 S MAIN ST HACKBERRY LA	NON GC	32	24
	RCRAGN	OXY NGL INC HACKBERRY TERM LAD980875587/VGN	HWY 27 2M N HACKBERRY LA 70645	NON GC	37	1
	RCRAGN	SABINE NATIONAL WILDLIFE REFUGE US LAR000010967/VGN	HWY 27 S 3000 MAIN ST HACKBERRY LA 70645	NON GC	38	2
	RCRAGN	WRIGHTS TEXACO LAD981586274/SGN	HWY 27 16 M S I20 SULPHUR L HACKBERRY LA 70645	NON GC	39	3
	STATE	TEXACO-MUD LAKE STATION 919/POTENTIAL SITE	HACKBERRY LA	NON GC	41	19

Environmental FirstSearch
Selected Sites Summary Report

TARGET SITE: CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES
HACKBERRY LA 70645

JOB: ES26430

TOTAL: 24 **GEOCODED:** 0 **NON GEOCODED:** 24 **SELECTED:** 24

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	ID
	UST	BROWN S EXXON 12-001083	MRH BOX 8A, HWY 27 HACKBERRY LA 70645	NON GC	42	20
	UST	DEBARGES CONVENIENT STORE 12-012529	HWY 27 PO BOX 355 HACKBERRY LA 70645	NON GC	46	21
	UST	GIFFORD HILL & CO INC - PLANT #58 27-004502	PO BOX 490 KINDER LA 70645	NON GC	48	22

Environmental FirstSearch Database Descriptions

NPL: *EPA* NATIONAL PRIORITY LIST - Database of confirmed and proposed Superfund sites.

NPL Delisted: *EPA* NATIONAL PRIORITY LIST Subset - Database of delisted Superfund sites.

CERCLIS: *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM - Database of current and potential Superfund sites currently or previously under investigation.

NFRAP: *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). 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.

RCRA COR ACT: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of RCRA facilities with reported violations and subject to corrective actions.

RCRA TSD: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of facilities licensed to store, treat and dispose of hazardous waste materials.

RCRA GEN: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN - Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

Federal IC / EC: *EPA* BROWNFIELD MANAGEMENT SYSTEM (BMS) - database designed to assist EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant Programs.

FEDERAL ENGINEERING AND INSTITUTIONAL CONTROLS- Superfund sites that have either an engineering or an institutional control. The data includes the control and the media contaminated.

ERNS: *EPA/NRC* EMERGENCY RESPONSE NOTIFICATION SYSTEM - Database of emergency response actions. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

Tribal Lands: *DOI/BIA* INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.

State/Tribal SWL: *LADEQ* listing of various solid waste facilities including open, closed, & permitted landfills, dumps, pesticide sites, and transfer stations

State/Tribal LUST: *LADEQ* Listing of all known leaking underground storage tanks

State/Tribal UST/AST: *LADEQ* Listing of all known underground storage tanks

State/Tribal IC: *LADEQ* Listing of all sites in the Voluntary Remediation Program (VRP) that are noted as having institutional controls placed on them.

State/Tribal VCP: *LADEQ* Listing of all sites in the Voluntary Remediation Program (VRP). Some VRP sites are noted as having institutional controls placed on them.

RADON: *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

Environmental FirstSearch Database Sources

NPL: EPA Environmental Protection Agency

Updated quarterly

NPL Delisted: EPA Environmental Protection Agency

Updated quarterly

CERCLIS: EPA Environmental Protection Agency

Updated quarterly

NFRAP: EPA Environmental Protection Agency.

Updated quarterly

RCRA COR ACT: EPA Environmental Protection Agency.

Updated quarterly

RCRA TSD: EPA Environmental Protection Agency.

Updated quarterly

RCRA GEN: EPA Environmental Protection Agency.

Updated quarterly

Federal IC / EC: EPA Environmental Protection Agency

Updated quarterly

ERNS: EPA/NRC Environmental Protection Agency

Updated semi-annually

Tribal Lands: DOI/BIA United States Department of the Interior

Updated annually

State/Tribal SWL: LADEQ Louisiana Department of Environmental Quality

Updated annually

State/Tribal LUST: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal UST/AST: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal IC: *LADEQ* The Texas Commission on Environmental Quality

Updated quarterly

State/Tribal VCP: *LADEQ* The Texas Commission on Environmental Quality

Updated quarterly

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Updated periodically

Environmental FirstSearch
Street Name Report for Streets within 1 Mile(s) of Target Property

TARGET SITE: CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES

JOB: ES26430

HACKBERRY LA 70645

Street Name	Dist/Dir	Street Name	Dist/Dir
A J Ln	0.28 NE		
Arthur Ln	0.82 NE		
Black Lake Rd	1.00 NE		
Cameron Parish 649	0.80 NE		
Cameron Parish 650	0.96 N-		
Floyd Little Rd	0.71 N-		
Johnny Benoit Rd	0.96 N-		
Johnson Ln	0.50 N-		
La 27	0.00 --		
La 390	0.44 N-		
Leonard Cloud Rd	0.47 NW		
Maggie Hebert Rd	0.23 NE		
Main St	0.58 NW		
Poncho Ln	0.27 NE		
Raymond Sanner Ln	0.36 N-		
Russell Ln	0.33 NE		
Shell Western Rd	0.36 NW		
Superior Rd	0.22 NW		
W Main St	0.71 N-		
Watts Ln	0.71 N-		
WEST Main St	0.71 N-		



Banks Environmental Data

Environmental FirstSearch™ Report

TARGET PROPERTY:

CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES

SULPHUR LA 70665

Job Number: ES26430

PREPARED FOR:

GEC, INC.

9215 Interline Avenue

Baton Rouge, LA 70884-4010

AAI

11-05-07



Tel: (512) 478-0059

Fax: (512) 478-1433

Environmental FirstSearch Search Summary Report

Target Site: CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES
SULPHUR LA 70665

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	09-10-07	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	09-10-07	0.50	0	0	0	0	-	0	0
CERCLIS	Y	10-08-07	0.50	0	0	0	0	-	0	0
NFRAP	Y	10-08-07	0.50	0	0	0	0	-	0	0
RCRA COR ACT	Y	06-06-06	1.00	0	0	0	0	0	0	0
RCRA TSD	Y	06-06-06	0.50	0	0	0	0	-	0	0
RCRA GEN	Y	06-06-06	0.25	0	0	0	-	-	4	4
Federal IC / EC	Y	10-02-07	0.50	0	0	0	0	-	0	0
ERNS	Y	12-31-06	0.25	0	0	0	-	-	5	5
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	0	0
State/Tribal Sites	Y	06-06-99	1.00	0	0	0	0	0	0	0
State/Tribal SWL	Y	08-23-07	0.50	0	0	0	0	-	0	0
State/Tribal LUST	Y	02-06-06	0.50	0	0	0	0	-	1	1
State/Tribal UST/AST	Y	02-02-06	0.25	0	0	0	-	-	3	3
State/Tribal IC	Y	12-14-06	0.50	0	0	0	0	-	0	0
State/Tribal VCP	Y	12-14-06	0.50	0	0	0	0	-	0	0
- TOTALS -				0	0	0	0	0	13	13

Notice of Disclaimer

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Waiver of Liability

Although Banks Information Solutions, Inc. uses its best efforts to research the actual location of each site, Banks Information Solutions, Inc. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of Banks Information Solutions, Inc.'s services proceeding are signifying an understanding of Banks Information Solutions, Inc.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

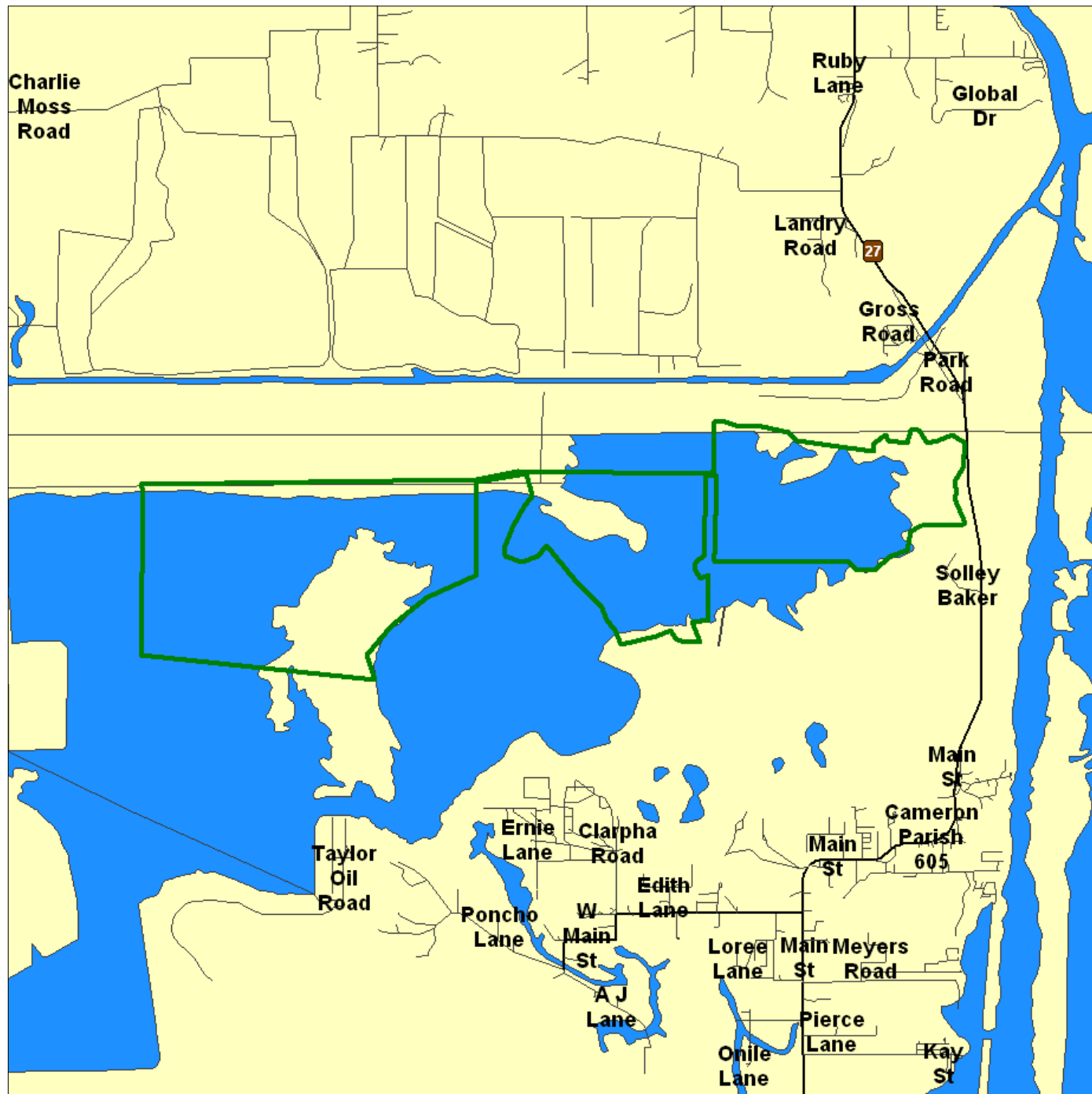


Environmental FirstSearch

1 Mile Radius from Area
Single Map:



CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES, SULPHUR LA 7



Source: 2002 U.S. Census TIGER Files

Area Polygon	
Identified Site, Multiple Sites, Receptor	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	
Triballand.....	
Railroads	

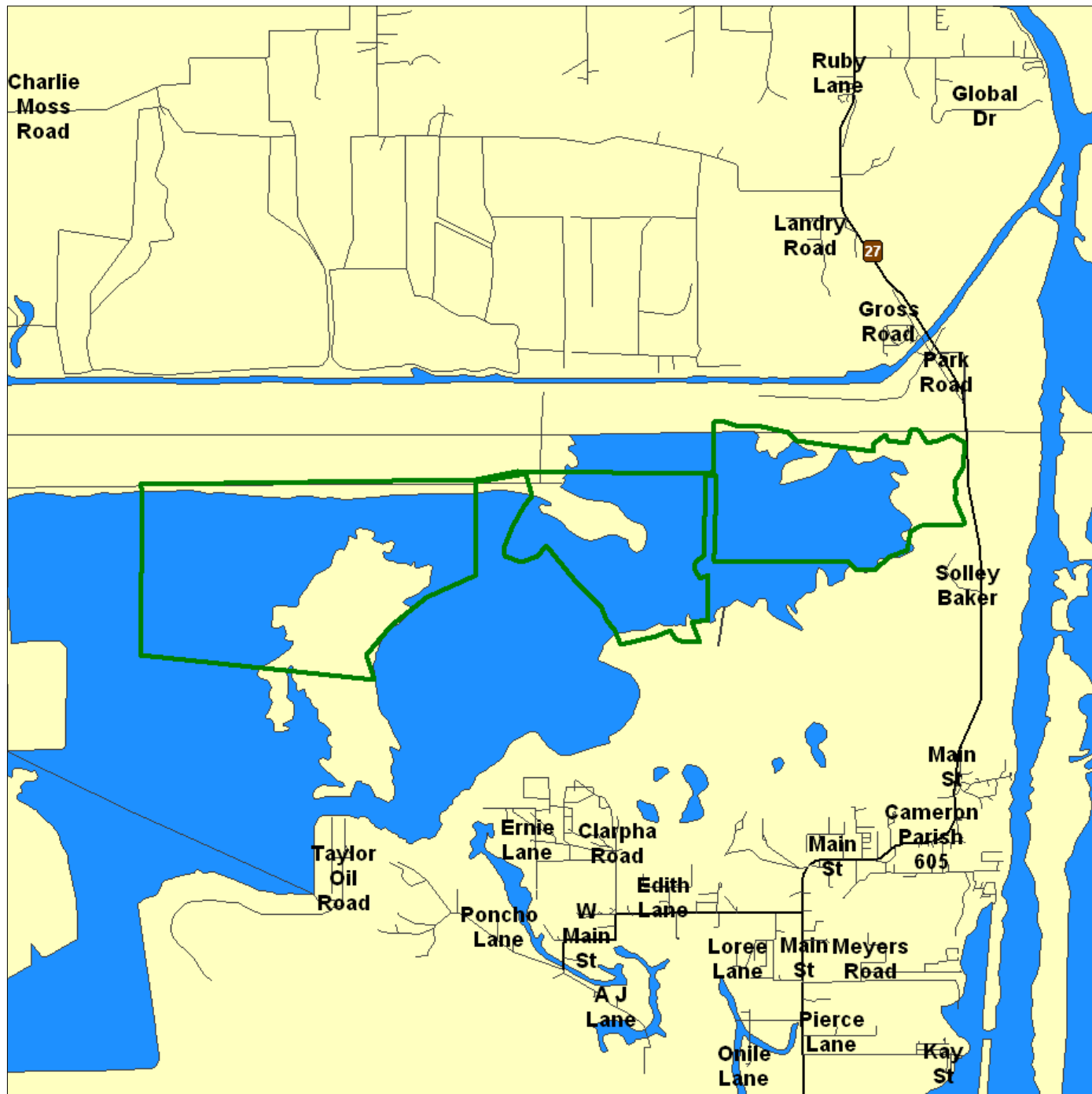


Environmental FirstSearch

1 Mile Radius from Area
AAI: NPL, RCACOR, STATE



CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES, SULPHUR LA 7



Source: 2002 U.S. Census TIGER Files

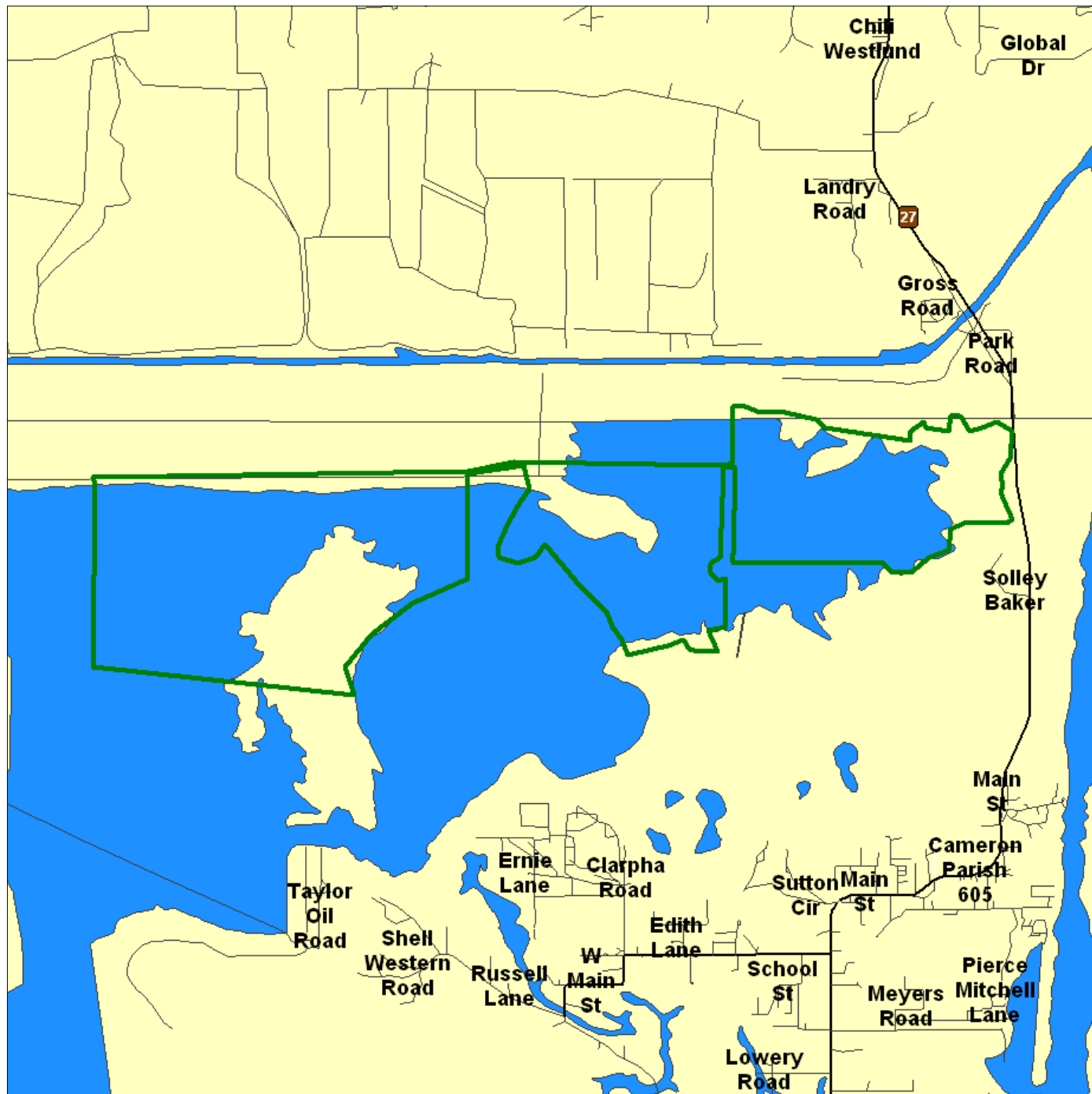
Area Polygon	
Identified Site, Multiple Sites, Receptor	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	
Triballand.....	
Railroads	



Environmental FirstSearch
 .5 Mile Radius from Area
 AAI: CERCLIS, NFRAP, RCRATSD, LUST, SWL

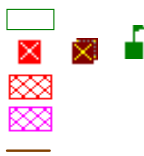


CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES, SULPHUR LA 7



Source: 2002 U.S. Census TIGER Files

- Area Polygon
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand.....
- Railroads



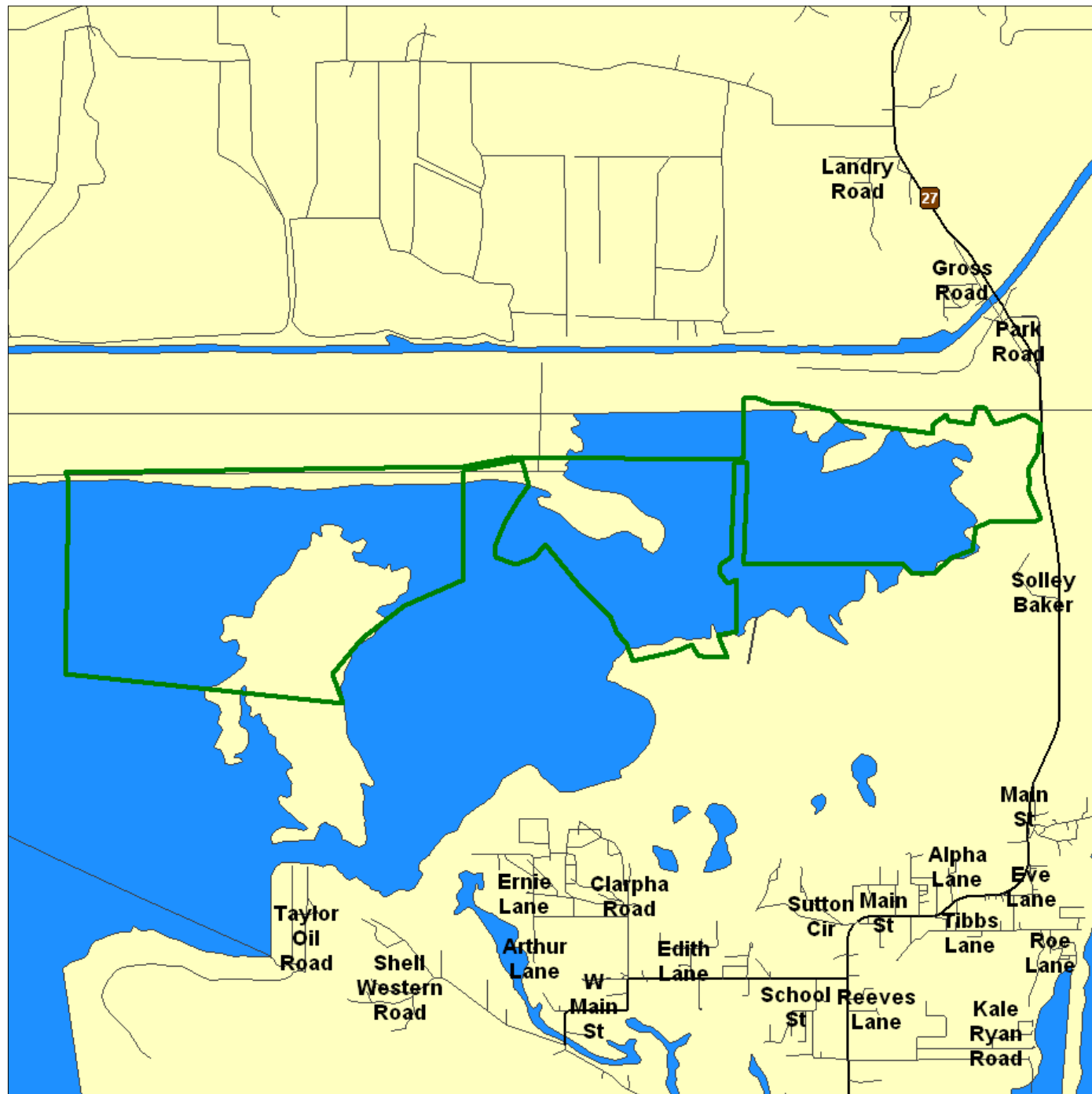


Environmental FirstSearch

.25 Mile Radius from Area
AAI: RCRAGEN, ERNS, UST

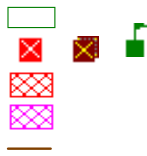


CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES, SULPHUR LA 7



Source: 2002 U.S. Census TIGER Files

- Area Polygon
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand.....
- Railroads



**Environmental FirstSearch
Site Information Report**

Request Date: 11-05-07
Requestor Name: Serena Pirolli
Standard: AAI

Search Type: AREA
Job Number: ES26430
Filtered Report

TARGET ADDRESS: CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES
 SULPHUR LA 70665

Demographics

Sites: 13	Non-Geocoded: 13	Population: NA
Radon: NA		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
Longitude:	-93.406637	-93:24:24	Easting: 460794.011
Latitude:	30.036006	30:2:10	Northing: 3322664.589
			Zone: 15

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 0.25 Mile(s)	Services:
---	------------------

<u>ZIP Code</u>	<u>City Name</u>	<u>ST</u>	<u>Dist/Dir</u>	<u>Sel</u>	<u>Requested?</u>	<u>Date</u>
70645	HACKBERRY	LA	0.00 --	Y	Sanborns	No
70605	LAKE CHARLES	LA	0.10 NE	N	Aerial Photographs	No
					Historical Topos	No
					City Directories	No
					Title Search/Env Liens	No
					Municipal Reports	No
					Online Topos	No

***Environmental FirstSearch
Selected Sites Summary Report***

TARGET SITE: CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES
SULPHUR LA 70665

JOB: ES26430

TOTAL: 13 **GEOCODED:** 0 **NON GEOCODED:** 13 **SELECTED:** 13

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	ID
	ERNS	BRAMMER ENGINEERING 358591/ABOVE GROUND STORAGE	HACKBERRY LA 70645	NON GC	1	5
	ERNS	CHEVRON USA 182340/FIXED FACILITY	HACKBERRY LA 70645	NON GC	2	6
	ERNS	GOODWRENCH OIL 356251/FIXED FACILITY	HACKBERRY LA 70645	NON GC	3	7
	ERNS	L&L OIL CO 280983/HIGHWAY RELATED	HWY 27 HACKBERRY LA 70645	NON GC	4	8
	ERNS	PIPELINE RUNS FROM NEAR DERLAND, TX NRC-619836/PIPELINE	HACKBERRY LA 70645	NON GC	5	9
	LUST	AMOCO PRODUCTION CO. 91-5-0001	HIGHWAY 27 HACKBERRY LA 70645	NON GC	8	13
	RCRAGN	HARVEST PIPELINE CO- HACKBERRY LAD985205897/VGN	500 SUTTON CIRCLE HACKBERRY LA 70645	NON GC	10	1
	RCRAGN	OXY NGL INC HACKBERRY TERM LAD980875587/VGN	HWY 27 2M N HACKBERRY LA 70645	NON GC	12	2
	RCRAGN	SABINE NATIONAL WILDLIFE REFUGE US LAR000010967/VGN	HWY 27 S 3000 MAIN ST HACKBERRY LA 70645	NON GC	13	3
	RCRAGN	WRIGHTS TEXACO LAD981586274/SGN	HWY 27 16 M S I20 SULPHUR L HACKBERRY LA 70645	NON GC	14	4
	UST	BROWN S EXXON 12-001083	MRH BOX 8A, HWY 27 HACKBERRY LA 70645	NON GC	16	10
	UST	DEBARGES CONVENIENT STORE 12-012529	HWY 27 PO BOX 355 HACKBERRY LA 70645	NON GC	20	11
	UST	WRIGHTS TEXACO 12-010189	HWY 27 16MI S I-20 SULPHUR HACKBERRY LA 70645	NON GC	22	12

Environmental FirstSearch Database Descriptions

NPL: *EPA* NATIONAL PRIORITY LIST - Database of confirmed and proposed Superfund sites.

NPL Delisted: *EPA* NATIONAL PRIORITY LIST Subset - Database of delisted Superfund sites.

CERCLIS: *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM - Database of current and potential Superfund sites currently or previously under investigation.

NFRAP: *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). 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.

RCRA COR ACT: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of RCRA facilities with reported violations and subject to corrective actions.

RCRA TSD: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of facilities licensed to store, treat and dispose of hazardous waste materials.

RCRA GEN: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN - Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

Federal IC / EC: *EPA* BROWNFIELD MANAGEMENT SYSTEM (BMS) - database designed to assist EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant Programs.

FEDERAL ENGINEERING AND INSTITUTIONAL CONTROLS- Superfund sites that have either an engineering or an institutional control. The data includes the control and the media contaminated.

ERNS: *EPA/NRC* EMERGENCY RESPONSE NOTIFICATION SYSTEM - Database of emergency response actions. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

Tribal Lands: *DOI/BIA* INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.

State/Tribal SWL: *LADEQ* listing of various solid waste facilities including open, closed, & permitted landfills, dumps, pesticide sites, and transfer stations

State/Tribal LUST: *LADEQ* Listing of all known leaking underground storage tanks

State/Tribal UST/AST: *LADEQ* Listing of all known underground storage tanks

State/Tribal IC: *LADEQ* Listing of all sites in the Voluntary Remediation Program (VRP) that are noted as having institutional controls placed on them.

State/Tribal VCP: *LADEQ* Listing of all sites in the Voluntary Remediation Program (VRP). Some VRP sites are noted as having institutional controls placed on them.

RADON: *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

Environmental FirstSearch Database Sources

NPL: EPA Environmental Protection Agency

Updated quarterly

NPL Delisted: EPA Environmental Protection Agency

Updated quarterly

CERCLIS: EPA Environmental Protection Agency

Updated quarterly

NFRAP: EPA Environmental Protection Agency.

Updated quarterly

RCRA COR ACT: EPA Environmental Protection Agency.

Updated quarterly

RCRA TSD: EPA Environmental Protection Agency.

Updated quarterly

RCRA GEN: EPA Environmental Protection Agency.

Updated quarterly

Federal IC / EC: EPA Environmental Protection Agency

Updated quarterly

ERNS: EPA/NRC Environmental Protection Agency

Updated semi-annually

Tribal Lands: DOI/BIA United States Department of the Interior

Updated annually

State/Tribal SWL: LADEQ Louisiana Department of Environmental Quality

Updated annually

State/Tribal LUST: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal UST/AST: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal IC: *LADEQ* The Texas Commission on Environmental Quality

Updated quarterly

State/Tribal VCP: *LADEQ* The Texas Commission on Environmental Quality

Updated quarterly

RADON: *NTIS* Environmental Protection Agency, National Technical Information Services

Updated periodically

Environmental FirstSearch
Street Name Report for Streets within 1 Mile(s) of Target Property

TARGET SITE: CALCASIEU SHIP CHANNEL BENEFICIAL USE SITES

JOB: ES26430

SULPHUR LA 70665

Street Name	Dist/Dir	Street Name	Dist/Dir
Dock Board Rd	0.72 NW		
Falco Rd	0.74 NE		
Gross Rd	0.95 NW		
Intracoastal Park Rd	0.74 NE		
La 27	0.02 NE		
Old Ferry Rd	0.81 NW		
Park Rd	0.33 NE		
Solley Baker	0.26 S-		
State Route 27	0.10 NE		



Banks Environmental Data

Environmental FirstSearch™ Report

Target Property: HTRW

CAMERON LA 70631

Job Number: ES46944

PREPARED FOR:

GEC, INC.

PO BOX 84010

Baton Rouge, LA 70884-4010

01-14-09



Tel: (512) 478-0059

Fax: (512) 478-1433

Environmental FirstSearch *Search Summary Report*

Target Site:

CAMERON LA 70631

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	10-08-08	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	10-08-08	0.50	0	0	0	0	-	0	0
CERCLIS	Y	10-08-08	0.50	0	0	0	0	-	0	0
NFRAP	Y	10-08-08	0.50	0	0	0	0	-	0	0
RCRA COR ACT	Y	09-08-08	1.00	0	0	0	0	0	0	0
RCRA TSD	Y	09-08-08	0.50	0	0	0	0	-	0	0
RCRA GEN	Y	09-08-08	0.25	0	0	0	-	-	0	0
Federal IC / EC	Y	12-02-08	0.50	0	0	0	0	-	0	0
ERNS	Y	11-17-08	0.25	0	0	0	-	-	0	0
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	1	1
State/Tribal Sites	Y	06-06-99	1.00	0	0	0	0	0	1	1
State Spills 90	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal SWL	Y	08-23-07	0.50	0	0	0	0	-	0	0
State/Tribal LUST	Y	02-02-08	0.50	0	0	0	0	-	0	0
State/Tribal UST/AST	Y	12-30-08	0.25	0	0	0	-	-	1	1
State/Tribal EC	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal IC	Y	12-14-07	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	12-14-08	0.50	0	0	0	0	-	0	0
State/Tribal Brownfields	Y	NA	0.50	0	0	0	0	-	0	0
State Other	Y	01-01-07	0.25	0	0	0	-	-	0	0
- TOTALS -				0	0	0	0	0	3	3

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Environmental FirstSearch

1 Mile Radius from Area
AAI: NPL, RCACOR, STATE



, CAMERON LA 70631



Source: 2005 U.S. Census TIGER Files

- Area Polygon
 - Identified Site, Multiple Sites, Receptor
 - NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
 - Triballand.....
 - Railroads
-



Environmental FirstSearch

.5 Mile Radius from Area
AAI: Multiple Databases



, CAMERON LA 70631



Source: 2005 U.S. Census TIGER Files

Area Polygon	
Identified Site, Multiple Sites, Receptor	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	
Triballand.....	
Railroads	

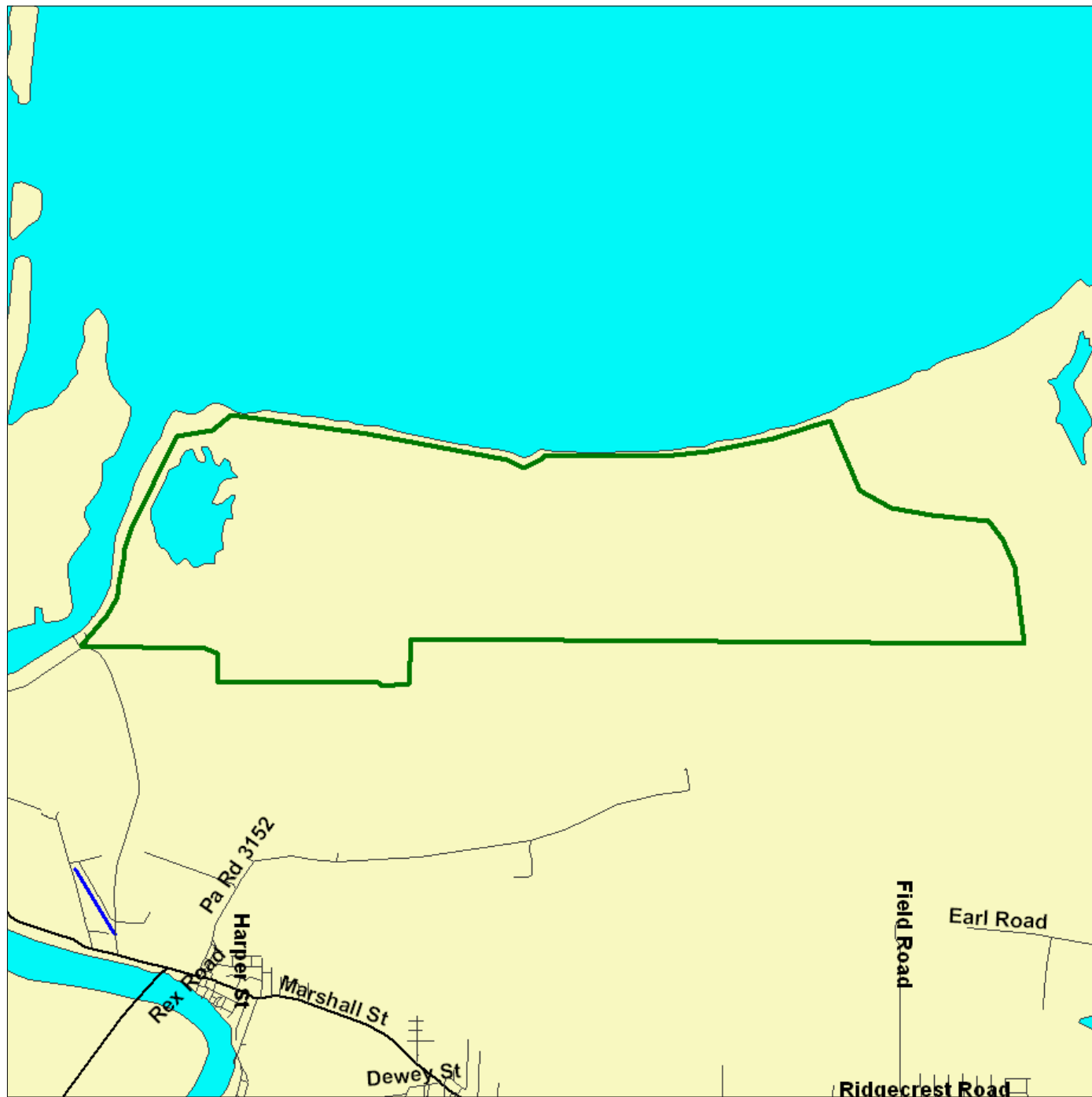


Environmental FirstSearch

.25 Mile Radius from Area
AAI: SPILLS90, RCRA GEN, ERNS, UST, OTHER



, CAMERON LA 70631



Source: 2005 U.S. Census TIGER Files

Area Polygon	
Identified Site, Multiple Sites, Receptor	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	
Triballand.....	
Railroads	

***Environmental FirstSearch
Site Information Report***

Request Date: 01-14-09
Requestor Name: Lauren Kinler
Standard: AAI

Search Type: AREA
 4.71 sq mile(s)
Job Number: ES46944
Filtered Report

Target Site:

CAMERON LA 70631

Demographics

Sites: 3	Non-Geocoded: 3	Population: NA
Radon: -0.2 - 0.6 PCI/L		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
Longitude:	-93.294993	-93:17:42	Easting: 471499.479
Latitude:	29.829561	29:49:46	Northing: 3299756.726
Elevation:	N/A		Zone: 15

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 0 Mile(s)	Services:																																		
<table border="1"> <thead> <tr> <th>ZIP Code</th> <th>City Name</th> <th>ST</th> <th>Dist/Dir</th> <th>Sel</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	ZIP Code	City Name	ST	Dist/Dir	Sel						<table border="1"> <thead> <tr> <th></th> <th>Requested?</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Fire Insurance Maps</td> <td>No</td> <td></td> </tr> <tr> <td>Aerial Photographs</td> <td>No</td> <td></td> </tr> <tr> <td>Historical Topos</td> <td>No</td> <td></td> </tr> <tr> <td>City Directories</td> <td>No</td> <td></td> </tr> <tr> <td>Title Search/Env Liens</td> <td>No</td> <td></td> </tr> <tr> <td>Municipal Reports</td> <td>No</td> <td></td> </tr> <tr> <td>Online Topos</td> <td>No</td> <td></td> </tr> </tbody> </table>		Requested?	Date	Fire Insurance Maps	No		Aerial Photographs	No		Historical Topos	No		City Directories	No		Title Search/Env Liens	No		Municipal Reports	No		Online Topos	No	
ZIP Code	City Name	ST	Dist/Dir	Sel																															
	Requested?	Date																																	
Fire Insurance Maps	No																																		
Aerial Photographs	No																																		
Historical Topos	No																																		
City Directories	No																																		
Title Search/Env Liens	No																																		
Municipal Reports	No																																		
Online Topos	No																																		

***Environmental FirstSearch
Sites Summary Report***

Target Property: CAMERON LA 70631

JOB: ES46944

TOTAL: 3 **GEOCODED:** 0 **NON GEOCODED:** 3 **SELECTED:** 3

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	STATE	SHELL OIL CO. GAS PLANT 803/POTENTIAL SITE	UNKNOWN CAMERON LA	NON GC	N/A	1
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTACT I BIA-70631	UNKNOWN LA 70631	NON GC	N/A	2
	UST	ZAPATA HAYNIE CORP - CAMERON PLANT 12-013860	HC69 - BOX CAMERON LA 70631	NON GC	N/A	3

***Environmental FirstSearch
Site Detail Report***

Target Property: CAMERON LA 70631

JOB: ES46944

STATE

SEARCH ID: 1	DIST/DIR: NON GC	ELEVATION:	MAP ID:
---------------------	-------------------------	-------------------	----------------

NAME: SHELL OIL CO. GAS PLANT	REV: 04/06/99
ADDRESS: UNKNOWN	ID1: 803
CAMERON LA	ID2:
CAMERON	STATUS: POTENTIAL SITE
CONTACT:	PHONE:
SOURCE:	

SITE INFORMATION

TOWNSHIP/SECTION/RANGE:
LONGITUDE:
LATITUDE:
SITE STATUS: POTENTIAL SITE

**Environmental FirstSearch
Site Detail Report**

Target Property: CAMERON LA 70631

JOB: ES46944

TRIBALLAND

SEARCH ID: 3 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME:	BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION	REV:	01/15/08
ADDRESS:	UNKNOWN LA 70631 CAMERON	ID1:	BIA-70631
CONTACT:		ID2:	
SOURCE:	BIA	STATUS:	
		PHONE:	

BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION

OFFICE:	Eastern Regional Office
CONTACT:	FRANKLIN KEEL, REGIONAL DIRECTOR
ADDRESS:	545 MARRIOTT DR, SUITE 700 Nashville TN 37214
PHONE:	Phone: 615-564-6700
FAX:	Fax: 615-564-6701

The Native American Consultation Database (NACD) is a tool for identifying consultation contacts for Indian tribes, Alaska Native villages and corporations, and Native Hawaiian organizations. The database is not a comprehensive source of information, but it does provide a starting point for the consultation process by identifying tribal leaders and NAGPRA contacts. This database can be accessed online at the following web address <http://home.nps.gov/nacd/>

**Environmental FirstSearch
Site Detail Report**

Target Property: CAMERON LA 70631

JOB: ES46944

UST

SEARCH ID: 2 **DIST/DIR:** NON GC **ELEVATION:** **MAP ID:**

NAME: ZAPATA HAYNIE CORP - CAMERON PLANT	REV: 01/28/06
ADDRESS: HC69 - BOX	ID1: 12-013860
CAMERON LA 70631	ID2:
CAMERON	STATUS:
CONTACT:	PHONE:
SOURCE:	

TANK INFORMATION

TANK NUMBER:	40179
INSTALL DATE:	1/1/1980
STATUS:	Closed
STATUS DATE:	2/1/1993
TANK CAPACITY:	2000 GALLONS
TANK COMPARTMENTS:	1

TANK CONTENTS

GASOLINE:	
DIESEL:	
GASAHOL:	
KEROSENE:	
HEATING OIL:	
OTHER SUBSTANCE:	AV GAS
NEW OR USED OIL:	

MATERIAL(S) OF CONSTRUCTION

ASPHALT COATED or BARE STEEL:	Y
CATHODE PROTECTION:	
EPOXY COATED:	
COMPOSITE:	
FIBERGLASS:	
LINED INTERIOR:	
DOUBLE WALLED:	
POLYETHYLENE JACKET:	
CONCRETE:	
EXCAVATION LINER:	
UNKNOWN MATERIAL:	
OTHER MATERIAL:	
OTHER MATERIAL DESCRIPTION:	
PIPING:	Suction: With Release Detection

Environmental FirstSearch Descriptions

NPL: EPA NATIONAL PRIORITY LIST - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.

A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

FINAL - Currently on the Final NPL

PROPOSED - Proposed for NPL

NPL DELISTED: EPA NATIONAL PRIORITY LIST Subset - Database of delisted NPL sites. 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.

DELISTED - Deleted from the Final NPL

CERCLIS: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

PART OF NPL- Site is part of NPL site

DELETED - Deleted from the Final NPL

FINAL - Currently on the Final NPL

NOT PROPOSED - Not on the NPL

NOT VALID - Not Valid Site or Incident

PROPOSED - Proposed for NPL

REMOVED - Removed from Proposed NPL

SCAN PLAN - Pre-proposal Site

WITHDRAWN - Withdrawn

NFRAP: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). 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.

NFRAP – No Further Remedial Action Plan

P - Site is part of NPL site

D - Deleted from the Final NPL

F - Currently on the Final NPL

N - Not on the NPL

O - Not Valid Site or Incident

P - Proposed for NPL

R - Removed from Proposed NPL

S - Pre-proposal Site

W – Withdrawn

RCRA COR ACT: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

RCRAInfo facilities that have reported violations and subject to corrective actions.

RCRA TSD: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that treat, store, dispose, or incinerate hazardous waste.

RCRA GEN: EPA/MA DEP/CT DEP RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN – Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

CONNECTICUT HAZARDOUS WASTE MANIFEST – Database of all shipments of hazardous waste within, into or from Connecticut. The data includes date of shipment, transporter and TSD info, and material shipped and quantity. This data is appended to the details of existing generator records.

MASSACHUSETTES HAZARDOUS WASTE GENERATOR – database of generators that are regulated under the MA DEP.

VQN-MA = generates less than 220 pounds or 27 gallons per month of hazardous waste or waste oil.

SQN-MA = generates 220 to 2,200 pounds or 27 to 270 gallons per month of waste oil.

LQG-MA = generates greater than 2,200 lbs of hazardous waste or waste oil per month.

Federal IC / EC: EPA BROWNFIELD MANAGEMENT SYSTEM (BMS) - database designed to assist EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant Programs.

FEDERAL ENGINEERING AND INSTITUTIONAL CONTROLS- Superfund sites that have either an engineering or an institutional control. The data includes the control and the media contaminated.

ERNS: EPA/NRC EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

Tribal Lands: DOI/BIA INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.

BUREAU OF INDIAN AFFIARS CONTACT - Regional contact information for the Bureau of Indian Affairs offices.

State/Tribal Sites: LADEQ listing of Inactive or Abandoned sites. These are sites that are either potential, confirmed or NFA state cleanup sites.

State/Tribal SWL: LADEQ listing of various solid waste facilities including open, closed, & permitted

landfills, dumps, pesticide sites, and transfer stations

State/Tribal LUST: *LADEQ* Listing of all known leaking underground storage tanks

State/Tribal UST/AST: *LADEQ* Listing of all known underground storage tanks

State/Tribal EC: *LADEQ* See Institutional Controls database

State/Tribal IC: *LADEQ* Listing of all sites in the Voluntary Remediation Program (VRP) that are noted as having institutional controls placed on them.

State/Tribal VCP: *LADEQ* Listing of all sites in the Voluntary Remediation Program (VRP). Some VRP sites are noted as having institutional controls placed on them.

State/Tribal Brownfields: *LADEQ* BROWNFIELDS - Targeted Brownfields Assessment (TBA) Services are offered by The Louisiana Department Environment Quality (LADEQ) Voluntary Remediation Program (VRP). According to Roger Gingles of the LADEQ, LADEQ does not keep a list at the state level of Brownfield sites. For more information contact Mr. Gingles with the LADEQ at (225) 219-3236.

RADON: *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

State Other: *US DOJ* NATIONAL CLANDESTINE LABORATORY REGISTER - Database of addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the U.S. Department of Justice ("the Department"), and the Department has not verified the entry and does not guarantee its accuracy. All sites that are included in this data set will have an id that starts with NCLR.

Environmental FirstSearch Database Sources

NPL: *EPA* Environmental Protection Agency

Updated quarterly

NPL DELISTED: *EPA* Environmental Protection Agency

Updated quarterly

CERCLIS: *EPA* Environmental Protection Agency

Updated quarterly

NFRAP: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA COR ACT: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA TSD: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA GEN: *EPA/MA DEP/CT DEP* Environmental Protection Agency, Massachusetts Department of Environmental Protection, Connecticut Department of Environmental Protection

Updated quarterly

Federal IC / EC: *EPA* Environmental Protection Agency

Updated quarterly

ERNS: *EPA/NRC* Environmental Protection Agency

Updated annually

Tribal Lands: *DOI/BIA* United States Department of the Interior

Updated annually

State/Tribal Sites: *LADEQ* Louisiana Department of Environmental Quality

Updated annually

State/Tribal SWL: *LADEQ* Louisiana Department of Environmental Quality

Updated annually

State/Tribal LUST: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal UST/AST: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal EC: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal IC: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal VCP: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal Brownfields: *LADEQ* Louisiana Department of Environmental Quality

Updated n/a

RADON: *NTIS* Environmental Protection Agency, National Technical Information Services

Updated periodically

State Other: *US DOJ* U.S. Department of Justice

Updated when available

Environmental FirstSearch
Street Name Report for Streets within 1 Mile(s) of Target Property

Target Property: CAMERON LA 70631

JOB: ES46944

Street Name	Dist/Dir	Street Name	Dist/Dir
Wakefield Rd	0.59 SW		
Cameron Parish 3158	0.60 SW		
Amaco Rd	0.91 S-		
Pa Rd 3152	0.91 S-		



Banks Environmental Data

Environmental FirstSearch™ Report

Target Property: LAKE CHARLES TO GULF

CALCASIEU LAKE

HACKBERRY LA 70645

Job Number: ES53177

PREPARED FOR:

GEC, INC.

P.O. Box 84010

Baton Rouge, LA 70884-4010

06-30-09



Tel: (512) 478-0059

Fax: (512) 478-1433

Environmental FirstSearch

Search Summary Report

Target Site: CALCASIEU LAKE
HACKBERRY LA 70645

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	04-07-09	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	04-07-09	1.00	0	0	0	0	0	0	0
CERCLIS	Y	05-27-09	1.00	0	0	0	0	0	0	0
NFRAP	Y	05-27-09	1.00	0	0	0	0	0	0	0
RCRA COR ACT	Y	05-13-09	1.00	0	0	0	0	0	0	0
RCRA TSD	Y	05-13-09	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	05-13-09	1.00	0	0	3	9	4	4	20
RCRA NLR	Y	05-13-09	1.00	0	0	1	1	1	1	4
Federal IC / EC	Y	05-05-09	1.00	0	0	0	0	0	0	0
ERNS	Y	06-16-09	1.00	0	0	0	73	19	17	109
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	0	0
State/Tribal Sites	Y	06-06-99	1.00	0	0	0	0	0	0	0
State Spills 90	Y	06-01-09	1.00	0	0	0	0	0	0	0
State/Tribal SWL	Y	08-23-07	1.00	0	0	0	0	0	0	0
State/Tribal LUST	Y	02-18-09	1.00	0	0	0	0	0	0	0
State/Tribal UST/AST	Y	01-01-09	1.00	0	0	0	3	2	1	6
State/Tribal EC	Y	NA	1.00	0	0	0	0	0	0	0
State/Tribal IC	Y	12-14-07	1.00	0	0	0	0	0	0	0
State/Tribal VCP	Y	12-14-08	1.00	0	0	0	0	0	0	0
State/Tribal Brownfields	Y	NA	1.00	0	0	0	0	0	0	0
Receptors	Y	01-01-05	1.00	0	0	0	0	0	0	0
NPDES	Y	05-09-09	1.00	0	0	0	1	2	11	14
FINDS	Y	07-10-07	1.00	0	0	2	19	11	30	62
TRIS	Y	09-23-08	1.00	0	0	0	6	2	0	8
HMIRS	Y	06-01-09	1.00	0	0	0	1	1	0	2
NCDB	Y	04-09-09	1.00	0	0	0	1	1	0	2
PADS	Y	02-26-09	1.00	0	0	0	0	0	0	0
AIRS	Y	04-18-09	1.00	0	0	2	5	10	17	34
DOCKET	Y	01-09-06	1.00	0	0	0	0	10	17	27

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to Banks Environmental Data, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in Banks Environmental Data's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although Banks Environmental Data uses its best efforts to research the actual location of each site, Banks Environmental Data does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of Banks Environmental Data services proceeding are signifying an understanding of Banks Environmental Data searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

- Continued on next page -

Environmental FirstSearch *Search Summary Report*

Target Site: CALCASIEU LAKE
HACKBERRY LA 70645

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
Nuclear Permits	Y	04-30-99	1.00	0	0	0	0	0	0	0
Releases	Y	06-16-09	1.00	0	0	0	6	1	4	11
Federal Other	Y	01-12-08	1.00	0	0	0	0	0	0	0
SETS PRP	Y	11-19-02	1.00	0	0	0	0	0	0	0
State Other	Y	01/30/09	1.00	0	0	0	0	0	0	0
- TOTALS -				0	0	8	125	64	102	299

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to Banks Environmental Data, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in Banks Environmental Data's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

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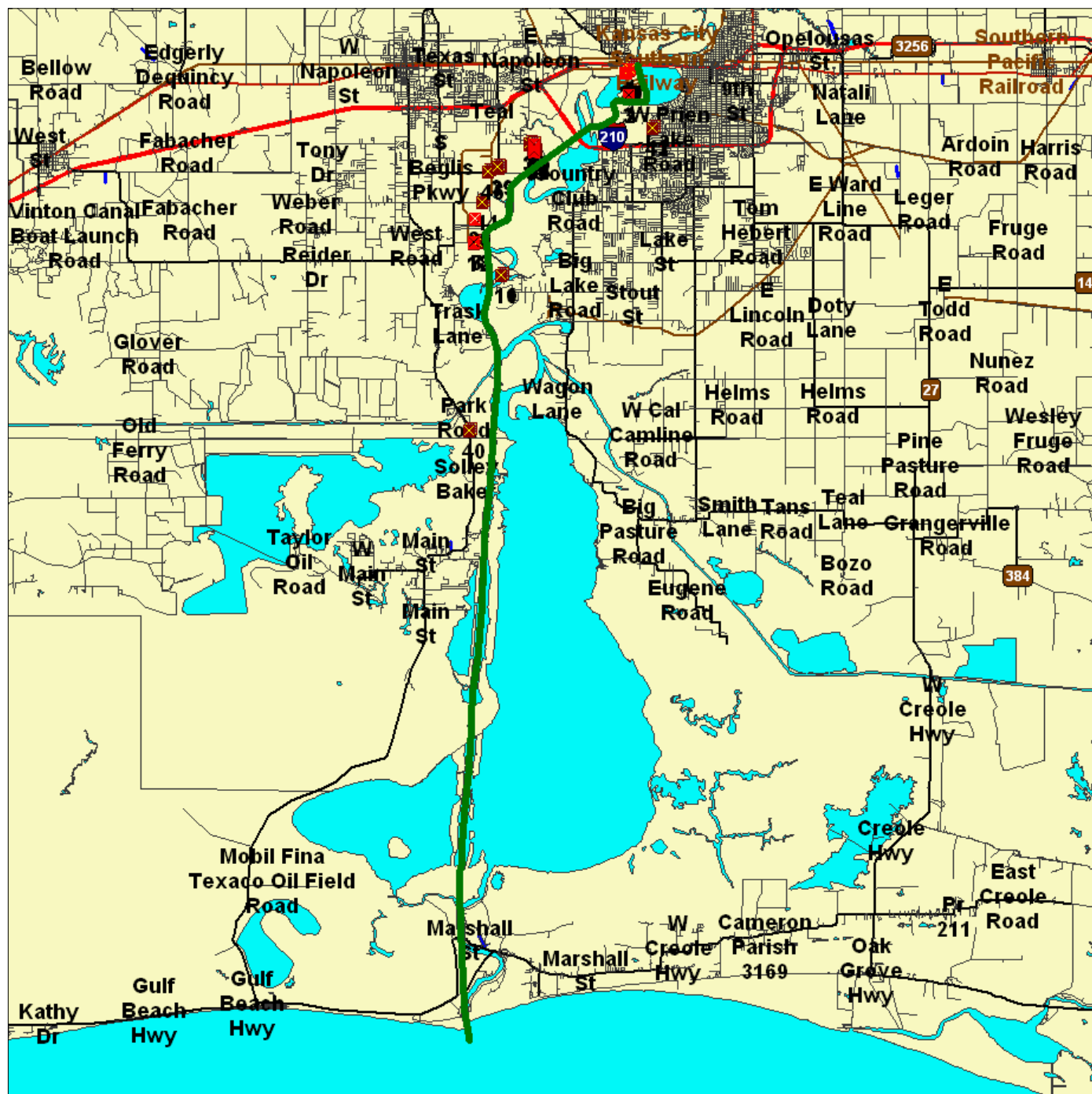


Environmental FirstSearch

1 Mile Radius from Line
HALF MILE SEARCH: Multiple Databases



CALCASIEU LAKE , HACKBERRY LA 70645



Source: 2005 U.S. Census TIGER Files

- | | |
|--|--|
| Linear Search Line | |
| Identified Site, Multiple Sites, Receptor | |
| NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste | |
| Triballand..... | |
| Railroads | |

***Environmental FirstSearch
Site Information Report***

Request Date: 06-30-09
Requestor Name: Lauren Kinler
Standard: HALF MILE SEARCH

Search Type: LINEAR
 37.19 mile(s)
Job Number: ES53177
Filtered Report

Target Site: CALCASIEU LAKE
 HACKBERRY LA 70645

Demographics

Sites: 299	Non-Geocoded: 102	Population: NA
Radon: NA		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
Longitude:	-93.294511	-93:17:40	Easting:	471593.124
Latitude:	29.99531	29:59:43	Northing:	3318122.154
Elevation:	N/A		Zone:	15

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)	Services:
--------------------------------------	------------------

<u>ZIP Code</u>	<u>City Name</u>	<u>ST</u>	<u>Dist/Dir</u>	<u>Sel</u>	<u>Requested?</u>	<u>Date</u>
70601	LAKE CHARLES	LA	0.00 --	Y	Fire Insurance Maps	No
70605	LAKE CHARLES	LA	0.00 --	Y	Aerial Photographs	No
70631	CAMERON	LA	0.00 --	Y	Historical Topos	No
70665	SULPHUR	LA	0.00 --	Y	City Directories	No
70669	WESTLAKE	LA	0.00 --	Y	Title Search/Env Liens	No
					Municipal Reports	No
					Online Topos	No

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

TOTAL: 299 **GEOCODED:** 197 **NON GEOCODED:** 102 **SELECTED:** 299

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
2	AIRS	HOLNAM, INC. LA0943655/AIRS DATABASE	380 IDEAL ROAD WESTLAKE LA 70669	0.23 NE	N/A	1
3	AIRS	R E HEIDT CONSTRUCTION CO INC LA0819785/AIRS DATABASE	300 IDEAL CEMENT ROAD WESTLAKE LA 70669	0.25 NE	N/A	1
8	AIRS	RAIN CII CARBON LLC - LAKE CHARLES LA0819754/AIRS DATABASE	1920 PAK TANK ROAD SULPHUR LA 70665	0.29 SW	N/A	2
13	AIRS	WESTLAKE STYRENE LLC - MARINE TERM LA0819819/AIRS DATABASE	1820 PAK TANK ROAD SULPHUR LA 70665	0.41 SW	N/A	2
21	AIRS	DUNHAM-PRICE LLC - MIKE HOOKS ROAD LA0819750/AIRS DATABASE	210 MIKE HOOKS ROAD WESTLAKE LA 70602	0.43 SW	N/A	3
26	AIRS	HALLIBURTON ENERGY SERVICES - LAKE LA0822265/AIRS DATABASE	3500 BAYOU D INDE ROAD WESTLAKE LA 70669	0.48 NW	N/A	3
26	AIRS	HALLIBURTON ENERGY SERVICES - LAKE LA0958555/AIRS DATABASE	3500 BAYOU D INDE ROAD WESTLAKE LA 70669	0.48 NW	N/A	4
28	AIRS	W R GRACE CO - CONN - DAVISON DI LA0819724/AIRS DATABASE	1800 DAVISON ROAD SULPHUR LA 70663	0.58 NW	N/A	4
30	AIRS	SULPHUR CITY OF - REGIONAL WWTP LA0969855/AIRS DATABASE	3400 BAYOU D INDE ROAD SULPHUR LA 70669	0.61 NW	N/A	5
32	AIRS	GEO SPECIALTY CHEMICALS INC WESTLA LA0819742/AIRS DATABASE	3393 BAYOU D INDE ROAD WESTLAKE LA 70669	0.63 NW	N/A	5
33	AIRS	BASELL USA INC - WESTLAKE FACILITY LA0819729/AIRS DATABASE	4101 HIGHWAY 108 WESTLAKE LA 70669	0.71 NW	N/A	6
33	AIRS	MONTELL U.S.A., INC. LA0914993/AIRS DATABASE	4101 HWY. 108 WESTLAKE LA 70669	0.71 NW	N/A	6
33	AIRS	MONTELL U.S.A., INC. LA0915883/AIRS DATABASE	4101 HWY. 108 WESTLAKE LA 70669	0.71 NW	N/A	7
37	AIRS	LOUISIANA PIGMENT CO LP - TITANIUM LA0819807/AIRS DATABASE	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.73 NW	N/A	7
37	AIRS	LA PIGMENT LA0924379/AIRS DATABASE	3300 BYU D INDE ROAD W LAKE LA 70669	0.73 NW	N/A	8
39	AIRS	WESTLAKE POLYMERS LLC - POLYETHYLE LA0819795/AIRS DATABASE	3525 CITIES SERVICE HWY SULPHUR LA 70665	0.76 NW	N/A	8
39	AIRS	POLYMERS POWER CO POLYMERS POWER C LA1012137/AIRS DATABASE	3525 CITIES SERVICE HWY SULPHUR LA 70665	0.76 NW	N/A	9
	AIRS	HALLIBURTON ENERGY SERVICE INC - C LA0998890/AIRS DATABASE	153 WAKEFIELD ROAD CAMERON LA 70631	NON GC	N/A	9
	AIRS	GLOBAL MODULAR SOLUTIONS LLC - MAN LA1057425/AIRS DATABASE	JOE LEDOUX ROAD LAKE CHARLES LA 70605	NON GC	N/A	10
	AIRS	PPG INDUSTRIES LA0811449/AIRS DATABASE	1300 PPG DR LK CHARLE LA 70601	NON GC	N/A	10
	AIRS	HALLIBURTON ENERGY SERVICE LA0896912/AIRS DATABASE	250 DAVIS ROAD CAMERON LA 70631	NON GC	N/A	11

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

TOTAL: 299 **GEOCODED:** 197 **NON GEOCODED:** 102 **SELECTED:** 299

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	AIRS	PORT AGGREGATES INC - ELLENDER YAR LA1037511/AIRS DATABASE	7925 INTRACOASTAL PKWY SULPHUR LA 70665	NON GC	N/A	11
	AIRS	PRAXAIR INC - SULPHUR HYDROGEN MFG LA0920906/AIRS DATABASE	4451 SOUTH HIGHWAY 108 SULPHUR LA 70665	NON GC	N/A	12
	AIRS	AIR LIQUIDE AMERICA CORPORATION LA0996554/AIRS DATABASE	1093 PPG DR WESTLAKE LA 70669	NON GC	N/A	12
	AIRS	BOLLINGER CALCASIEU LLC LA0819781/AIRS DATABASE	8086 GLOBAL DR SULPHUR LA 70665	NON GC	N/A	13
	AIRS	CERTAINTEED PRODUCTS CORP LA0819744/AIRS DATABASE	3300 PETE MANENA ROAD WESTLAKE LA 70669	NON GC	N/A	13
	AIRS	CONDEA VISTA LA0811458/AIRS DATABASE	2201 OLD SPANIS TRL WESTLAKE LA 70669	NON GC	N/A	14
	AIRS	PPG INDUSTRIES INC - LAKE CHARLES LA0819727/AIRS DATABASE	1300 PPG DR LAKE CHARLES LA 70669	NON GC	N/A	14
	AIRS	PRAXAIR LA0943593/AIRS DATABASE	950 WEST INTERSTATE 10 WLAKE LA 70669	NON GC	N/A	15
	AIRS	PRAXAIR HYCO LA0819773/AIRS DATABASE	950 WEST I-10 WESTLAKE LA 70669	NON GC	N/A	15
	AIRS	TESSENDERLO KERLEY INC - HYDROGEN LA0819745/AIRS DATABASE	3200 PETE MANENA ROAD WESTLAKE LA 70669	NON GC	N/A	16
	AIRS	GLOBAL INDUSTRIES LTD LA0949666/AIRS DATABASE	8000 GLOBAL DR CARLYSS LA 70665	NON GC	N/A	16
	AIRS	RE HEIDT CONSTRUCTION LA0921981/AIRS DATABASE	BOX 577 WESTLAKE LA 70669	NON GC	N/A	17
	AIRS	BAROID CAMERON FACILITY LA0969863/AIRS DATABASE	250 DAVIS ROAD CAMERON LA 70631	NON GC	N/A	17
37	DOCKET	LA PIGMENT CO LP 06-2001-3301/ICIS	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.73 NW	N/A	18
41	DOCKET	LAKE CHARLES, CITY OF (PLANT B 06-2005-2035/ICIS	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.89 SE	N/A	19
41	DOCKET	CITY OF LAKE CHARLES WWTP PLANTS B 06-1998-0042/ICIS	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.89 SE	N/A	20
41	DOCKET	CITY OF LAKE CHARLES WWTP PLANTS B 06-1998-0588/ICIS	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.89 SE	N/A	22
41	DOCKET	CITY OF LAKE CHARLES WWTP PLANTS B 06-1992-0119/ICIS	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.89 SE	N/A	24
41	DOCKET	CITY OF LAKE CHARLES WWTP PLANTS B 06-1998-0041/ICIS	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.89 SE	N/A	25
41	DOCKET	CITY OF LAKE CHARLES WWTP PLANTS B 06-1998-0587/ICIS	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.89 SE	N/A	27

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

TOTAL: 299 **GEOCODED:** 197 **NON GEOCODED:** 102 **SELECTED:** 299

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
41	DOCKET	CITY OF LAKE CHARLES WWTP PLANTS B 06-1999-0198/ICIS	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.89 SE	N/A	29
41	DOCKET	CITY OF LAKE CHARLES WWTP PLANTS B 06-1999-0200/ICIS	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.89 SE	N/A	31
41	DOCKET	CITY OF LAKE CHARLES WWTP PLANTS B 06-1998-0037/ICIS	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.89 SE	N/A	33
	DOCKET	PPG INDUSTRIES INCORPORATED 06-2002-3316/ICIS	1300 PPG DR LAKE CHARLES LA 70601	NON GC	N/A	35
	DOCKET	PPG INDUSTRIES INCORPORATED 06-1991-0106/ICIS	1300 COLUMBIA SOUTHERN ROAD LAKE CHARLES LA 70601	NON GC	N/A	36
	DOCKET	PPG INDUSTRIES INCORPORATED 06-1985-0017/ICIS	1300 COLUMBIA SOUTHERN ROAD LAKE CHARLES LA 70601	NON GC	N/A	37
	DOCKET	PPG INDUSTRIES, INC. 06-2003-2904/ICIS	1300 PPG DR LAKE CHARLES LA 70601	NON GC	N/A	38
	DOCKET	PPG INDUSTRIES INCORPORATED 06-2003-3429/ICIS	1300 PPG DR LAKE CHARLES LA 70601	NON GC	N/A	39
	DOCKET	SASOL NORTH AMERICA INC 06-2000-1039/ICIS	2201 OLD SPANISH TRL WESTLAKE LA 70669	NON GC	N/A	42
	DOCKET	PPG INDUSTRIES INCORPORATED 06-1978-0016/ICIS	1300 COLUMBIA SOUTHERN ROAD LAKE CHARLES LA 70601	NON GC	N/A	44
	DOCKET	SULPHUR WASTEWATER PLANT CITY OF 06-1997-0586/ICIS	3400 BAYOU DINDE SULPHUR LA 70669	NON GC	N/A	45
	DOCKET	PPG INDUSTRIES INCORPORATED 06-1986-0149/ICIS	1300 COLUMBIA SOUTHERN ROAD LAKE CHARLES LA 70601	NON GC	N/A	47
	DOCKET	CERTAINTED CORPORATION 06-1988-0611/ICIS	3300 PETE MANENA ROAD WESTLAKE LA 70669	NON GC	N/A	48
	DOCKET	AIR LIQUIDE AMERICA CORPORATION 06-2000-0789/ICIS	1093 PPG DR WESTLAKE LA 70669	NON GC	N/A	50
	DOCKET	AIR LIQUIDE AMERICA CORPORATION 06-2001-0066/ICIS	1093 PPG DR WESTLAKE LA 70669	NON GC	N/A	50
	DOCKET	PPG INDUSTRIES INCORPORATED 06-1983-0017/ICIS	1300 COLUMBIA SOUTHERN ROAD LAKE CHARLES LA 70601	NON GC	N/A	51
	DOCKET	CERTAINTED CORPORATION 06-1996-0145/ICIS	3300 PETE MANENA ROAD WESTLAKE LA 70669	NON GC	N/A	53
	DOCKET	AIR LIQUIDE AMERICA CORP 06-2001-0067/ICIS	1093 PPG DR WESTLAKE LA 70669	NON GC	N/A	54
	DOCKET	SULPHUR WASTEWATER PLANT CITY OF 06-2000-0134/ICIS	3400 BAYOU DINDE SULPHUR LA 70669	NON GC	N/A	56
	DOCKET	SULPHUR WASTEWATER PLANT CITY OF 06-2000-1021/ICIS	3400 BAYOU DINDE SULPHUR LA 70669	NON GC	N/A	58

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

TOTAL: 299 **GEOCODED:** 197 **NON GEOCODED:** 102 **SELECTED:** 299

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
7	ERNS	NRC-542089/FIXED	1920 PAKTANK ROAD SULPHUR LA 70665	0.28 SW	N/A	60
10	ERNS	CALCASIEU REFINING CO. 521795/FIXED FACILITY	POD 6028 LAKE CHARLES LA 70606	0.40 NE	N/A	63
12	ERNS	WEST LAKE STYRENE 384558/MARINE VESSEL (EPA R	1820 PAK TANK VENCO CONACO SULPHUR LA 70665	0.41 SW	N/A	64
22	ERNS	NRC-527620/FIXED	3300 BAYOU D INDE WEST LAKE LA 70669	0.44 NW	N/A	65
22	ERNS	NRC-646305/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	68
22	ERNS	NRC-639848/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	71
23	ERNS	NRC-845867/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	74
23	ERNS	NRC-840168/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	77
23	ERNS	NRC-838043/FIXED	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	80
22	ERNS	NRC-782099/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA	0.44 NW	N/A	83
22	ERNS	NRC-765081/STORAGE TANK	3300 BAYOU D INDE ROAD WESTLAKE LA	0.44 NW	N/A	86
24	ERNS	NRC-594381/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	89
22	ERNS	NRC-643113/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA	0.44 NW	N/A	92
24	ERNS	CP 1 UNIT NRC-576580/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	95
22	ERNS	NRC-518094/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	98
25	ERNS	KRONOS LOUISIANA INC 251599/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	101
25	ERNS	KRONOS LOUISIANA INC 272566/FIXED FAC./AST	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	102
25	ERNS	KRONOS LOUISIANA INC 308843/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	103
24	ERNS	KRONOS LA INC. 239743/FIXED FACILITY	3300 BAYOU D IND ROAD WESTLAKE LA 70669	0.44 NW	N/A	104
22	ERNS	NRC-720594/FIXED	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	105

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

TOTAL: 299 **GEOCODED:** 197 **NON GEOCODED:** 102 **SELECTED:** 299

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
22	ERNS	NRC-594804/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	108
22	ERNS	NRC-755699/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA	0.44 NW	N/A	111
24	ERNS	LOUISIANA PIGMENT 640346/FIXED FACILITY	3300 BAYOU DEN ROAD WESTLAKE LA 70669	0.44 NW	N/A	114
22	ERNS	NRC-569052/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	115
24	ERNS	LOUISIANA PIGMENT CO-LP 386301/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	118
22	ERNS	LOUISIANA PIGMENT L.P. 594373/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	119
22	ERNS	LOUISIANA PIGMENT L.P. 627173/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	120
22	ERNS	LOUISIANA PIGMENT L.P. 575093/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	121
22	ERNS	LOUISIANA PIGMENT INC 480841/FIXED FACILITY	3300 BAYOU D INDE WESTLAKE LA 70669	0.44 NW	N/A	121
22	ERNS	LOUISIANA PIGMENT 628329/FIXED FACILITY	3300 BAYOU DEN ROAD WESTLAKE LA 70669	0.44 NW	N/A	122
22	ERNS	LOUISIANA PIGMENT 578889/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	123
22	ERNS	LOUISIANA PIGMENT 578890/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	123
22	ERNS	LOUISIANA PIGMENT 573800/FIXED FACILITY	3300 BAYOU DEN ROAD WESTLAKE LA 70669	0.44 NW	N/A	124
22	ERNS	LOUISIANA PIGMENT CO-LP 455678/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	124
24	ERNS	LOUISIANA PIGMENT 641647/FIXED FACILITY	3300 BAYOU DEN ROAD WESTLAKE LA 70669	0.44 NW	N/A	125
22	ERNS	LOUISIANA PIGMENT CO-LP 454110/FIXED FAC./AST	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	126
22	ERNS	LOUISIANA PIGMENT 531703/FIXED FACILITY	3300 BAYOU D INDE WESTLAKE LA 70669	0.44 NW	N/A	126
24	ERNS	LA-PIGMENT 440850/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	127
24	ERNS	LA PIGMENT INC 480842/FIXED FACILITY	3300 BAYOU D INDE WESTLAKE LA 70669	0.44 NW	N/A	128
24	ERNS	LA PIGMENT CO 400371/FIXED FACILITY	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	129

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

TOTAL: 299 **GEOCODED:** 197 **NON GEOCODED:** 102 **SELECTED:** 299

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
24	ERNS	LA PIGMENT CO 406195/FIXED FACILITY	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	130
24	ERNS	LA PIGMENT CO 419423/FIXED FACILITY	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	131
24	ERNS	LA PIGMENT CO 440714/FIXED FACILITY	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	132
22	ERNS	LA PIGMENT CO 432702/FIXED FACILITY	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	133
22	ERNS	LA PIGMENT CO 437696/FIXED FACILITY	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	133
22	ERNS	LA PIGMENT CO 518477/FIXED FACILITY	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	134
22	ERNS	LOUISIANA PIGMENT 571420/FIXED FACILITY	3300 BAYOU DEN ROAD WESTLAKE LA 70669	0.44 NW	N/A	134
22	ERNS	NRC-621524/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	135
22	ERNS	NRC-742986/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	138
22	ERNS	NRC-769806/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	141
22	ERNS	NRC-782547/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	144
22	ERNS	NRC-562361/STORAGE TANK	3300 BAYOU D INDE ROAD WESTLAKE LA	0.44 NW	N/A	147
22	ERNS	NRC-620413/PIPELINE	3300 BAYOU D INDE ROAD WESTLAKE LA	0.44 NW	N/A	150
22	ERNS	NRC-548640/FIXED	3300 BAYOU D-INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	153
22	ERNS	NRC-564579/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	156
22	ERNS	CHEMICAL PLANT NRC-591827/FIXED	3300 BAYOU D INDE ROAD WEST LAKE LA 70669	0.44 NW	N/A	159
22	ERNS	NRC-582554/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	162
22	ERNS	CHLORINE PROCESS UNIT NRC-636908/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	165
24	ERNS	LOUISIANA PIGMENT CO-LP 384525/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	168
22	ERNS	NRC-615769/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	169

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

TOTAL: 299 **GEOCODED:** 197 **NON GEOCODED:** 102 **SELECTED:** 299

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
22	ERNS	NRC-728116/PIPELINE	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	172
22	ERNS	NRC-637188/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	175
22	ERNS	THE INCIDENT TOOK PLACE IN VARIOUS NRC-538834/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	178
22	ERNS	PIGMENT FACTORY (TITANIUM DIOXIDE NRC-599229/STORAGE TANK	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	181
24	ERNS	LOUSIANA PIGMENT CO-LP 395129/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	184
24	ERNS	LOUSIANA PIGMENT CO-LP 423279/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	185
24	ERNS	LOUSIANA PIGMENT CO-LP 442004/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	186
24	ERNS	LOUSIANA PIGMENT CO-LP 442054/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	187
24	ERNS	LOUSIANA PIGMENT CO-LP 443050/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	188
24	ERNS	LOUSIANA PIGMENT CO-LP 449700/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	189
22	ERNS	LOUSIANA PIGMENT CO-LP 445525/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	190
22	ERNS	NRC-611527/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	191
22	ERNS	LA PIGMENT CO 550276/PIPELINE RELATED	3300 BAYOU DINDE UNIT CP1 R WESTLAKE LA 70669	0.44 NW	N/A	194
34	ERNS	414A1 CHLORINE SCRUBBER NRC-592967/FIXED	3300 BAYOU DEN ROAD WEST LAKE LA 70669	0.71 NW	N/A	195
34	ERNS	NRC-720649/FIXED	3300 BAYOU DEN ROAD WEST LAKE LA	0.71 NW	N/A	198
35	ERNS	LOUISIANA PIGMENT CO. 405953/FIXED FACILITY	3300 BAYOU D INDE CP UNIT R WESTLAKE LA 70669	0.72 NW	N/A	201
35	ERNS	LOUSIANA PIGMENT CO-LP 364869/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.72 NW	N/A	201
35	ERNS	LA PIGMENT CO 394989/FIXED FACILITY	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.72 NW	N/A	202
35	ERNS	LA PIGMENT CO 387085/FIXED FACILITY	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.72 NW	N/A	202
35	ERNS	LOUISIANA PIGMENT CO-LP 395034/FIXED FACILITY	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.72 NW	N/A	203

Environmental FirstSearch Sites Summary Report

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HACKBERRY LA 70645

JOB: ES53177

TOTAL: 299 **GEOCODED:** 197 **NON GEOCODED:** 102 **SELECTED:** 299

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
38	ERNS	NRC-648585/FIXED	3300 BAYOU D IND ROAD WEST LAKE LA 70669	0.73 NW	N/A	204
38	ERNS	NRC-599191/STORAGE TANK	3300 BAYOU D IND ROAD WEST LAKE LA 70669	0.73 NW	N/A	207
36	ERNS	3300 BAYOU D IND RD NRC-858743/FIXED	3300 BAYOU D IND ROAD WEST LAKE LA	0.73 NW	N/A	210
37	ERNS	R149-3X NRC-796568/FIXED	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.73 NW	N/A	211
46	ERNS	FIRESTONE SYNTHETIC RUBBR 428714/FIXED FACILITY	1801 EAST HWY 108 SULPHUR LA 70602	0.96 NW	N/A	214
45	ERNS	FIRESTONE SYNTHETIC RUBBR 492784/FIXED FACILITY	1801 HIGHWAY 108 SULPHUR LA 70663	0.96 NW	N/A	215
45	ERNS	FIRESTONE 606014/FIXED FACILITY	1801 EAST HIGHWAY 108 SULPHUR LA 70602	0.96 NW	N/A	216
45	ERNS	FIRESTONE RUBBER and LATEX 605268/FIXED FACILITY	1801 EAST HIGHWAY 108 SULPHUR LA 70663	0.96 NW	N/A	217
46	ERNS	FIRESTONE 589733/FIXED FACILITY	1801 EAST HWY 108 SULPHUR LA	0.96 NW	N/A	218
46	ERNS	FIRESTONE 610340/FIXED FACILITY	1801 EAST HWY 108 SULPHUR LA 70602	0.96 NW	N/A	219
46	ERNS	FIRESTONE 632423/FIXED FACILITY	1801 EAST HWY 108 SULFUR LA 70602	0.96 NW	N/A	220
45	ERNS	FIRESTONE 635626/FIXED FACILITY	1801 EAST HIGHWAY 108 SULPHUR LA 70602	0.96 NW	N/A	221
	ERNS	NRC-853261/FIXED	1300 PPG DR WESTLAKE LA 70669	NON GC	N/A	222
	ERNS	CHEMICAL PLANT NRC-837126/FIXED	1300 PPG DR LAKE CHARLES LA 70601	NON GC	N/A	225
	ERNS	MAIN FACILITY NRC-845503/FIXED	1300 PPG DR LAKE CHARLES LA 70601	NON GC	N/A	228
	ERNS	PPG INDUSTRIES 294106/FIXED FACILITY	COLUMBIA SOUTHERN ROAD LAKE CHARLES LA 70601	NON GC	N/A	231
	ERNS	PPG INDUSTRIES 501338/FIXED FACILITY	1300 WEST COLUMBIA SOUTHER WEST LAKE LA 70601	NON GC	N/A	232
	ERNS	PPG INDUSTRIES 349896/FIXED FACILITY	UNKNOWN LAKE CHARLES LA 70601	NON GC	N/A	233
	ERNS	NRC-829618/FIXED	1300 PPG DR LAKE CHARLES LA 70601	NON GC	N/A	234
	ERNS	NRC-841716/FIXED	1300 PPG DR LAKE CHARLES LA 70601	NON GC	N/A	237

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

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Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	ERNS	NRC-830534/FIXED	1300 PPG DR LAKE CHARLES LA 70601	NON GC	N/A	240
	ERNS	CHEMICAL INDUSTRY FACILITY NRC-847071/PIPELINE	1300 PPG DR WEST LAKE LA 70669	NON GC	N/A	243
	ERNS	MONTELL USA INC 604365/FIXED FACILITY	4101 HWY 108 WESTLAKE LA 70669	NON GC	N/A	246
	ERNS	N/A NRC-847515/FIXED	1300 PPG DR WEST LAKE LA 70669	NON GC	N/A	247
	ERNS	R E HEIDT CONSTRUCTION 337104/FIXED FACILITY	PARKING LOT OF PARISH POLIC LAKE CHARLES LA 70669	NON GC	N/A	250
	ERNS	PPG INDUSTRIES 349892/FIXED FACILITY	UNKNOWN LAKE CHARLES LA 70601	NON GC	N/A	251
	ERNS	NRC-851023/FIXED	1300 PPG DR WEST LAKE LA 70669	NON GC	N/A	252
	ERNS	PPG 269409/PIPELINE RELATED	COLUMBIA SOUTHER ROAD WEST LAKE LA 70669	NON GC	N/A	255
	ERNS	NRC-825844/STORAGE TANK	1300 PPG DR LAKE CHARLES LA 70601	NON GC	N/A	256
2	FINDS	HOLNAM INC LA0002211589	380 IDEAL ROAD WESTLAKE LA 70669	0.23 NE	N/A	259
2	FINDS	HOLCIM INC 110001270963/FRS	380 IDEAL ROAD WESTLAKE LA 70669	0.23 NE	N/A	260
4	FINDS	RE HEIDT CONST CO INC 110003363930/FRS	107 MILLER AVE WESTLAKE LA 70669	0.27 SW	N/A	262
6	FINDS	VENCO LAKE CHARLES CALCINING PLT LAD093576254	1920 PAKTANK STE ROAD CARLYSS LA 70663	0.28 SW	N/A	264
6	FINDS	VENCO LAKE CHARLES CALCINING PLANT 110003280869/FRS	1920 PAKTANK SUITE ROAD CARLYSS LA 70663	0.28 SW	N/A	265
8	FINDS	CII CARBON LLC - LAKE CHARLES CALC 110022410185/FRS	1920 PAK TANK ROAD SULPHUR LA 70665	0.29 SW	N/A	267
8	FINDS	CII CARBON LLC LAKE CHARLES CALCIN 110015679853/FRS	1920 PAK TANK ROAD SULPHUR LA 70665	0.29 SW	N/A	269
9	FINDS	HALLIBURTON ENERGY SVCS 110003277123/FRS	3500 BAYOU DINDE ROAD WESTLAKE LA 70669	0.37 NW	N/A	271
11	FINDS	CALCASIEU REFINING CO LAD099393225	TANK FARM ROAD LAKE CHARLES LA 70606	0.40 NE	N/A	273
12	FINDS	WESTLAKE STYRENE LP - MARINE TERMI 110007016102/FRS	1820 PAK TANK ROAD SULPHUR LA 70665	0.41 SW	N/A	274
12	FINDS	WESTLAKE STYRENE CORPORATION MARIN 110002347540/FRS	1820 PAK TANK ROAD SULPHUR LA 70663	0.41 SW	N/A	276

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

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Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
16	FINDS	SULPHUR WASTEWATER PLANT CITY OF 110003259651/FRS	3400 BAYOU DINDE WESTLAKE LA 70669	0.42 NW	N/A	278
15	FINDS	GEO SPECIALTY CHEMICALS 110003342446/FRS	3393 BAYOU DINDE ROAD WESTLAKE LA 70669	0.42 NW	N/A	280
17	FINDS	M-I DRILLING/WESTLAKE 110007015452/FRS	210 MIKE HOOKS ROAD WESTLAKE LA 70669	0.42 SW	N/A	282
17	FINDS	R E HEIDT CONST CO LAD008435158	210 MIKE HOOKS ROAD WESTLAKE LA 70669	0.42 SW	N/A	284
17	FINDS	DUNHAM-PRICE LLC MIKE HOOKS ROAD 110003264814/FRS	210 MIKE HOOKS ROAD WESTLAKE LA 70669	0.42 SW	N/A	285
18	FINDS	WESTLAKE STYRENE CORP MARINE TERM LAD985221951	1820 PAKTANK ROAD SULPHUR LA 70663	0.42 SW	N/A	287
20	FINDS	M-I DRILLING GRINDG PLT LA0002211571	210 MIKE HOOK ROAD WESTLAKE LA 70669	0.43 SW	N/A	287
24	FINDS	LA PIGMENT CO LP 110003317615/FRS	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	288
24	FINDS	LOUISIANA PIGMENT CO LP LAD985185149	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	291
26	FINDS	HALLIBURTON ENERGY SERVICES - LAKE 110007305727/FRS	3500 BAYOU D INDE ROAD WESTLAKE LA 70669	0.48 NW	N/A	292
31	FINDS	SULPHUR REGIONAL WWTF 110022459427/FRS	3400 BAYOU D INDE ROAD SULPHUR LA 70663	0.61 NW	N/A	294
32	FINDS	GEO SPECIALTY CHEMICALS INC WESTLA 110007316797/FRS	3393 BAYOU D INDE ROAD WESTLAKE LA 70669	0.63 NW	N/A	295
32	FINDS	GEOSPECIALTY CHEMICALS,INC. 110012671108/FRS	3393 BAYOU D INDE ROAD WESTLAKE LA 70669	0.63 NW	N/A	297
33	FINDS	MONTELL USA INC LA0001553932	4101 HIGHWAY 108 WESTLAKE LA 70669	0.71 NW	N/A	298
40	FINDS	DEVAL ENTERPRISES INC 110006018291/FRS	8401 HIGHWAY 27 SULPHUR LA 70663	0.81 NW	N/A	299
41	FINDS	CITY OF LAKE CHARLES WWTP PLANTS B 110000758396/FRS	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.89 SE	N/A	301
42	FINDS	LAKE CHARLES WASTE WATER DIV CITY LAD980797385	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.90 SE	N/A	303
44	FINDS	COLONIAL PIPELINE CO LAD096603865	2053 CLIFTON RIDGE ROAD SULPHUR LA 70663	0.91 NW	N/A	303
44	FINDS	COLONIAL PIPELINE - LAKE CHARLES 110000846595/FRS	2053 CLIFTON RIDGE ROAD SULPHUR LA 70663	0.91 NW	N/A	304
45	FINDS	FIRESTONE SYNTHETIC RUBBER and LAT LAD008073439	SOUTH HIGHWAY 108 ROSE BLUF SULPHUR LA 70745	0.96 NW	N/A	305

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

TOTAL: 299 **GEOCODED:** 197 **NON GEOCODED:** 102 **SELECTED:** 299

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
45	FINDS	FIRESTONE SYNTHETIC RUBBER and LAT 110000597257/FRS	1801 EAST HIGHWAY 108 SULPHUR LA 70663	0.96 NW	N/A	306
	FINDS	TRUNKLINE LNG COMPANY, LLC 110009924859/FRS	384 and LINCOLN LANE LAKE CHARLES LA 70601	NON GC	N/A	309
	FINDS	ALCOA SPECIALTY CHEM LAD982296063	PORT OF LAKE CHARLES LAKE CHARLES LA 70601	NON GC	N/A	310
	FINDS	CONOCO PPG CO STA LAD982296667	PETE MANENA ROAD LAKE CHARLES LA 70601	NON GC	N/A	310
	FINDS	LOUISIANA PIGMENT CO 110013728573/FRS	SOUTH OF HIGHWAY 1134 NEAR LAKE CHARLES LA 70601	NON GC	N/A	311
	FINDS	HALLIBURTON ENERGY SERVICE INC - C 110007392589/FRS	153 WAKEFIELD ROAD CAMERON LA 70631	NON GC	N/A	313
	FINDS	PRAXAIR LA0002245157	SOUTH 108 OF I10 LANE LAKE CHARLES LA 70601	NON GC	N/A	315
	FINDS	GLOBAL POLLUTION SVCS INC. 110029516824/FRS	NORTH OF THE TOWN OF CAMERO CAMERON LA 70631	NON GC	N/A	316
	FINDS	PRAXAIR SULPHUR FAC 110010403517/FRS	1 SOUTH M I10 ON HWY LAKE CHARLES LA 70601	NON GC	N/A	317
	FINDS	TRUNKLINE LNG LAD982296360	BIG LAKE HIGHWAY 384 ROAD LAKE CHARLES LA 70601	NON GC	N/A	319
	FINDS	POLYMERS COGENERATIO CO 110013392845/FRS	3525 CITIES SVCS HWY SULPHUR LA 70665	NON GC	N/A	320
	FINDS	WESTLAKE POLYMERS CORP LAKE CHARLE LAD150414258	HIGHWAY 108 NEAR LAKE CHARL LAKE CHARLES LA 70601	NON GC	N/A	322
	FINDS	WESTLAKE STYRENE LAKE CHARLES LA0002245132	HIGHWAY 1133 LANE LAKE CHARLES LA 70601	NON GC	N/A	322
	FINDS	CALCASIEU REFINING CO - HAYMARK TE 110029512560/FRS	HAYMARK TERMINAL GUY BAYO LAKE CHARLES LA 70605	NON GC	N/A	323
	FINDS	PORT AGGREGATES INC - ELLENDER YAR 110024416595/FRS	7925 INTRACOASTAL PKWY SULPHUR LA 70665	NON GC	N/A	324
	FINDS	CAMERON PARISH SEWER DIST 1 110009057643/FRS	JETTY ROAD-LAT 29 47 10N CAMERON PARISH LA 70631	NON GC	N/A	326
	FINDS	GLOBAL POLLUTION SVCS INC. 110029516717/FRS	SOUTH IN CENTRAL CAMERON LA 70631	NON GC	N/A	327
	FINDS	QUEST/REYNOLDS METAL 110001945646/FRS	1 FAC/HWY 384 5M LAKE CHARLES LA 70601	NON GC	N/A	328
	FINDS	R E HEIDT CONSTRUCTION CO - ASPHAL 110029511801/FRS	425 SOUTH FT OF VAUGHN and WESTLAKE LA 70669	NON GC	N/A	330
	FINDS	WESTLAKE STYRENE CORP LAD985217520	6 SOUTH MI OF I-10 WESTLAKE LA 70669	NON GC	N/A	331

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

TOTAL: 299 **GEOCODED:** 197 **NON GEOCODED:** 102 **SELECTED:** 299

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	FINDS	PPG INDUSTRIES 110029249249/FRS	1300 COLUMBIA SOUTHE ROAD WESTLAKE LA 70669	NON GC	N/A	332
	FINDS	RE HEIDT CONST CO INC 110003313218/FRS	SOUTH IDEAL CEMENT .5M I10 WESTLAKE LA 70669	NON GC	N/A	333
	FINDS	DEVALL TOWING and BOAT SVC LAD008435802	NORTH DEVAL 5M OF HWY ROAD HACKBERRY LA 70645	NON GC	N/A	335
	FINDS	R E HEIDT CONSTRUCTI 110014466336/FRS	WESTLK/210 MIKE HOOK WESTLAKE LA 70669	NON GC	N/A	336
	FINDS	R E HEIDT CONST CO INC LAD985170703	SOUTH IDEAL CEMENT .5 ROAD WESTLAKE LA 70669	NON GC	N/A	338
	FINDS	PRAXAIR INCORPORATED 110008387487/FRS	950 WEST INTERSTATE 10 WESTLAKE LA 70669	NON GC	N/A	339
	FINDS	HEIDT HOTMIX ASPHALT FAC NR 6 110011186153/FRS	UNKNOWN LA 70669	NON GC	N/A	341
	FINDS	HALLIBURTON ENERGY SERVICES - LAKE 110029513747/FRS	CORNER MALLARD HWY JCT WESTLAKE LA 70669	NON GC	N/A	342
	FINDS	ASPHALT PLANT 110014393030/FRS	300 IDEAL PLANT ROAD WESTLAKE LA 70669	NON GC	N/A	343
	FINDS	AIR LIQUIDE AMERICA LP 110027253610/FRS	WESTLAKE FILL PLANT WESTLAKE LA 70669	NON GC	N/A	344
	FINDS	DEVALL TOWING and BOAT SERVICE 110008379986/FRS	NORTH DEVAL .5M OF HWY ROA HACKBERRY LA 70645	NON GC	N/A	345
24	HMIRS	D S I TRANSPORTS 1995040635/HIGHWAY (FOR HIRE)	3300 BAYOU DINDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	346
29	HMIRS	D S I TRANSPORTS 1998081329/HIGHWAY (FOR HIRE)	1800 DAVIDSON ROAD SULPHUR LA 70665	0.59 NW	N/A	349
24	NCDB	LOUISIANA PIGMENT CO LP NCDB-0801-045385/TSCA	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	352
45	NCDB	FIRESTONE POLYMERS NCDB-0801-045489/EPCRA	1801 EAST HIGHWAY 108 SULPHUR LA 70663	0.96 NW	N/A	354
24	NPDES	LOUISIANA PIGMENT COMPANY, LP TITA LA0080829/MAJOR	3300 BAYOU D INDE ROAD CALCASIEU LA 70669	0.44 NW	N/A	355
43	NPDES	LAKE CHARLES CITY O-WWTP B) LA0036358/MAJOR	1132 WEST W. 18TH ST LAKE CHARLES LA 70601	0.90 SE	N/A	356
43	NPDES	LAKE CHARLES, CITY OF WWTP BandC) LA0036366/MAJOR	1132 WEST W. 18TH ST LAKE CHARLES LA 70601	0.90 SE	N/A	357
	NPDES	TRUCKLINE LNG COMPANY, LLC - LAKE LA0055522/MINOR	384 and LINCOLN LANE LAKE CHARLES LA 70601	NON GC	N/A	358
	NPDES	CITY OF LAKE CHARLES WASTEWATER DI LAR10C795/MINOR	UNKNOWN LAKE CHARLES-M LA 70601	NON GC	N/A	359

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

TOTAL: 299 **GEOCODED:** 197 **NON GEOCODED:** 102 **SELECTED:** 299

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	NPDES	WESTLAKE STYRENE LLC-LAKE CHAR LES LA0089362/MINOR	HWY. 1133 LANE LAKE CHARLES LA 70601	NON GC	N/A	360
	NPDES	CALHOUN HOLDINGS, LP CHARDELE MOBI LA0110515/MINOR	UNKNOWN LAKE CHARLES LA 70601	NON GC	N/A	361
	NPDES	CITY OF LAKE CHARLES WASTEWATER DI LAR10C796/MINOR	UNKNOWN LAKE CHARLES-M LA 70601	NON GC	N/A	362
	NPDES	HOLNAM INC - LAKE CHARLES A LA0003956/MINOR	SOUTH OF I-10 ON CALCASIEU LAKE CHARLES LA 70601	NON GC	N/A	363
	NPDES	PPG INDUSTRIES INC - LAKE CHARLES LAR10C834/MINOR	LAKE CHARLES COMPLEX 1300 P LAKE CHARLES-M LA 70601	NON GC	N/A	364
	NPDES	WESTLAKE POLYMERS LLC POLY I and I LA0071382/MAJOR	3525 CITIES SERVICE HWY LAKE CHARLES LA 70601	NON GC	N/A	365
	NPDES	LAR05M714/MINOR	8086 GLOBAL 8086 GLOBAL DR PORT SULPHUR LA 70665	NON GC	N/A	366
	NPDES	AIR LIQUIDE AMERICA LP WESTLAKE FI LAG480589/MINOR	WESTLAKE FILL PLANT 1091-A WESTLAKE LA 70669	NON GC	N/A	367
	NPDES	TETRA TECHNOLOGIES - WESTLAKE WEST LA0065161/MINOR	COLUMBIA SOUTHERN ROAD WESTLAKE LA 70669	NON GC	N/A	368
1	RCRAGN	PRAXAIR WESTLAKE LA LAR000039032/SGN	950 WEST I-10 WESTLAKE LA 70669	0.18 SW	N/A	369
1	RCRAGN	PRAXAIR INC LAD981593262/SGN	110 SVC WESTLAKE EXIT ROA WESTLAKE LA 70669	0.18 SW	N/A	371
2	RCRAGN	HOLCIM INC LAR000018192/VGN	380 IDEAL ROAD WESTLAKE LA 70669	0.23 NE	N/A	372
4	RCRAGN	RE HEIDT CONST CO INC LAR000033092/VGN	107 MILLER AVE WESTLAKE LA 70669	0.27 SW	N/A	373
6	RCRAGN	RAIN CII CARBON LLC LAD093576254/VGN	1920 PAKTANK STE ROAD CARLYSS LA 70665	0.28 SW	N/A	374
9	RCRAGN	HALLIBURTON ENERGY SVCS LAD068057140/VGN	3500 BAYOU DINDE ROAD WESTLAKE LA 70669	0.37 NW	N/A	376
11	RCRAGN	CALCASIEU REFINING COMPANY LAD099393225/LGN	WEST TANK FARM END ROAD LAKE CHARLES LA 70606	0.40 NE	N/A	378
12	RCRAGN	WESTLAKE STYRENE, LP-MARINE TERMIN LAD985221951/LGN	1820 PAK TANK ROAD SULPHUR LA 70665	0.41 SW	N/A	381
16	RCRAGN	SULPHUR WASTEWATER PLANT CITY OF LA0000205070/VGN	3400 BAYOU DINDE WESTLAKE LA 70669	0.42 NW	N/A	384
15	RCRAGN	GEO SPECIALTY CHEMICALS LAD985224690/VGN	3393 BAYOU DINDE ROAD WESTLAKE LA 70669	0.42 NW	N/A	385
17	RCRAGN	MAINTENANCE SHOP LLC LA0001014588/VGN	210 MIKE HOOKS ROAD WESTLAKE LA 70669	0.42 SW	N/A	386

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
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Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
24	RCRAGN	LOUISIANA PIGMENT COMPANY, L.P. LAD985185149/LGN	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	388
40	RCRAGN	DEVAL ENTERPRISES INC LA0000438945/VGN	8401 HIGHWAY 27 SULPHUR LA 70663	0.81 NW	N/A	391
42	RCRAGN	LAKE CHARLES WASTE WATER DIV CITY LAD980797385/VGN	1132 WEST 18TH ST LAKE CHARLES LA 70601	0.90 SE	N/A	392
44	RCRAGN	COLONIAL PIPELINE LAKE CHARLES LAD096603865/SGN	2053 CLIFTON RIDGE ROAD SULPHUR LA 70663	0.91 NW	N/A	393
45	RCRAGN	FIRESTONE POLYMERS, LLC LAD008073439/LGN	1801 EAST HIGHWAY 108 SULPHUR LA 70663	0.96 NW	N/A	394
	RCRAGN	HALLIBURTON ENERGY SERVICES INC LAR000062414/SGN	153 WAKEFIELD ROAD CAMERON LA 70631	NON GC	N/A	398
	RCRAGN	DEVAL TOWING and BOAT SERVICE LAD008435802/TRANSPORTER	NORTH DEVAL .5M OF HWY ROA HACKBERRY LA 70645	NON GC	N/A	399
	RCRAGN	L AUBERGE DU LAC LAR000064071/VGN	777 L AUBERGE AVE LAKE CHARLES LA 70601	NON GC	N/A	400
	RCRAGN	RE HEIDT CONST CO INC LAD985170703/USED OIL	SOUTH IDEAL CEMENT .5M I10 WESTLAKE LA 70669	NON GC	N/A	401
1	RCRANLR	PRAXAIR INC LAD981593262/NLR	I10 SVC WESTLAKE EXIT ROA WESTLAKE LA 70669	0.18 SW	N/A	403
15	RCRANLR	GEO SPECIALTY CHEMICALS LAD985224690/NLR	3393 BAYOU DINDE ROAD WESTLAKE LA 70669	0.42 NW	N/A	404
44	RCRANLR	COLONIAL PIPELINE - LAKE CHARLES LAD096603865/NLR	2053 CLIFTON RIDGE ROAD SULPHUR LA 70663	0.91 NW	N/A	405
	RCRANLR	RE HEIDT CONST CO INC LAD985170703/NLR	SOUTH IDEAL CEMENT .5M I10 WESTLAKE LA 70669	NON GC	N/A	407
6	RELEASES	NRC-544845/MOBILE	1920 PAKTANK ROAD SULPHUR LA 70665	0.28 SW	N/A	409
10	RELEASES	CALCASIEU REFINERY NRC-521314/VESSEL	UNKNOWN LAKE CHARLES LA 70605	0.40 NE	N/A	412
11	RELEASES	CALCASIEU REFINING CO. 189503/MARINE- RELEASED FRO	WEST POD 6028 TANK FARM END LAKE CHARLES LA 70605	0.40 NE	N/A	415
14	RELEASES	ALCOA SPECIALTY CHEMICALS 516664/UNKNOWN (EPA REGIONS)	3393 BAYOU D-INDE ROAD WESTLAKE LA 70669	0.41 NW	N/A	416
24	RELEASES	NRC-784678/VESSEL	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	417
24	RELEASES	NRC-760255/CONTINUOUS	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	420
45	RELEASES	FIRESTONE SYNTHETIC RUBBR 519745/UNKNOWN (EPA REGIONS)	1801 HIGHWAY 108 SULPHUR LA 70602	0.96 NW	N/A	423

Environmental FirstSearch Sites Summary Report

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

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Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	RELEASES	HOUSTON MARINE SERVICES 450129/MARINE- RELEASED FRO	7925 INTRACOASTAL PARK ROAD HACKBERRY LA 70645	NON GC	N/A	424
	RELEASES	UNKNOWN SHEEN INCIDENT NRC-531212/UNKNOWN SHEEN	1300 PPG AT THE A DOCK DR LAKE CHARLES LA 70601	NON GC	N/A	425
	RELEASES	NRC-840858/VESSEL	8000 GLOBAL DR CARLYFF LA 70665	NON GC	N/A	428
	RELEASES	NRC-568702/VESSEL	8000 GLOBAL GLOBAL DOCK DR SULPHUR LA 70665	NON GC	N/A	431
8	TRIS	RAIN CII CARBON LLC LAKE CHARLES C 70665VNTRC1920P/OPEN	1920 PAK TANK ROAD SULPHUR LA 70665	0.29 SW	N/A	434
11	TRIS	CALCASIEU REFINING CO. LAD099393225/OPEN	4359 WEST W. TANK FARM ROAD LAKE CHARLES LA 70605	0.40 NE	N/A	437
11	TRIS	CALCASIEU REFINING CO 70606CLCSRWESTE/OPEN	4359 WEST W. TANK FARM ROAD LAKE CHARLES LA 70605	0.40 NE	N/A	438
12	TRIS	WESTLAKE STYRENE LP MARINE TERMINA 70665WSTLK1820P/OPEN	1820 PAK TANK ROAD SULPHUR LA 70665	0.41 SW	N/A	445
24	TRIS	LOUISIANA PIGMENT CO. L.P. LAD985185149/OPEN	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	447
24	TRIS	LOUISIANA PIGMENT CO LP 70669KRNSL3300B/OPEN	3300 BAYOU D INDE ROAD WESTLAKE LA 70669	0.44 NW	N/A	448
45	TRIS	FIRESTONE POLYMERS LLC 70602FRSTNLA108/OPEN	EAST HWY. 108 LANE SULPHUR LA 70663	0.96 NW	N/A	454
45	TRIS	FIRESTONE SYNTHETIC RUBBER LAD008073439/OPEN	EAST HWY. 108 LANE SULPHUR LA 70663	0.96 NW	N/A	463
5	UST	MANAGAN BUILDING MATERIALS INC 67354	107 MILLER AVE WESTLAKE LA 70669	0.27 SW	N/A	464
19	UST	DUNHAM-PRICE LLC MIKE HOOKS ROAD 1257	210 MIKE HOOKS ROAD WESTLAKE LA 70602	0.42 SW	N/A	465
27	UST	HALLIBURTON ENERGY SERVICES - LAKE 2792	3500 BAYOU D INDE ROAD WESTLAKE LA 70669	0.48 NW	N/A	466
33	UST	BASELL USA INC - WESTLAKE FACILITY 1253	4101 HWY 108 WESTLAKE LA 70669	0.71 NW	N/A	467
43	UST	LAKE CHARLES CITY OF - WASTEWATER 10-002150	1132 WEST W. 18TH ST LAKE CHARLES LA 70602	0.90 SE	N/A	468
	UST	HALLIBURTON ENERGY SERVICES - LAKE 10-013651	CORNER MALLARD % HWY JCT LAKE CHARLES LA 70601	NON GC	N/A	470

Environmental FirstSearch Descriptions

NPL: EPA NATIONAL PRIORITY LIST - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.

A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

FINAL - Currently on the Final NPL

PROPOSED - Proposed for NPL

NPL DELISTED: EPA NATIONAL PRIORITY LIST Subset - Database of delisted NPL sites. 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.

DELISTED - Deleted from the Final NPL

CERCLIS: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

PART OF NPL- Site is part of NPL site

DELETED - Deleted from the Final NPL

FINAL - Currently on the Final NPL

NOT PROPOSED - Not on the NPL

NOT VALID - Not Valid Site or Incident

PROPOSED - Proposed for NPL

REMOVED - Removed from Proposed NPL

SCAN PLAN - Pre-proposal Site

WITHDRAWN - Withdrawn

NFRAP: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). 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.

NFRAP – No Further Remedial Action Plan

P - Site is part of NPL site

D - Deleted from the Final NPL

F - Currently on the Final NPL

N - Not on the NPL

O - Not Valid Site or Incident

P - Proposed for NPL

R - Removed from Proposed NPL

S - Pre-proposal Site

W – Withdrawn

RCRA COR ACT: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

RCRAInfo facilities that have reported violations and subject to corrective actions.

RCRA TSD: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that treat, store, dispose, or incinerate hazardous waste.

RCRA GEN: EPA/MA DEP/CT DEP RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN – Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

CONNECTICUT HAZARDOUS WASTE MANIFEST – Database of all shipments of hazardous waste within, into or from Connecticut. The data includes date of shipment, transporter and TSD info, and material shipped and quantity. This data is appended to the details of existing generator records.

MASSACHUSETTES HAZARDOUS WASTE GENERATOR – database of generators that are regulated under the MA DEP.

VQN-MA = generates less than 220 pounds or 27 gallons per month of hazardous waste or waste oil.

SQN-MA = generates 220 to 2,200 pounds or 27 to 270 gallons per month of waste oil.

LQG-MA = generates greater than 2,200 lbs of hazardous waste or waste oil per month.

RCRA NLR: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities not currently classified by the EPA but are still included in the RCRAInfo database. Reasons for non classification:

Failure to report in a timely matter.

No longer in business.

No longer in business at the listed address.

No longer generating hazardous waste materials in quantities which require reporting.

Federal IC / EC: EPA BROWNFIELD MANAGEMENT SYSTEM (BMS) - database designed to assist EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant Programs.

FEDERAL ENGINEERING AND INSTITUTIONAL CONTROLS- Superfund sites that have either an engineering or an institutional control. The data includes the control and the media contaminated.

ERNS: EPA/NRC EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System

database as the EPA no longer maintains this data.

Tribal Lands: DOI/BIA INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.
BUREAU OF INDIAN AFFIARS CONTACT - Regional contact information for the Bureau of Indian Affairs offices.

State/Tribal Sites: LADEQ listing of Inactive or Abandoned sites. These are sites that are either potential, confirmed or NFA state cleanup sites.

State/Tribal SWL: LADEQ listing of various solid waste facilities including open, closed, & permitted landfills, dumps, pesticide sites, and transfer stations

State/Tribal LUST: LADEQ Listing of all known leaking underground storage tanks

State/Tribal UST/AST: LADEQ Listing of all known underground storage tanks

State/Tribal EC: LADEQ See Institutional Controls database

State/Tribal IC: LADEQ Listing of all sites in the Voluntary Remediation Program (VRP) that are noted as having institutional controls placed on them.

State/Tribal VCP: LADEQ Listing of all sites in the Voluntary Remediation Program (VRP). Some VRP sites are noted as having institutional controls placed on them.

State/Tribal Brownfields: LADEQ BROWNFIELDS - Targeted Brownfields Assessment (TBA) Services are offered by The Louisiana Department Environment Quality (LADEQ) Voluntary Remediation Program (VRP). According to Roger Gingles of the LADEQ, LADEQ does not keep a list at the state level of Brownfield sites. For more information contact Mr. Gingles with the LADEQ at (225) 219-3236.

Receptors: US DOC SENSITIVE RECEPTORS - 2005 Census Bureau's TIGER (Topologically Integrated Geographic Encoding and Referencing System) database of schools and hospitals. List of schools and hospitals that may house individuals deemed sensitive to environmental discharges due to their fragile immune systems.

NPDES: EPA THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM - Database of permitted facilities receiving and discharging effluents to and from a natural source where treatment of the effluent is monitored.

FINDS: EPA FACILITY INDEX SYSTEM(FINDS)/FACILITY REGISTRY SYSTEM(FRS) - The index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility. A Facility Registry System site has an FRS in the status field.

TRIS: EPA TOXIC RELEASE INVENTORY SYSTEM (TRIS)- Database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

HMIRS: US DOT HAZARDOUS MATERIALS INCIDENT RESPONSE SYSTEM - Database of information regarding materials, packaging, and a description of events for tracked incidents.

NCDB: EPA NATIONAL COMPLIANCE DATA BASE SYSTEM - Database of regional compliance and enforcement activity and manages the Pesticides and Toxic Substances Compliance and Enforcement program at a national level. The system tracks all compliance monitoring and enforcement activities from the time an inspector conducts and inspection until the time the inspector closes or the case settles the enforcement action. NCDB is the national repository of the 10 regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national

performance of regional programs.

PADS: *EPA* DATABASE OF PCB HANDLERS - Database of PolyChlorinatedBiPhenol generators, transporters, storers and/or disposers that are required to register with the EPA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.

AIRS: *EPA* AEROMETRIC INFORMATION RETRIEVAL SYSTEM (AIRS) – database of detailed information pertaining to sites which submit air emissions reports. Developed under the Clean Air Act, this database also maintains data on compliance status and enforcement actions.

RADON: *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

DOCKET: *EPA* INTERGRATED COMPLIANCE INFORMATION SYSTEM (ICIS) - database of federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act (CAA), the Clean Water Act (CWA), the Resource Conservation and Recovery Act (RCRA), the Emergency Planning and Community Right-to-Know Act (EPCRA) Section 313, the Toxic Substances Control Act (TSCA), the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund), the Safe Drinking Water Act (SDWA), and the Marine Protection, Research, and Sanctuaries Act (MPRSA).

Nuclear Permits: *EPA/NRC* PERMITTED NUCLEAR FACILITIES - This database is a comprehensive listing of all facilities which have been issued permits for the handling of radioactive materials, in addition it also contains a complete listing of all licensed and active nuclear power plants located within the United States. THE RADINFO DATABASE - Database of basic information about facilities that are permitted and regulated for their use and handling of radioactive materials.

Federal Other: *EPA* SECTION SEVEN TRACKING SYSTEM (SSTS) – database of registration and production data for facilities which manufacture pesticides.

VAPOR INTRUSION DATABASE – database that records the migration of volatile chemicals from the subsurface into overlying buildings. Volatile chemicals in contaminated soil or groundwater can emit vapors that may migrate through soil and into indoor air spaces.

SETS PRP: *EPA* POTENTIALLY RESPONSIBLE PARTIES (PRP) – database of parties identified by the EPA as being potential responsible for contamination at a CERCLIS or NPL site.

State Other: *US DOJ* NATIONAL CLANDESTINE LABORATORY REGISTER - Database of addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the U.S. Department of Justice ("the Department"), and the Department has not verified the entry and does not guarantee its accuracy. All sites that are included in this data set will have an id that starts with NCLR.

Environmental FirstSearch Database Sources

NPL: *EPA* Environmental Protection Agency

Updated quarterly

NPL DELISTED: *EPA* Environmental Protection Agency

Updated quarterly

CERCLIS: *EPA* Environmental Protection Agency

Updated quarterly

NFRAP: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA COR ACT: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA TSD: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA GEN: *EPA/MA DEP/CT DEP* Environmental Protection Agency, Massachusetts Department of Environmental Protection, Connecticut Department of Environmental Protection

Updated quarterly

RCRA NLR: *EPA* Environmental Protection Agency

Updated quarterly

Federal IC / EC: *EPA* Environmental Protection Agency

Updated quarterly

ERNS: *EPA/NRC* Environmental Protection Agency

Updated annually

Tribal Lands: *DOI/BIA* United States Department of the Interior

Updated annually

State/Tribal Sites: *LADEQ* Louisiana Department of Environmental Quality

Updated annually

State/Tribal SWL: *LADEQ* Louisiana Department of Environmental Quality

Updated annually

State/Tribal LUST: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal UST/AST: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal EC: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal IC: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal VCP: *LADEQ* Louisiana Department of Environmental Quality

Updated quarterly

State/Tribal Brownfields: *LADEQ* Louisiana Department of Environmental Quality

Updated n/a

Receptors: *US DOC* US Department of Commerce, Census Bureau

Updated periodically

NPDES: *EPA* Environmental Protection Agency

Updated quarterly

FINDS: *EPA* Environmental Protection Agency

Updated annually

TRIS: *EPA* Environmental Protection Agency.

Updated quarterly

HMIRS: *US DOT* US Department of Transportation

Updated quarterly

NCDB: *EPA* Environmental Protection Agency

Updated quarterly

PADS: *EPA* Environmental Protection Agency

Updated quarterly

AIRS: *EPA* Environmental Protection Agency

Updated quarterly

RADON: *NTIS* Environmental Protection Agency, National Technical Information Services

Updated periodically

DOCKET: *EPA* Environmental Protection Agency

Updated when available

Nuclear Permits: *EPA/NRC* Nuclear Regulatory Commission

Updated periodically

Federal Other: *EPA* Environmental Protection Agency

Updated quarterly

SETS PRP: *EPA* Environmental Protection Agency, National Technical Information Services

Updated when available

State Other: *US DOJ* U.S. Department of Justice

Updated when available

Environmental FirstSearch
Street Name Report for Streets within 1 Mile(s) of Target Property

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

Street Name	Dist/Dir	Street Name	Dist/Dir
La 27	0.00 --	Colligan Ln	0.64 NW
I-10	0.00 --	Cedar St	0.65 NW
I-210	0.00 --	East Ln	0.65 NW
La 1141	0.00 --	Cameron Parish 669	0.66 NW
Marine St	0.03 SW	Cities Service Hwy	0.66 NW
Shell Beach Dr	0.04 SW	State Route 108	0.66 NW
Riverside Dr	0.04 SW	Hobson St	0.66 NW
Burton Shipyard Rd	0.07 SW	Western St	0.66 SE
Paktank Rd	0.09 SW	W Bayou Pines Dr	0.68 SE
Davis Rd	0.10 NE	I- 10 Service Road	0.68 SW
Daise Bel Ln	0.11 SW	Dewey St	0.68 NW
Alphonse Ln	0.11 NW	Sampson St	0.68 NW
Perkins St	0.12 SW	Farquhar St	0.70 SE
Mike Hooks Rd	0.12 NE	Halverson Rd	0.70 SW
General Portland Rd	0.12 NE	Rosalie St	0.70 SE
Wakefield Rd	0.12 NE	Magnolia Rd	0.71 NW
Cameron Parish 3158	0.13 NE	Lee St	0.71 NW
Pa Rd 3155	0.14 NE	Bayou Pines Dr	0.71 SE
Cameron Parish 3154	0.15 NE	Dogwood Rd	0.71 SW
Marshall St	0.15 NE	Kennedy St	0.72 SE
Kile St	0.15 NW	Driftwood Rd	0.72 SW
Channelview Dr	0.16 NW	Beech St	0.73 NW
Merrie Ln	0.16 SW	Bellevue St	0.74 SE
Global Dr	0.17 SW	Winnie St	0.74 SE
Clifton Ridge Rd	0.17 NW	Clara St	0.74 SE
Sam Breaux Rd	0.18 NW	Property Rd	0.74 SW
Railroad Ave	0.19 NW	Vine St	0.75 NW
Westlake Ave	0.20 NW	Cash St	0.76 NW
Channel Dr	0.20 NW	Gallegos Rd	0.76 NW
Landry St	0.20 SW	Mc Kinley St	0.77 NW
Drounette Ln	0.22 NW	Trask Ln	0.77 SW
Driftwood Ln	0.22 SW	Cameron Parish 605	0.78 NW
Ideal Cement Rd	0.24 NE	Louie St	0.78 SE
Megason Ln	0.25 SW	Lilleon Ln	0.78 SE
Lake Ln	0.25 NW	Joe St	0.79 SE
Pete Seay Cir	0.25 NW	State Route 27	0.79 NW
Miller Ave	0.25 NW	Penn St	0.79 SE
W Tank Farm Rd	0.25 SE	Hayes St	0.80 SE
Isle of Capri Blvd	0.26 SW	Dees Ln	0.80 NW
Hazel St	0.27 SW	Matilda St	0.80 NW
Pilley St	0.28 NW	River Rd	0.80 NE
Happy Ln	0.28 SW	N River Road St	0.80 NE
Davison Rd	0.29 NW	Holly Ln	0.81 NW
Riverside St	0.29 NW	W Prien Lake Rd	0.81 SE
Gray St	0.30 NW	Bayou Pines East	0.81 SE
Queenan Ind Pk Rd	0.31 NW	Park Rd	0.82 NW
Dennis Ln	0.32 NW	Clyde St	0.82 SE
Magnolia St	0.32 SW	Foster St	0.83 SE

Environmental FirstSearch
Street Name Report for Streets within 1 Mile(s) of Target Property

Target Property: CALCASIEU LAKE
HACKBERRY LA 70645

JOB: ES53177

Street Name	Dist/Dir	Street Name	Dist/Dir
Charvais Dr	0.34 SE	Ruth St	0.84 SE
W Sallier St	0.34 SE	Newman Ln	0.85 NW
Bayou d Inde Rd	0.35 NW	Arvilla Ln	0.85 SE
Stella St	0.36 NW	Hardy Ln	0.86 NW
J B Constance Ln	0.37 NW	Field St	0.86 NW
Goos St	0.39 NW	Clooney St	0.86 SE
Roe Ln	0.40 NW	W 18th St	0.86 SE
Sulphur Ave	0.41 NW	Flowers St	0.87 NW
Bay Dr	0.42 SE	Cagle Ln	0.87 SE
Barbe St	0.42 SE	Short St	0.88 SE
Bahnsen Rd	0.44 NW	Guidry St	0.88 NW
Hilma St	0.45 NW	Martha St	0.88 NW
Touchy St	0.45 SE	Westwood St	0.88 SE
Short Ln	0.46 SE	Louise St	0.88 SE
Lake Shore Dr	0.46 NE	Tillman St	0.89 NW
St Anthony St	0.46 SE	Cade Ln	0.89 SE
Norben Dr	0.49 SE	Olsen Rd	0.90 NW
Bourgport Rd	0.49 NW	Creole St	0.90 SE
Moss Lake Ln	0.49 NW	Gross Ln	0.91 NW
Pa Rd 3153	0.49 NE	S Holly Hill Cir	0.91 NW
Gulfway Dr	0.49 NW	Fields St	0.91 NW
Joe Dugas Rd	0.50 NW	E Holly Hill Cir	0.91 NW
Volunteer Ln	0.50 NW	Flower St	0.91 NW
Lake Breeze Rd	0.51 NW	Burton Ln	0.91 SE
Eve Ln	0.52 NW	Swanson Ln	0.91 SE
Claiborne Ln	0.52 NW	Woodruff St	0.92 SE
Barbe Ct	0.52 SE	Drew Park Dr	0.92 SE
Pierce Mitchell Ln	0.53 NW	Henderson Bayou Rd	0.92 SE
Lake St	0.55 SE	Alvin St	0.92 SE
Delta Hardin Rd	0.55 NW	S Rue Des Chene	0.93 NW
Cameron Parish 604	0.55 NW	Nobles Ln	0.94 NW
Cohen Ln	0.55 NW	Grant St	0.94 NW
Solley Baker	0.55 NW	Bayou d Inde Pass	0.94 NW
Julia Ln	0.56 NW	Cemetery Rd	0.94 NW
Old Town Road	0.57 NW	W Holly Hill Cir	0.95 NW
Henry St	0.57 SE	Jackson St	0.95 NW
Kiwanis Ln	0.57 SE	Adrienne Ln	0.95 SE
Cove Ln	0.58 SE	Knight Ln	0.96 SE
Kay St	0.58 NW	Able Cir	0.96 SE
N D J Ln	0.58 NW	Cypress St	0.96 SE
Bourg Port Rd	0.58 NW	Tibbs Ln	0.96 NW
Deltra Hardin Rd	0.58 NW	Giovanni St	0.96 SE
S Ryan St	0.59 SE	Greenroad St	0.97 NW
Old US Hwy 90	0.59 SW	Lost Ln	0.97 SE
Hannah Hardin Rd	0.61 NW	Watkins St	0.97 SE
Johnson St	0.61 NW	Haymark Terminal Rd	0.98 NE
Cameron Parish 674	0.61 NW	Pa Rd 3197	0.98 NE
Main St	0.61 NW	Pullman St	0.98 NW

Environmental FirstSearch
Street Name Report for Streets within 1 Mile(s) of Target Property

Target Property: CALCASIEU LAKE
 HACKBERRY LA 70645

JOB: ES53177

Street Name	Dist/Dir	Street Name	Dist/Dir
St Anthony Pl	0.61 SE	Madison St	0.98 SE
D J Ln	0.62 NW	Continental Blvd	0.99 NW
Hawkins St	0.62 NW	Sonnier St	1.00 SE
Helen St	0.62 SE	E Krause St	1.00 NW
Gallegos Ln	0.63 NW	Engleside St	1.00 SE
Kale Ryan Rd	0.63 NW		
Alvin Guidry Cir	0.63 NW		



CLIENT	SITE
<p style="text-align: center;">GEC, INC. Attn: Joseph C. Wyble P.O. Box 84010 Baton Rouge, LA 70884-4010 Ph. (225)612-4230 Fax 1-225-612-3016</p>	<p style="text-align: center;">Calcasieu Lake Louisiana (Cameron & Calcasieu Counties)</p>

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No Sanborn Fire Insurance maps depicting the target property were identified.

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Appendix B

SITE RECONNAISSANCE PHOTOGRAPHS



Photograph 1. View to north of channel near I-10 Bridge.



Photograph 2. View to northwest of old oil field near Coon Island.



Photograph 3. View to south of channel from I-210 Bridge.



Photograph 4. View to southeast of Holcim facility on west channel bank.



Photograph 5. View to southeast of Port of Lake Charles facility.



Photograph 6. View to northwest of Bayou d'Inde outlet.



Photograph 7. View to northwest of CITGO facility.



Photograph 8. View to northwest of LNG tanks at CITGO facility.



Photograph 9. View to northwest of CITGO facility with debris in foreground.



Photograph 10. View to northwest of CITGO facility with oil spill remediation activities in foreground.



Photograph 11. View to west of pipeline crossing at CITGO facility with oil booms deployed.



Photograph 12. View to east of Lake Charles Refinery adjacent to CITGO facility.



Photograph 13. View to west of Conoco Philips facility.



Photograph 14. View to northwest of docks at Conoco Philips facility.



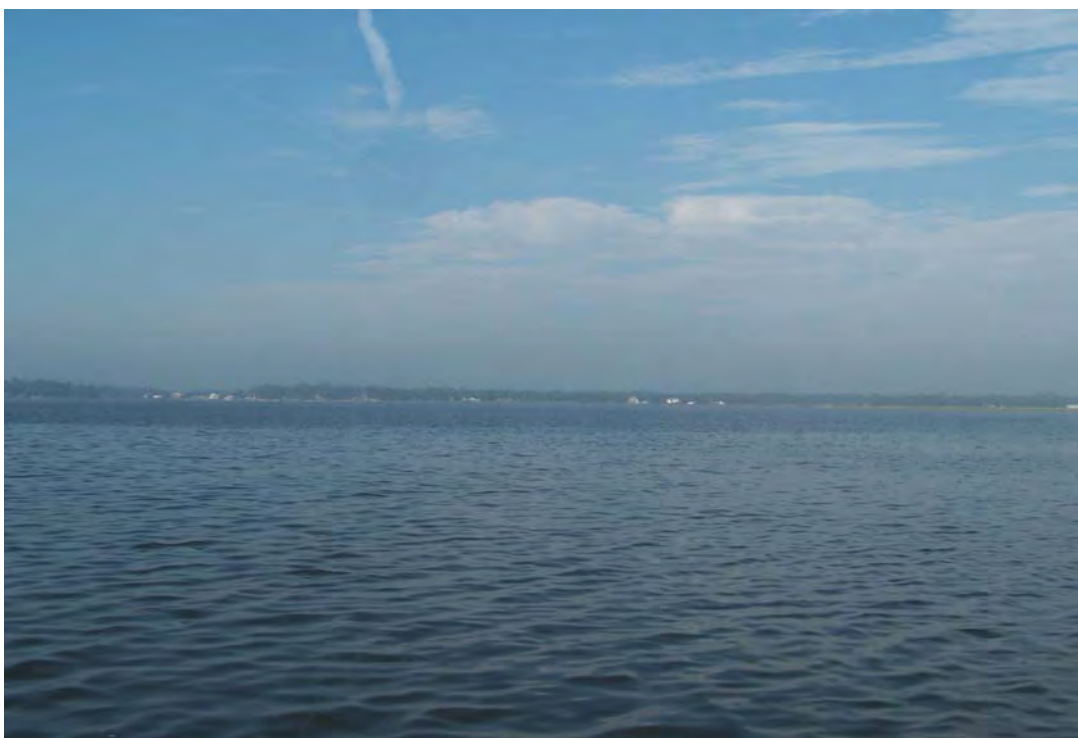
Photograph 15. View to west of Lake Charles Calcinating Plant.



Photograph 16. View to west of west channel bank north of Hackberry.



Photograph 17. View to west of ship graveyard near channel bank north of Hackberry.



Photograph 18. View to west of Moss Lake from channel.



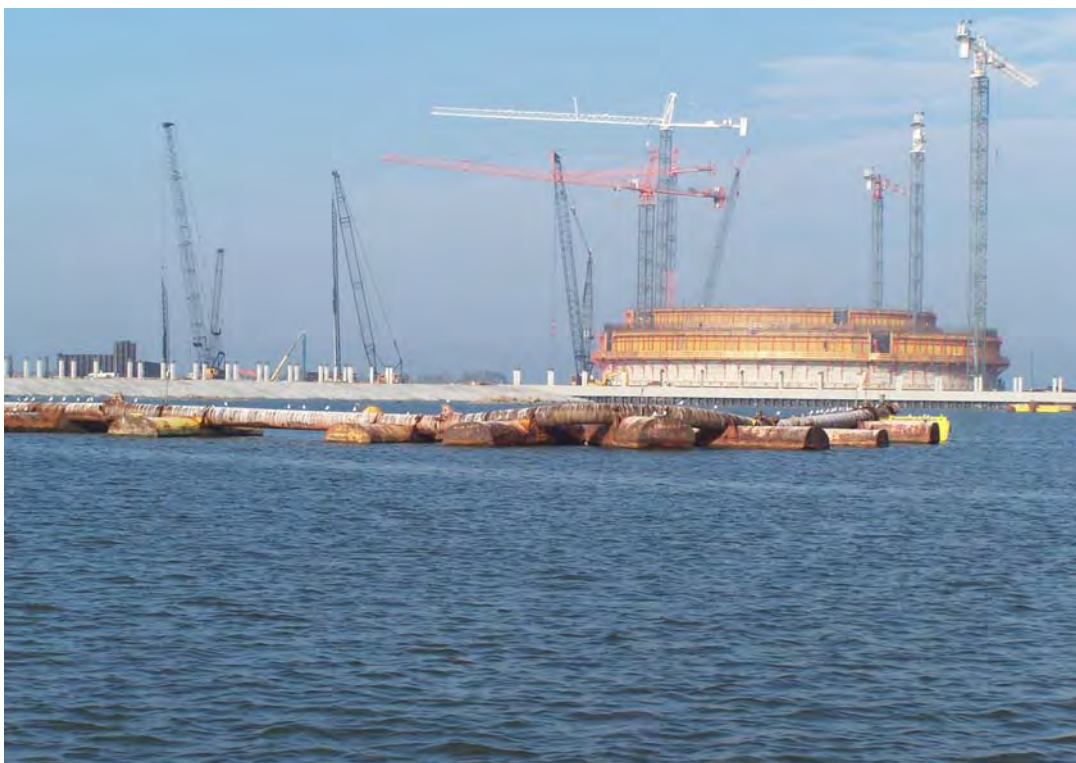
Photograph 19. View to north of Burtons Landing; note ASTs at center.



Photograph 20. View to southwest of barge berthing area south of Burtons Landing.



Photograph 21. View to west of channel bank near Hackberry showing erosion from vessel wakes.



Photograph 22. LNG facility under construction near Hackberry with dredge pipeline in foreground.



Photograph 23. View to west of channel bank near Hackberry showing typical marsh habitat.



Photograph 24. View to west of overturned cargo trailer on channel bank near Hackberry.



Photograph 25. View to north of west channel bank at Hackberry.



Photograph 26. View to east of ASTs at marina on west channel bank at Hackberry.



Photograph 27. View to east of East Hackberry Oil Field on west channel bank.



Photograph 28. View to east of East Hackberry Oil Field structures.



Photograph 29. View to northeast of ship graveyard near Hackberry.



Photograph 30. View to east of fishermen near east channel bank south of Hackberry.



Photograph 31. View to northwest of debris staging area from Sabine National Wildlife Refuge cleanup operations.



Photograph 32. View to west of debris staging area from Sabine National Wildlife Refuge cleanup operations.



Photograph 33. View to northwest of cargo vessel in channel.



Photo 34. View to east of unmarked AST on spoil island east of West Cove.



Photograph 35. View to east of debris on east channel bank east of West Cove.



Photograph 36. View to northwest of pipeline crossing near north shore of West Cove.



Photograph 37. View to northwest of vessel graveyard on west channel bank adjacent to Cameron.



Photograph 38. View to east of industrial facilities near channel bank at Cameron.

