

# Exhibit AA. Tamanend Business Park West Site Phase I Environmental Site Assessment



**Tamanend Business Park West Site Phase I  
Environmental Site Assessment**

# **Phase I Environmental Site Assessment**

## **Tamanend Business Park West St. Tammany Parish, Louisiana**

**Prepared for:  
WREDCO  
Baton Rouge, Louisiana**

**April 2016**

Prepared by:



17170 Perkins Road  
Baton Rouge, Louisiana

CK Associates' Project No. 13720

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## EXECUTIVE SUMMARY

CK Associates (CK) conducted a Phase I Environmental Site Assessment (ESA) for Weyerhaeuser Real Estate Development Company (WREDCo) on an approximately 44-acre property located east of Highway 434 in Lacombe, Louisiana (subject property). The property is identified as the Tamanend Business Park West. The Phase I ESA was conducted in general conformance with the scope and limitations of ASTM International Standard Practice E 1527-13, in order to determine the presence or absence of recognized environmental conditions (RECs) in connection with the subject property.

This assessment has revealed no evidence of RECs in connection with the subject property.

As requested by WREDCo, the following information has also been provided:

1. Based on the sources reviewed as part of the Phase I ESA, previous and current uses of the adjoining properties are as follows:
  - North – Forested
  - East – Forested
  - South – Forested
  - West – Forested and under development as a business park; water tower
2. Based on the most recent topographic map and information from the United States Geological Survey (USGS) National Map, average elevation at the subject property is 29 feet above mean sea level (MSL).
3. The grade of the subject property is fairly level, with a general slope to the northeast.
4. The terrain is fairly flat.
5. The majority of the site consists of forest.
6. No cemeteries were identified on the subject property.
7. A Phase II ESA is not recommended.
8. No residences are located on the subject property.

## 1.0 INTRODUCTION

CK Associates (CK) conducted a Phase I Environmental Site Assessment (ESA) for Weyerhaeuser Real Estate Development Company (WREDCo) on the 44-acre property located east of Highway 434 in Lacombe, Louisiana (subject property). The property is identified as the Tamanend Business Park West (**Figure 1**).

### 1.1 Purpose

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the processes prescribed in American Society for Testing and Materials Standard (ASTM) E 1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessments*, recognized environmental conditions (RECs) in connection with the subject property. A REC is defined by the ASTM Standard to be “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment”. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

A Phase I ESA is intended to reflect all appropriate inquiry regarding the subject property in order to satisfy one of the requirements to qualify for landowner liability protections under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Accordingly, this ESA acts to reduce the risk of unknown environmental liabilities by identifying potential items of concern.

### 1.2 Detailed Scope-of-Services

The scope of the work performed by CK is consistent with the protocols established in the ASTM Standard. This assessment and report were designed to help identify the possibility of the existence of RECs in connection with the subject property.

The specific scope of work includes the following:

- Reviewing records regarding environmental and historical use information concerning the subject property and surrounding properties;
- Conducting a physical inspection of the subject property and surrounding areas to assess whether environmental concerns are present, including documentation of conditions encountered;
- Completing research through interviews with owners, operators, and occupants of the subject property as well as with local government officials; and
- Preparation of a report of findings including subject property photographs, copies of historical documents, and an opinion regarding RECs observed in connection with the subject property.

### **1.3 Significant Assumptions**

CK assumes that all pertinent information provided by WREDCo is accurate in its depiction of the subject property at the time of this investigation. In addition, it is assumed that responses from the owner, operator, and occupants of the subject property during interviews have been provided truthfully and in good faith.

### **1.4 Limitations and Exceptions**

As stated in the ASTM Standard, “No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property.” Therefore, CK offers no warranty, expressed or implied that all RECs or regulatory liabilities have been identified despite a thorough, professionally prudent investigation conducted within the scope, schedule, and budget of this ESA. CK was not able to verify that the subject property or adjoining land contains no hazardous substances, petroleum products, or other latent condition beyond that detected or observed during the assessment. The possibility always exists for contaminants to migrate through surface water, air, soil, groundwater, or other environmental media. The opinions expressed by CK with reference to the subject property pertain to the conditions that existed at the subject property during the time in which the site reconnaissance was conducted.

### **1.5 User Reliance**

This report and other instruments of service were prepared for and made available for WREDCo and its agents, and should be used in its entirety.

## **2.0 SITE DESCRIPTION**

This section describes current uses of the subject property and adjacent properties.

### **2.1 Location and Legal Description**

The subject property is approximately 44 acres in size and is located north of Interstate 12 and east of Highway 434 in Lacombe, St. Tammany Parish, Louisiana (**Figure 1**). The St. Tammany Parish Assessor's Office records list the subject property as a portion of parcel number 1211076213 owned by WREDCo. The subject property is centered at approximately 30° 23' 04.54" N, -89° 53' 31.64 W". No legal description of the property was available in the St. Tammany Parish Assessor's Office records.

### **2.2 Subject Property and Vicinity General Characteristics**

The subject property consists of an approximately 44-acre irregular-shaped tract of land located north of Interstate 12, east of Highway 434 and south of Firetower Road in Lacombe, Louisiana. The majority of the property consists of forested land. Rural residential properties are present to the north and east amongst wooded areas. Commercial properties are present to the south and west amongst wooded areas. Though primarily forested, a business park is under development in the immediate vicinity of the subject property. A site map depicting the subject property is presented as **Figure 2**.

### **2.3 Current Use of the Property**

The subject property is currently wooded and managed as timber land.

### **2.4 Descriptions of Structures, Roads, Other Improvements on the Subject Property**

A cleared right-of-way (ROW) bisects the property from west to east. Other than the ROW clearing, there are no improvements on the subject property.

### **2.5 Current Uses of Adjoining Properties**

Adjoining properties were examined during the site reconnaissance and using aerial photography to make a cursory assessment of the current land use and its potential for RECs that may have an impact on the subject property. Adjoining properties to the north and east are wooded. The adjoining properties to the west and southwest are under development as a business park. Adjoining property to the south is primarily forested. Property to the southwest near Highway 434 is used as a commuter parking lot. A water tower is present adjacent to the southwest corner of the property. Additional site reconnaissance details are provided in **Section 5**.

### **3.0 USER PROVIDED INFORMATION**

This section describes the information provided by the User, WREDCo, as defined in ASTM E 1527-13.

#### **3.1 Title Records**

As detailed in ASTM E 1527-13 Section 6.2, *Review Title and Judicial Records for Environmental Liens or Activity and Use Limitations (AULs)*, land title records should be reviewed in order to determine if environmental liens or activity and use limitations have been recorded against the property. In accordance with the agreement between CK and the User, title records were not reviewed as a part of this ESA.

#### **3.2 Environmental Liens or Activity and Use Limitations**

CK reviewed state and federal records research provided by GeoSearch of CERCLIS (Superfund) liens, federal land use controls, state sites with controls, and local liens; none were located on the subject property.

#### **3.3 Specialized Knowledge**

No specialized knowledge that is material to RECs in connection with the subject property was conveyed to CK.

#### **3.4 Commonly Known or Reasonably Ascertainable Information**

No commonly known or reasonably ascertainable information regarding the environmental history of the property was conveyed to CK.

#### **3.5 Valuation Reduction for Environmental Issues**

There is no indication of a valuation reduction due to environmental issues at the property.

#### **3.6 Owner, Property Manager, and Occupant Information**

The property is owned by WREDCo, represented by Mr. Scott Gilbert. The property is currently managed as timber land.

#### **3.7 Reason for Performing Phase I ESA**

This Phase I ESA has been conducted to provide due diligence for property transfer and is intended to permit the User, WREDCo, to identify RECs in connection with the property that might limit a purchaser's ability to satisfy one of the requirements for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability.

## 4.0 RECORDS REVIEW

Historical sources, physical setting sources, and regulatory databases were reviewed to evaluate current and past land uses and assess environmental impacts that have occurred or may potentially occur in association with the subject property.

### 4.1 Standard Environmental Record Sources

CK reviewed the database search report of federal and state environmental records provided by GeoSearch to assist in the identification of RECs in connection with the subject property. The records reviewed pertain to the subject property as well as properties within the ASTM approximate minimum search distance (MSD) in order to help assess the likelihood of problems from migrating hazardous substances or petroleum products. The approximate minimum search distance was measured from the subject property with no adjustments. Information generated by the database search is contained in **Appendix A**.

#### 4.1.1 State and Federal Databases

In accordance with ASTM E 1527-13, Section 8.2.1, *Standard Federal, State, and Tribal Environmental Record Sources*, information obtained from the listed federal and state databases shall be reviewed. In addition, the ASTM Standard states that one or more additional state or local sources may be checked to enhance and supplement the federal and state sources identified in ASTM E 1527-13 Section 8.2.1, but are not required. GeoSearch's records search also includes a review of several additional federal, state, and local databases. No sites were located within MSD of the subject property.

### 4.2 Additional Environmental Record Sources

The GeoSearch report included the following supplemental databases: water wells, oil and gas wells, and orphan sites. Supporting information from the supplemental databases is presented below:

#### 4.2.1 Water Wells

The GeoSearch report notes that seven water wells have been registered with the state and the federal United States Geological Survey (USGS) within one-half mile of the subject property. The GeoSearch report indicated that six water wells are located west of Highway 434 and one water well is located north of the subject property. No water wells are located on the subject property. The water well report is included in **Appendix A**.

#### 4.2.2 Oil & Gas Wells

The GeoSearch report identified no oil and gas wells registered with the Louisiana Department of Natural Resources (LDNR) within one mile of the subject property. The oil and gas report is included in **Appendix A**.

#### **4.2.3 Pipelines**

CK reviewed the National Pipeline Mapping System (NPMS) for information on pipelines in the vicinity of the property. NPMS identified no pipelines on the subject property.

#### **4.2.4 Orphan Sites**

Orphan (or unlocatable) sites are facilities identified within the database search as being located within the same zip code or within an adjacent zip code of the subject property and as being present on one or more environmental databases. However, there is insufficient location information to plot the orphan facility on the radius map.

The GeoSearch report identified no orphan sites.

### **4.3 Physical Setting Sources**

CK used GeoSearch to obtain and evaluate pertinent physical setting information for the subject property. A copy of the GeoSearch report is included in **Appendix A**.

#### **4.3.1 USGS 7.5 Minute Topographic Map**

The most current USGS 7.5 Minute Series Topographic Map depicting the area in which the subject property is located is the “Saint Tammany, Louisiana” 2012 Topographic Map (**Appendix C**). The average elevation of the subject property is approximately 29 feet above MSL. The subject property is fairly level, with a general slope to the northeast.

#### **4.3.2 Soil Conservation Service Soil Map**

According to the United States Department of Agriculture Soil Conservation Service, the primary soil types present at the subject property are Myatt fine sandy loam and Prentiss fine sandy loam. The Myatt soil type is listed in Hydrologic Group Class C, which indicates slow infiltration rates. These soils are somewhat poorly drained. The Prentiss soil type is listed in Hydrologic Group Class C. These soils are moderately well drained.

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

CK consulted historical sources to develop a history of the previous uses of the property and adjoining properties in order to help identify the likelihood of past uses having led to RECs in connection with the subject property.

#### **4.4.1 Aerial Photographs**

CK reviewed aerial photographs with coverage of the subject property (**Appendix B**). A summary of observations from each aerial image is presented below.



The 1952 aerial photograph depicts the subject property and surrounding area as forested. Highway 434 is present west of the property, and Firetower Road is present to the east.

The 1959 and 1969 aerial photographs show no changes to the subject property or the surrounding properties.

The 1978, 1983 and 1989 aerial photographs indicate little to no change to the subject property. In 1989, vegetation indicative of a stream channel is visible along the northern property boundary.

In the 1998 and 2005 aerial photographs, the property and surrounding area remains unchanged. A trail is present extending from Firetower Road to the northeast corner of the property.

The 2015 aerial photograph shows the property much as it appears today. A ROW has been cleared across the northern third of the property from east to west. A ROW has also been cleared on adjacent property along the eastern property boundary. An unimproved roadway system is present on adjoining property along the western and southern property boundaries. A linear retention pond and water tower are present on adjacent property at the southwestern property boundary.

#### **4.4.2 USGS Topographic Maps**

CK reviewed historical topographic maps with coverage of the subject property (**Appendix C**). A summary of observations from each topographic map is presented below.

The 1935 USGS (1:62,500) topographic map "Slidell, Louisiana," depicts the property at approximately 30 feet above MSL. No structures or roads are mapped on the subject property. An intermittent stream is present immediately north of the subject property. Wetlands are mapped near the southwest corner of the property. Highway 434 is present to the west, and Firetower and Dixie Ranch Roads are present to the east of the property.

In the 1950 USGS (1: 62,500) topographic map "Slidell, Louisiana," the subject property and surrounding area appear similar to the previous map.

In the 1970 USGS (1:24,000) topographic map "St. Tammany, Louisiana," the subject property and surrounding areas are mapped as upland. No structures or roads are mapped on the subject property. The intermittent stream previously mapped north of the property, and the wetlands previously mapped near its southwest corner are no longer present.

In the 1979 USGS (1:24,000) topographic map, "St. Tammany, Louisiana," the subject property and surrounding area appear similar to the previous map.

In the 1994 USGS (1:24,000) topographic map, "St. Tammany, Louisiana," the subject property and surrounding area appear similar to the previous map.

In the 2012 USGS (1:24,000) topographic map “St. Tammany, Louisiana,” the subject property and surrounding area appear similar to the previous map. No structures or roads are mapped on the subject property.

#### **4.4.3 Fire Insurance Maps**

Fire insurance maps were requested for the subject property, but coverage of the subject property was not available (**Appendix D**).

#### **4.4.4 City Directories**

A City Directory search (**Appendix E**) was performed by GeoSearch. City Directories were available for the years ranging from 1991 to 2016 on Highway 434 in the vicinity of the subject property; no records were available for Firetower Road. Listed addresses are primarily residential. A few commercial listings appear beginning in 1996, including Frito Lay and Fill Materials. The coroner’s office first appears in 2016.

#### **4.4.5 Radon**

Current federal and state guidelines indicate that concentrations of radon at less than 4 picoCurries per liter (pCi/L) are non-threatening to human health, concentrations of radon between 4 and 20 pCi/L pose a risk of long term exposure, and concentrations of radon greater than 20 pCi/L pose an immediate threat to human health.

The GeoSearch water well report identifies St. Tammany Parish (where the subject property is located) as a Zone 3 area with a predicted indoor average radon level of less than 2 pCi/L.

## 5.0 SITE RECONNAISSANCE

Mr. Clifford Johnson of CK visited the subject property on April 14, 2016 in order to obtain information indicating the likelihood of RECs in connection with the subject property. Photographs taken during the site reconnaissance are included in **Appendix F**.

### 5.1 Methodology and Limiting Conditions

The subject property was accessed on foot to observe the perimeter of the property and traverse the interior of the property. Adjoining properties were observed from the subject property and public roadways.

### 5.2 General Site Setting

The subject property consists of forested land. There are no improvements on the subject property. A cleared ROW bisects the property from west to east.

#### Current Use of the Subject Property

The subject property is currently forested timberland.

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

The subject property appears to have been used as timber production land in the past.

#### Current Uses of Adjoining Properties

All adjoining findings are listed below:

- North – Forested
- East – Forested
- South – Forested
- West – Forested and under development as a business park; water tower

#### Current or Past Uses of Adjoining Properties and the Surrounding Area

All surrounding adjacent property appears to have been used for forestry operations in the past.

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

The subject property sits on generally flat land appearing to drain to the northeast.

### General Description of Structures

No structures were observed during the site reconnaissance.

### Roads

There are no roads on the subject property.

### Potable Water Supply

No potable water supplies were observed during the site reconnaissance.

### Sewage Disposal System

No sewage disposal systems were observed during the site reconnaissance.

## **5.3 Exterior Observations**

The following site-specific features were observed on the subject property at the time of this assessment:

### Hazardous Substances and Petroleum Products in Connection with Identified Uses

No hazardous substances or petroleum products in connection with identified uses were observed at the time of the site reconnaissance.

### Hazardous Substance and Petroleum Products Containers (Not Necessarily in Connection with Identified Uses)

No hazardous substances or petroleum products with unidentified uses were observed at the time of the site reconnaissance.

### Storage Tanks

No storage tanks were observed at the time of the site reconnaissance.

### Drums

No drums were observed at the time of the site reconnaissance.

### Unidentified Substance Containers

No unidentified substance containers were observed at the time of the site reconnaissance.

### Odors

No unusual odors were detected at the time of the site reconnaissance.

#### Pools of Liquid

No pools of liquid were observed at the time of the site reconnaissance.

#### PCBs

According to the EPA, polychlorinated biphenyls (PCBs) were used in electrical transformers manufactured between 1929 and 1977, with the majority being installed prior to 1978.

No transformers were observed at the time of the site reconnaissance.

#### Pits, Ponds, or Lagoons

No pits, ponds, or lagoons were identified on the subject property.

#### Stained Soil or Pavement

No staining was observed on the soil at the time of the site reconnaissance.

#### Stressed Vegetation

No stressed vegetation was observed at the time of the site reconnaissance.

#### Solid Waste

No solid waste was observed on the subject property.

#### Waste Water

No waste water was observed on the subject property.

#### Wells

No water wells were identified on the subject property.

#### Septic Systems

No septic systems were observed at the time of the site reconnaissance.

### **5.4 Interior Observations**

No structures were observed during the site reconnaissance.

## **6.0 INTERVIEWS**

CK interviewed owners, operators, and occupants of the property, past and present when available, in order to obtain information indicating RECs in connection with the subject property.

### **6.1 Interview with Owner**

Mr. Scott Gilbert of WREDCo completed the owner and User questionnaires. Mr. Gilbert indicated that a wetland permit, a hydrology report, and geotechnical reports relating to the property were available. Mr. Gilbert was not aware of any environmental concerns regarding the subject property. Copies of the completed questionnaires are included in **Appendix G**.

### **6.2 Interview with Occupant**

There are no occupants on the subject property.

### **6.3 Interviews with Local Government Officials**

Local government officials were not interviewed as part of this Phase I ESA. However, inquiries into state government files were performed online and through EDR's government records searches.

## 7.0 EVALUATION

This section documents the findings, opinions, and conclusions of the Phase I ESA and includes identified additional investigations, data gaps, and deletions. The environmental professional(s) that conducted this evaluation have provided necessary statements, references, and signature(s).

### 7.1 Findings and Opinions

CK performed a Phase I ESA on the 44-acre property located on the east side of Highway 434 in Lacombe, Louisiana. This assessment revealed the following:

- The subject property and general area appear to have been utilized for timber production since prior to 1950. Based on the site reconnaissance, no RECs were observed on the property.

### 7.2 Limiting Conditions/Deviations

The following deletions or deviations from the ASTM Standard Practice E 1527-13 were made during this investigation:

- In accordance with CK's agreement with the User, title records were not reviewed.
- No government representatives were interviewed.

### 7.3 Data Gaps

Data gaps are defined in ASTM E 1527-13 Section 3.2.21, *data gap*, as a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. No significant data gaps were encountered during preparation of this ESA.

### 7.4 Conclusions

CK has performed a Phase I ESA in general conformance with the scope and limitations of ASTM Standard Practice E 1527-13 for the subject property located on the east side of Highway 434, in Lacombe, Louisiana. Any exceptions to, or deletions from, this practice are described in **Sections 7.2 and 7.3** of this report. This assessment has revealed no evidence of RECs in connection with the subject property.

### 7.5 References

American Society for Testing and Materials, 2013, ASTM Standard Practice for Environmental Site Assessments (E 1527-13).

GeoSearch, City Directory Standard Report, Order No. 65666, April 18, 2016.

GeoSearch, Aerial Photo Decade Package, Order No. 65666, Job No. 142555, April 18, 2016.

GeoSearch, Historical Topographic Map Report, Order No. 65666, Job No. 142550, April 14, 2016.

GeoSearch, Radius Report, Order No. 65666, Job No. 142548, April 15, 2016.

GeoSearch, Fire Insurance Map (FIM) Report, Order No. 65666, April 14, 2016.

GeoSearch, GeoPlus Oil & Gas Report, Order No. 65666, Job No. 142552, April 15, 2016.

GeoSearch, GeoPlus Physical Settings Maps, Order No. 65666, Job No. 142554, April 15, 2016.

GeoSearch, GeoPlus Water Well Report, Order No. 65666, Job No. 142551, April 15, 2016.

Louisiana Department of Environmental Quality. Electronic Database Management System.

United States Department of Transportation (USDOT), National Pipeline Mapping System (NPMS). <https://www.npms.phmsa.dot.gov/PublicViewer/>

United States Geological Survey (USGS), The National Map Viewer. <http://viewer.nationalmap.gov/viewer/>

## **7.6 Signature and Qualifications of Environmental Professional**

"I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental professional as defined in §312.10 of 40 CFR 312.

"I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."



Jennifer Lindquist, PG  
Senior Environmental Geologist

Jennifer Lindquist is a Professional Geologist with over 20 years of experience in the environmental field and has performed and reviewed numerous environmental studies. Ms.



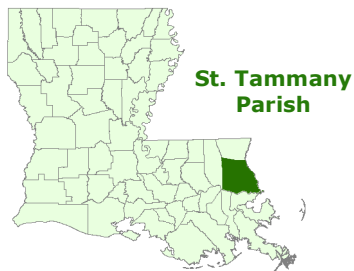
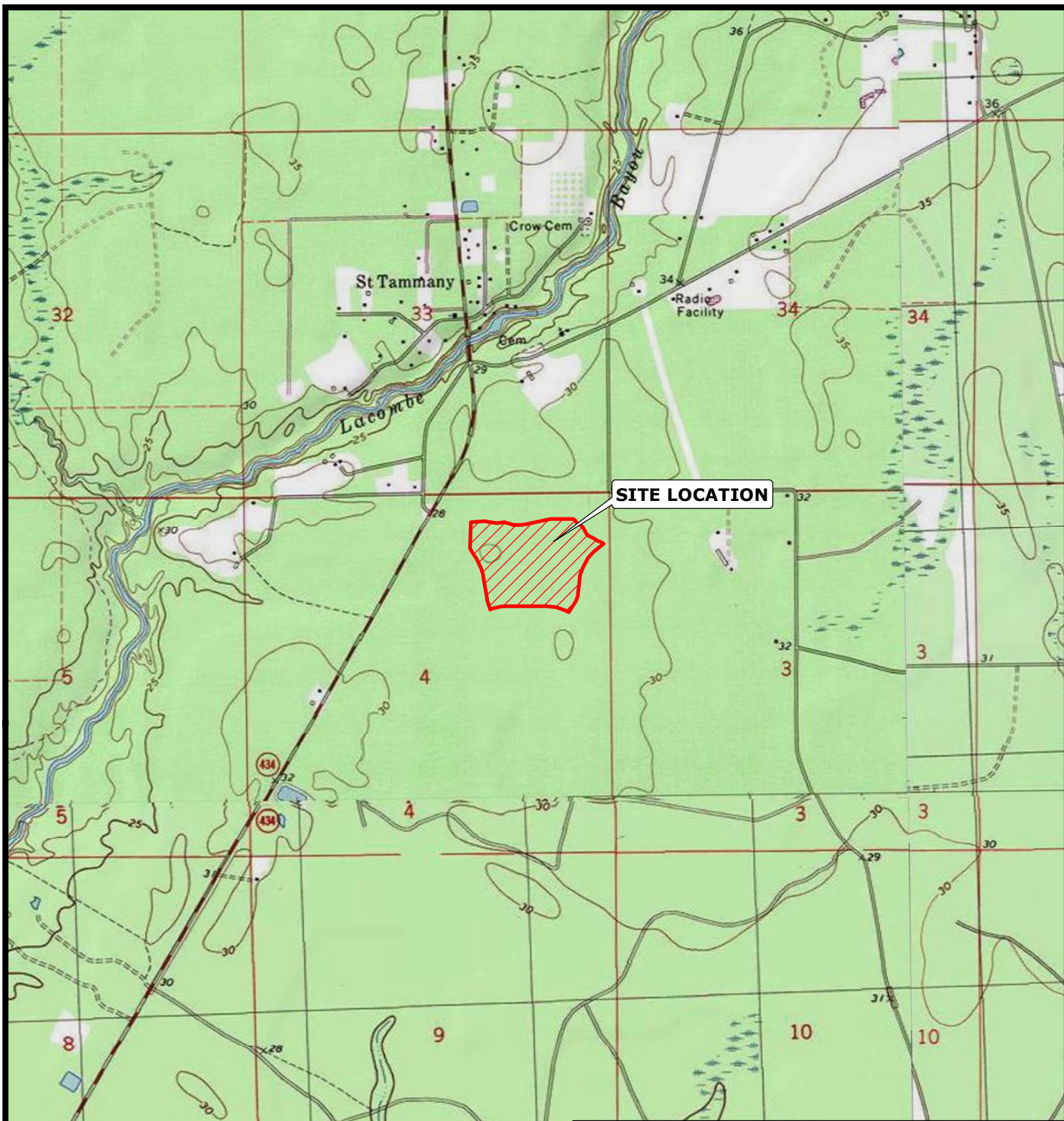
Lindquist has a B.S. degree in Environmental Science and Geology and a M.S degree in Environmental Science.

A resume for Jennifer Lindquist can be found in **Appendix H**.

## FIGURES

**FIGURE 1**

**SITE LOCATION MAP**



0 2,000  
Feet



Reference  
USGS 24K Series Topo Map, St. Tammany, Louisiana

**Weyerhaeuser**  
Mandeville, Louisiana

Tamanend West Environmental Site Assessment

## Site Location Map

St. Tammany Parish



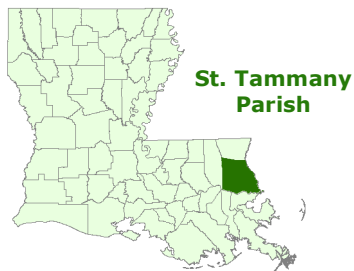
Drawn:	CAL/AM10.3
Checked:	CJ
Approved:	JL
Date:	04/19/2016
Dwg. No.:	A13720-01

**Figure 1**

**FIGURE 2**

**SITE MAP**





Reference

Aerial Imagery, NAIP 2015, St. Tammany Parish, LA Mosaic.



**Weyerhaeuser**

Mandeville, Louisiana

Tamanend West Environmental Site Assessment

## Site Map

St. Tammany Parish

Drawn:	CAL/AM10.3
Checked:	CJ
Approved:	JL
Date:	04/19/2016
Dwg. No.:	A13720-02

**Figure 2**

## **APPENDICES**

## **APPENDIX A**

### **ENVIRONMENTAL DATABASE SEARCH**





On time. On target. In touch.™

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## ***Radius Report***

---

[Satellite view](#)

*Target Property:*

***Tamanend West***

***LA-434***

***Lacombe, St. Tammany Parish, Louisiana 70445***

*Prepared For:*

***CK Associates***

***Order #: 65666***

***Job #: 142548***

***Date: 04/15/2016***

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## Disclaimer

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## **Target Property Summary**

### **Target Property Information**

*Tamanend West*

*LA-434*

*Lacombe, Louisiana 70445*

#### **Coordinates**

*Point (-89.892239, 30.384611)*

*29 feet above sea level*

#### **USGS Quadrangle**

*Saint Tammany, LA*

### **Geographic Coverage Information**

**County/Parish:** St. Tammany (LA)

**ZipCode(s):**

Lacombe LA: 70445

Slidell LA: 70460

#### **Radon**

\* Target property is located in Radon Zone 3.

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).

## Database Summary

### **FEDERAL LISTING**

#### **Standard Environmental Records**

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
EMERGENCY RESPONSE NOTIFICATION SYSTEM	<a href="#">ERNSLA</a>	0	0	TP/AP
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	<a href="#">EC</a>	0	0	TP/AP
LAND USE CONTROL INFORMATION SYSTEM	<a href="#">LUCIS</a>	0	0	TP/AP
RCRA SITES WITH CONTROLS	<a href="#">RCRASC</a>	0	0	TP/AP
NO LONGER REGULATED RCRA GENERATOR FACILITIES	<a href="#">NLRRCRAG</a>	0	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR FACILITIES	<a href="#">RCRAGR06</a>	0	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - NON-GENERATOR FACILITIES	<a href="#">RCRANGR06</a>	0	0	0.1250
BROWNFIELDS MANAGEMENT SYSTEM	<a href="#">BF</a>	0	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	<a href="#">DNPL</a>	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	<a href="#">NLRRCRAT</a>	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - NON-CORRACTS TREATMENT, STORAGE & DISPOSAL FACILITIES	<a href="#">RCRAT</a>	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM	<a href="#">SEMS</a>	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM ARCHIVED SITE INVENTORY	<a href="#">SEMSARCH</a>	0	0	0.5000
NATIONAL PRIORITIES LIST	<a href="#">NPL</a>	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	<a href="#">NLRRCRAC</a>	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	<a href="#">PNPL</a>	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	<a href="#">RCRAC</a>	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - SUBJECT TO CORRECTIVE ACTION FACILITIES	<a href="#">RCRASUBC</a>	0	0	1.0000
SUB-TOTAL		0	0	

#### **Additional Environmental Records**

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	<a href="#">AIRSAFS</a>	0	0	TP/AP
BIENNIAL REPORTING SYSTEM	<a href="#">BRS</a>	0	0	TP/AP
CERCLIS LIENS	<a href="#">SFLIENS</a>	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	<a href="#">CDL</a>	0	0	TP/AP
EPA DOCKET DATA	<a href="#">DOCKETS</a>	0	0	TP/AP
FACILITY REGISTRY SYSTEM	<a href="#">FRSLA</a>	0	0	TP/AP

## Database Summary

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	<a href="#">HMIRSR06</a>	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	<a href="#">ICIS</a>	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	<a href="#">ICISNPDES</a>	0	0	TP/AP
MATERIAL LICENSING TRACKING SYSTEM	<a href="#">MLTS</a>	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	<a href="#">NPDESR06</a>	0	0	TP/AP
PCB ACTIVITY DATABASE SYSTEM	<a href="#">PADS</a>	0	0	TP/AP
PERMIT COMPLIANCE SYSTEM	<a href="#">PCSR06</a>	0	0	TP/AP
SECTION SEVEN TRACKING SYSTEM	<a href="#">SSTS</a>	0	0	TP/AP
TOXIC SUBSTANCE CONTROL ACT INVENTORY	<a href="#">TSCA</a>	0	0	TP/AP
TOXICS RELEASE INVENTORY	<a href="#">TRI</a>	0	0	TP/AP
HISTORICAL GAS STATIONS	<a href="#">HISTPST</a>	0	0	0.2500
OPEN DUMP INVENTORY	<a href="#">ODI</a>	0	0	0.5000
DEPARTMENT OF DEFENSE SITES	<a href="#">DOD</a>	0	0	1.0000
FORMERLY USED DEFENSE SITES	<a href="#">FUDS</a>	0	0	1.0000
RECORD OF DECISION SYSTEM	<a href="#">RODS</a>	0	0	1.0000
SUB-TOTAL		0	0	

## Database Summary

### STATE (LA) LISTING

#### Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
SITES WITH CONTROLS	<a href="#">IC</a>	0	0	TP/AP
NO LONGER REPORTED UNDERGROUND STORAGE TANKS	<a href="#">NLRUST</a>	0	0	0.2500
UNDERGROUND STORAGE TANKS	<a href="#">UST</a>	0	0	0.2500
APPROVED HURRICANE DEBRIS DUMP SITES	<a href="#">ADS</a>	0	0	0.5000
HISTORICAL LEAKING UNDERGROUND STORAGE TANKS	<a href="#">HLUST</a>	0	0	0.5000
LEAKING UNDERGROUND STORAGE TANKS	<a href="#">LUST</a>	0	0	0.5000
SOLID WASTE LANDFILLS	<a href="#">SWLF</a>	0	0	0.5000
VOLUNTARY REMEDIATION PROGRAM SITES	<a href="#">VRP</a>	0	0	0.5000
CONFIRMED AND POTENTIAL SITES INVENTORY	<a href="#">CPI</a>	0	0	1.0000
SUB-TOTAL		0	0	

#### Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
ASBESTOS DEMOLITION AND RENOVATION NOTIFICATION PROJECTS	<a href="#">ASBESTOS</a>	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	<a href="#">CDL</a>	0	0	TP/AP
LISTING OF LOUISIANA DEQ LIENS	<a href="#">LIENS</a>	0	0	TP/AP
SPILLS LISTING	<a href="#">SPILLS</a>	0	0	TP/AP
WASTE TIRE GENERATOR LIST	<a href="#">WASTETIRE</a>	0	0	TP/AP
DRYCLEANING FACILITIES	<a href="#">DCR</a>	0	0	0.2500
RECYCLING FACILITIES	<a href="#">RCY</a>	0	0	0.5000
WASTE PITS	<a href="#">WP</a>	0	0	0.5000
SUB-TOTAL		0	0	

## Database Summary

### LOCAL LISTING

#### Additional Environmental Records

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
CITY OF NEW ORLEANS MARKETABLE BROWNFIELD PROPERTIES	<a href="#">MBF</a>	0	0	0.5000
CITY OF NEW ORLEANS POTENTIAL BROWNFIELD PROPERTIES	<a href="#">PBF</a>	0	0	0.5000
CITY OF WESTWEGO BROWNFIELD RENEWAL PROJECTS	<a href="#">WBF</a>	0	0	0.5000
SUB-TOTAL		0	0	



## Database Summary

### **TRIBAL LISTING**

#### **Standard Environmental Records**

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">USTR06</a>	0	0	0.2500
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">LUSTR06</a>	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	<a href="#">ODINDIAN</a>	0	0	0.5000

SUB-TOTAL		0	0	
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#### **Additional Environmental Records**

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
INDIAN RESERVATIONS	<a href="#">INDIANRES</a>	0	0	1.0000

SUB-TOTAL		0	0	
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TOTAL		0	0	
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## Database Radius Summary

### **FEDERAL LISTING**

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRSAFS	0.0200	0	NS	NS	NS	NS	NS	0
BRS	0.0200	0	NS	NS	NS	NS	NS	0
CDL	0.0200	0	NS	NS	NS	NS	NS	0
DOCKETS	0.0200	0	NS	NS	NS	NS	NS	0
<b>EC</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>ERNSLA</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
FRSLA	0.0200	0	NS	NS	NS	NS	NS	0
HMIRSR06	0.0200	0	NS	NS	NS	NS	NS	0
ICIS	0.0200	0	NS	NS	NS	NS	NS	0
ICISNPDES	0.0200	0	NS	NS	NS	NS	NS	0
<b>LUCIS</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
MLTS	0.0200	0	NS	NS	NS	NS	NS	0
NPDES06	0.0200	0	NS	NS	NS	NS	NS	0
PADS	0.0200	0	NS	NS	NS	NS	NS	0
PCSR06	0.0200	0	NS	NS	NS	NS	NS	0
<b>RCRASC</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
SFLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SSTS	0.0200	0	NS	NS	NS	NS	NS	0
TRI	0.0200	0	NS	NS	NS	NS	NS	0
TSCA	0.0200	0	NS	NS	NS	NS	NS	0
<b>NLRRCRAG</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>RCRAGR06</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>RCRANGR06</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
HISTPST	0.2500	0	0	0	NS	NS	NS	0
<b>BF</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>DNPL</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>NLRRCRAT</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
ODI	0.5000	0	0	0	0	NS	NS	0
<b>RCRAT</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>SEMS</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>SEMSARCH</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
DOD	1.0000	0	0	0	0	0	NS	0
FUDS	1.0000	0	0	0	0	0	NS	0
<b>NLRRCRAC</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>NPL</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>

## Database Radius Summary

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
PNPL	1.0000	0	0	0	0	0	NS	0
RCRAC	1.0000	0	0	0	0	0	NS	0
RCRASUBC	1.0000	0	0	0	0	0	NS	0
RODS	1.0000	0	0	0	0	0	NS	0
SUB-TOTAL		0	0	0	0	0	0	0

## Database Radius Summary

### STATE (LA) LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
ASBESTOS	0.0200	0	NS	NS	NS	NS	NS	0
CDL	0.0200	0	NS	NS	NS	NS	NS	0
<b>IC</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
LIENS	0.0200	0	NS	NS	NS	NS	NS	0
SPILLS	0.0200	0	NS	NS	NS	NS	NS	0
WASTETIRE	0.0200	0	NS	NS	NS	NS	NS	0
DCR	0.2500	0	0	0	NS	NS	NS	0
<b>NLRUST</b>	<b>0.2500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>UST</b>	<b>0.2500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>ADS</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>HLUST</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>LUST</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
RCY	0.5000	0	0	0	0	NS	NS	0
<b>SWLF</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>VRP</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
WP	0.5000	0	0	0	0	NS	NS	0
<b>CPI</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>SUB-TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Database Radius Summary

### LOCAL LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
MBF	0.5000	0	0	0	0	NS	NS	0
PBF	0.5000	0	0	0	0	NS	NS	0
WBF	0.5000	0	0	0	0	NS	NS	0
SUB-TOTAL		0	0	0	0	0	0	0

## Database Radius Summary

### **TRIBAL LISTING**

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
<b>USTR06</b>	<b>0.2500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>LUSTR06</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>ODINDIAN</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>INDIANRES</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>

<b>SUB-TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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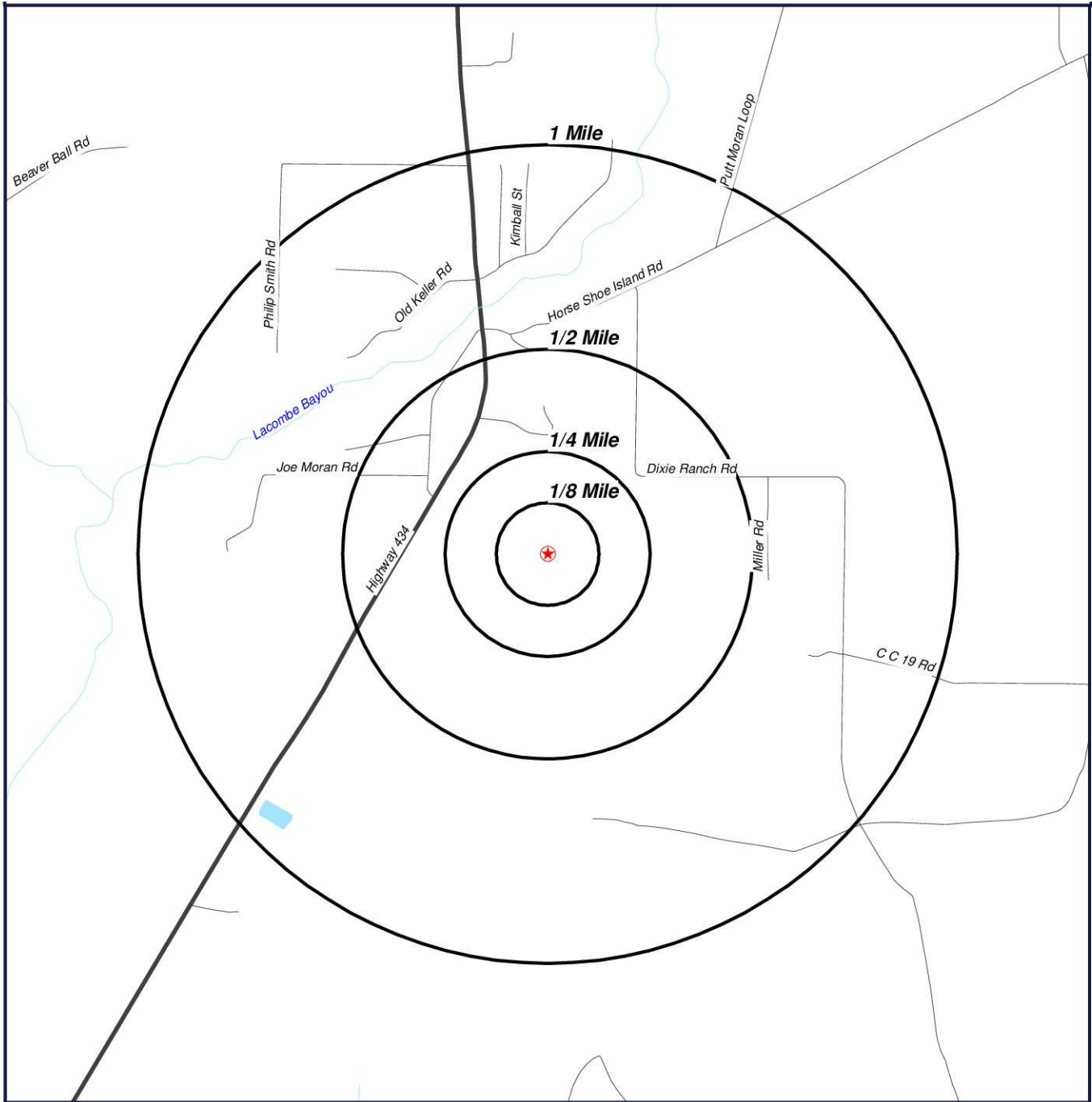
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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**NOTES:**

**NS = NOT SEARCHED**

**TP/AP = TARGET PROPERTY/ADJACENT PROPERTY**

## Radius Map 1



★ Target Property (TP)

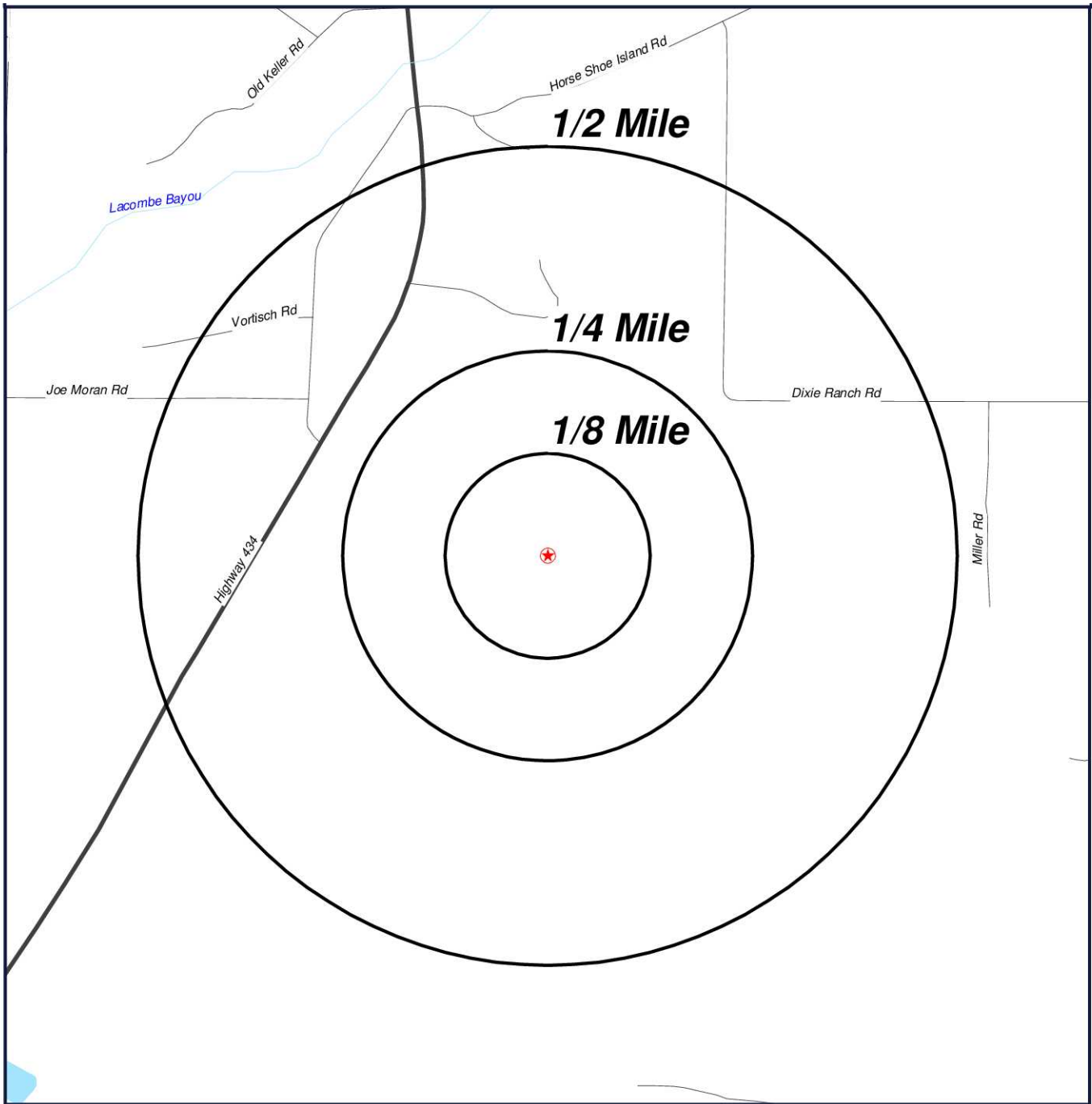
**Tamanend West  
LA-434  
Lacombe, Louisiana  
70445**



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

## Radius Map 2



★ Target Property (TP)

**Tamanend West  
LA-434  
Lacombe, Louisiana  
70445**

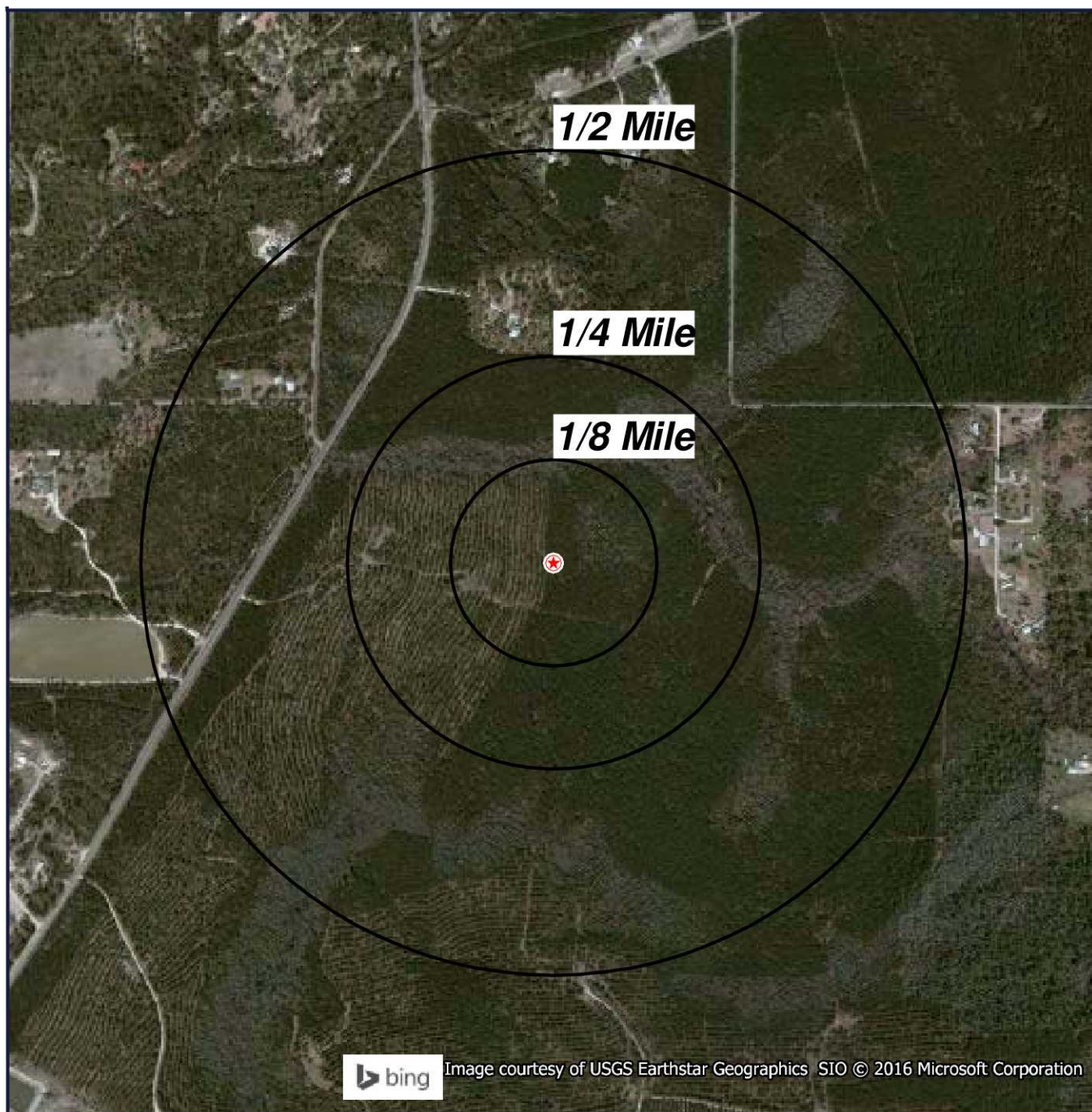


0' 500' 1000' 1500'  
SCALE: 1" = 1000'

[Click here to access Satellite view](#)



## Ortho Map



★ Target Property (TP)

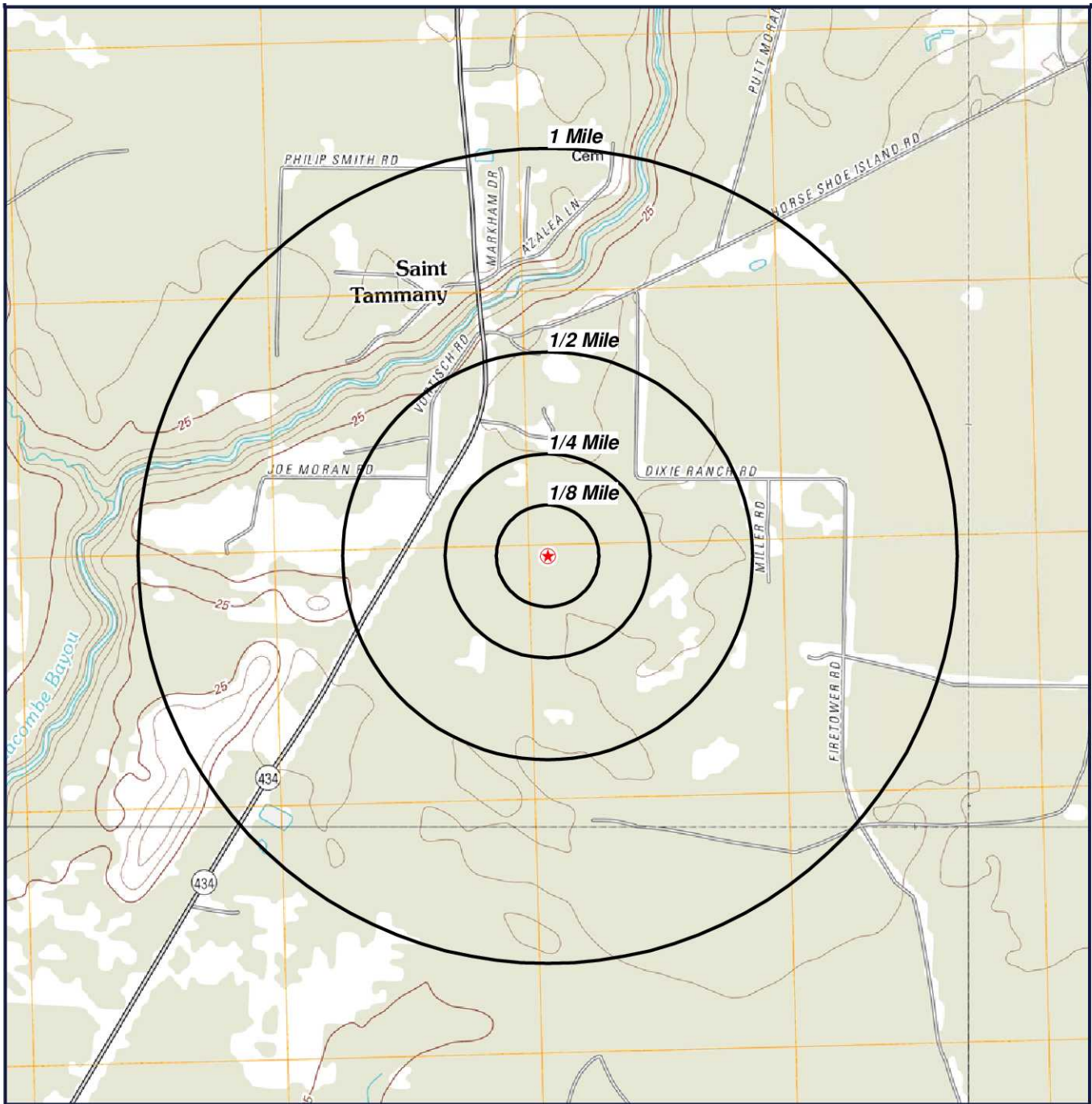
**Quadrangle(s): Saint Tammany**  
**Tamanend West**  
**LA-434**  
**Lacombe, Louisiana**  
**70445**



0' 500' 1000' 1500'  
SCALE: 1" = 1000'

[Click here to access Satellite view](#)

# Topographic Map



★ Target Property (TP)

**Quadrangle(s): Saint Tammany**  
**Source: USGS, 03/09/2012**  
**Tamanend West**  
**LA-434**  
**Lacombe, Louisiana**  
**70445**



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

*Located Sites Summary*

## ***Elevation Summary***

*Elevations are collected from the USGS 3D Elevation Program 1/3 arc-second (approximately 10 meters) layer hosted at the NGTOC. .*

**Target Property Elevation: 29 ft.**

*NOTE: Standard environmental records are displayed in **bold**.*

## ***Unlocated Sites Summary***

*This list contains sites that could not be mapped due to limited or incomplete address information.*

*No Records Found*



## ***Environmental Records Definitions - FEDERAL***

### **AIRSAFS**

Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 10/20/14

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance.

### **BRS**

Biennial Reporting System

VERSION DATE: 12/31/11

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

### **CDL**

Clandestine Drug Laboratory Locations

VERSION DATE: 01/20/16

The U.S. Department of Justice ("the Department") provides this information as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

### **DOCKETS**

EPA Docket Data

VERSION DATE: 12/22/05

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

### **EC**

Federal Engineering Institutional Control Sites

VERSION DATE: 08/03/15

This database includes site locations where Engineering and/or Institutional Controls have been identified as part

## ***Environmental Records Definitions - FEDERAL***

of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.

### **ERNSLA**

Emergency Response Notification System

VERSION DATE: 02/21/16

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

### **FRSLA**

Facility Registry System

VERSION DATE: 02/03/16

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

### **HMIRSR06**

Hazardous Materials Incident Reporting System

VERSION DATE: 11/08/15

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

### **ICIS**

Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 12/06/15

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.

## ***Environmental Records Definitions - FEDERAL***

**ICISNPDES**

Integrated Compliance Information System National Pollutant Discharge Elimination System

VERSION DATE: 12/20/15

In 2006, the Integrated Compliance Information System (ICIS) - National Pollutant Discharge Elimination System (NPDES) became the NPDES national system of record for select states, tribes and territories. ICIS-NPDES is an information management system maintained by the United States Environmental Protection Agency's Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels.

**LUCIS**

Land Use Control Information System

VERSION DATE: 09/01/06

The LUCIS database is maintained by the U.S. Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

**MLTS**

Material Licensing Tracking System

VERSION DATE: 02/12/16

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements.

**NPDESR06**

National Pollutant Discharge Elimination System

VERSION DATE: 04/01/07

Information in this database is extracted from the Water Permit Compliance System (PCS) database which is used by United States Environmental Protection Agency to track surface water permits issued under the Clean Water Act. This database includes permitted facilities located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas. The NPDES database was collected from December 2002 until April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data.

**PADS**

PCB Activity Database System

VERSION DATE: 07/01/14

The PCB Activity Database System (PADS) is used by the United States Environmental Protection Agency to monitor the activities of polychlorinated biphenyls (PCB) handlers.

**PCSR06**

Permit Compliance System

VERSION DATE: 08/01/12



## ***Environmental Records Definitions - FEDERAL***

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas. PCS has been modernized, and no longer exists. National Pollutant Discharge Elimination System (ICIS-NPDES) data can now be found in Integrated Compliance Information System (ICIS).

**RCRASC** RCRA Sites with Controls

VERSION DATE: 02/23/16

This list of Resource Conservation and Recovery Act sites with institutional controls in place is provided by the U.S. Environmental Protection Agency.

**SFLIENS** CERCLIS Liens

VERSION DATE: 06/08/12

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is complete.

**SSTS** Section Seven Tracking System

VERSION DATE: 12/08/14

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. ("Production" includes formulation, packaging, repackaging, and relabeling.)

**TRI** Toxics Release Inventory

VERSION DATE: 12/31/14

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal and tribal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.

## ***Environmental Records Definitions - FEDERAL***

**TSCA** Toxic Substance Control Act Inventory

VERSION DATE: 12/31/06

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site.

**NLRRCRAG** No Longer Regulated RCRA Generator Facilities

VERSION DATE: 02/09/16

This database includes RCRA Generator facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly generated hazardous waste.

Large Quantity Generators: Generate 1,000 kg or more of hazardous waste during any calendar month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.

Small Quantity Generators: Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators: Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

**RCRAGR06** Resource Conservation & Recovery Act - Generator Facilities

VERSION DATE: 02/09/16

This database includes sites listed as generators of hazardous waste (large, small, and exempt) in the RCRAInfo

## ***Environmental Records Definitions - FEDERAL***

system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes sites located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

Large Quantity Generators: Generate 1,000 kg or more of hazardous waste during any calendar month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.

Small Quantity Generators: Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators: Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

### **RCRANGR06**

Resource Conservation & Recovery Act - Non-Generator Facilities

VERSION DATE: 02/09/16

This database identifies RCRAInfo system sites that only handle hazardous waste, such as transporters, without generating any amount hazardous waste. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes sites located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

### **HISTPST**

Historical Gas Stations

VERSION DATE: NR

This historic directory of service stations is provided by the Cities Service Company. The directory includes

## ***Environmental Records Definitions - FEDERAL***

Cities Service filling stations that were located throughout the United States in 1930.

**BF** Brownfields Management System

VERSION DATE: 01/28/16

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment. This database included tribal brownfield sites.

**DNPL** Delisted National Priorities List

VERSION DATE: 07/22/15

This database includes sites from the United States Environmental Protection Agency's Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

**NLRRCRAT** No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 02/09/16

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

**ODI** Open Dump Inventory

VERSION DATE: 06/01/85

The open dump inventory was published by the United States Environmental Protection Agency. An "open dump" is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

**RCRAT** Resource Conservation & Recovery Act - Non-CORRACTS Treatment, Storage & Disposal Facilities

VERSION DATE: 02/09/16

This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of

## ***Environmental Records Definitions - FEDERAL***

1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

**SEMS** Superfund Enterprise Management System

VERSION DATE: 01/11/16

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs.

**SEMSARCH** Superfund Enterprise Management System Archived Site Inventory

VERSION DATE: 01/11/16

The Superfund Enterprise Management System Archive listing (SEMS-ARCHIVE) has replaced the CERCLIS NFRAP reporting system in 2015. This listing reflect sites that have been assessed and no further remediation is planned and is of no further interest under the Superfund program.

**DOD** Department of Defense Sites

VERSION DATE: 06/21/10

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

**FUDS** Formerly Used Defense Sites

VERSION DATE: 06/01/15

The Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not all properties currently have polygon data available. DISCLAIMER: This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

## ***Environmental Records Definitions - FEDERAL***

**NLRRCRAC** No Longer Regulated RCRA Corrective Action Facilities

VERSION DATE: 02/09/16

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

**NPL** National Priorities List

VERSION DATE: 12/15/15

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

**PNPL** Proposed National Priorities List

VERSION DATE: 07/22/15

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.

**RCRAC** Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 02/09/16

This database includes all hazardous waste sites with ongoing corrective action activity and where corrective action is statutorily required to be address but have not had corrective action imposed in the RCRAInfo system. The Corrective Action Program requires owners or operators of RCRA facilities (or treatment, storage, and disposal facilities) to investigate and cleanup contamination in order to protect human health and the environment. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

**RCRASUBC** Resource Conservation & Recovery Act - Subject to Corrective Action Facilities

VERSION DATE: 02/09/16

This database includes hazardous waste sites which are potentially subject to corrective action regardless of whether they have correction action underway, plus any sites showing a corrective action event of RFI or beyond in the RCRAInfo system. Sites conducting corrective action under analogous state authorities are also included. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and

## ***Environmental Records Definitions - FEDERAL***

reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

**RODS** Record of Decision System

VERSION DATE: 07/01/13

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

## ***Environmental Records Definitions - STATE (LA)***

### **ASBESTOS**

Asbestos Demolition and Renovation Notification Projects

VERSION DATE: 02/10/16

This listing of Asbestos Demolition and Renovation Projects is provided by the Louisiana Department of Environmental Quality (DEQ). In accordance with the DEQ Air Quality Regulations, LAC 33:III.5151.F.1.f, any contractor performing removal of asbestos containing material that involves Regulated Asbestos Containing Material (see definition in LAC 33:III.5151.B) must become licensed by the Louisiana State Licensing Board for Contractors.

### **CDL**

Clandestine Drug Laboratory Locations

VERSION DATE: 02/13/16

This list of Clandestine Methamphetamine Labs is provided by the Louisiana Department of Environmental Quality. These residential real properties have been reported as potentially contaminated:

### **IC**

Sites With Controls

VERSION DATE: 12/15/15

This site listing is maintained by the Louisiana Department of Environmental Quality's Remediation Division. Institutional controls (IC) are administrative and/or legal measures in place to safeguard the public and the environment from potential contamination. In certain circumstances, local zoning or ordinances can serve as an IC. This listing may also include locations where Engineering Controls are in effect, such as a cap, barrier, or other engineering device to prevent access, exposure, or continued migration of contamination.

### **LIENS**

Listing of Louisiana DEQ Liens

VERSION DATE: 08/25/15

A listing of liens filed against properties by the Remediation Services Division of the Louisiana Department of Environmental Quality.

### **SPILLS**

Spills Listing

VERSION DATE: 12/23/15

The Louisiana Department of Environmental Quality provides this database. Information includes releases of hazardous or potential hazardous chemical/materials into the environment.

### **WASTETIRE**

Waste Tire Generator List

VERSION DATE: 03/16/16

This listing of registered waste tire generators is maintained by the Louisiana Department of Environmental Quality.



## ***Environmental Records Definitions - STATE (LA)***

**DCR** Drycleaning Facilities

VERSION DATE: 02/04/16

This listing of drycleaning facilities was provided by the Louisiana Department of Environmental Quality.

**NLRUST** No Longer Reported Underground Storage Tanks

VERSION DATE: 02/01/04

This Underground Storage Tank listing originates from the no longer active PEL filing system of the Louisiana Department of Environmental Quality.

**UST** Underground Storage Tanks

VERSION DATE: 03/03/16

The Underground Storage Tank database includes a listing of registered underground storage tanks maintained by the Louisiana Department of Environmental Quality.

**ADS** Approved Hurricane Debris Dump Sites

VERSION DATE: 02/24/16

This Louisiana Department of Environmental Quality listing of hurricane debris sites contains the temporary and the permitted landfills in the state that can currently accept hurricane debris (C&D, chipping, grinding, burning, staging, woodwaste). These landfills include Type I (Non-hazardous Industrial), Type II (Municipal) and Type III (Construction and Demolition Debris and Wood Waste).

**HLUST** Historical Leaking Underground Storage Tanks

VERSION DATE: 03/26/99

The Historical Leaking Underground Storage Tank database provides descriptive leaking facility reports from the Louisiana Department of Environmental Quality's Underground Storage Tanks Case History System. This database has not been updated since 1999. Please refer to LUST database as source of current data.

**LUST** Leaking Underground Storage Tanks

VERSION DATE: 03/02/16

This database contains facilities with reported leaking underground storage tanks and is maintained by the by the Louisiana Department of Environmental Quality.

**RCY** Recycling Facilities

VERSION DATE: 01/08/16

## ***Environmental Records Definitions - STATE (LA)***

This listing of recycling facilities is maintained by the Louisiana Department of Environmental Quality.

**SWLF** Solid Waste Landfills

VERSION DATE: 02/15/16

This Louisiana Department of Environmental Quality solid waste facility listing includes type I, II, and III landfills. A type I facility is used for the disposal of industrial solid waste. A type II facility is used for the disposal of residential or commercial solid waste. A type III facility is defined in LAC 33:VII.115 as a facility used for disposing or processing of construction/demolition debris or wood waste, composting organic waste to produce a usable material, or separating recyclable wastes. Residential, commercial, or industrial solid waste must not be disposed in a type III facility.

**VRP** Voluntary Remediation Program Sites

VERSION DATE: 12/15/15

The Louisiana Department of Environmental Quality's Voluntary Remediation Program (VRP) provides a mechanism by which property owners (or potential owners) or others can clean up contaminated properties and receive a release of liability for further cleanup of historical contamination at a site. This release of liability flows to future owners of the property as well.

**WP** Waste Pits

VERSION DATE: 01/01/99

This listing is from a 1999 Louisiana Oil Spill Coordinator's Office (LOSCO) study, which identified statewide abandoned non-hazardous waste pits and facilities that have the potential to initiate an oil spill.

**CPI** Confirmed and Potential Sites Inventory

VERSION DATE: 02/03/16

The Inactive and Abandoned Sites Division of the Louisiana Department of Environmental Quality maintains the confirmed and potential sites inventory. This listing contains state-equivalent CERCLIS hazardous wastes sites.

## ***Environmental Records Definitions - LOCAL***

**MBF** City of New Orleans Marketable Brownfield Properties

VERSION DATE: 03/15/07

This listing of marketable brownfield properties is maintained by the City of New Orleans Office of Environmental Affairs. All properties included on this listing are or are alleged to be closed service stations.

**PBF** City of New Orleans Potential Brownfield Properties

VERSION DATE: NR

The Brownfields database is maintained by the City of New Orleans Office of Environmental Affairs. This listing of potential brownfields includes abandoned or underused industrial or commercial properties with possible environmental contamination. The Louisiana Department of Environmental Quality and the United States Environmental Protection Agency provide support to the City of New Orleans for the redevelopment of these properties. The information contained within this listing was compiled sometime between 2002 and 2003.

**WBF** City of Westwego Brownfield Renewal Projects

VERSION DATE: 10/01/08

The Westwego Brownfields Renewal Project was started in October 2000, funded by a \$200,000 EPA Grant from Region VI. Mayor Robert Billiot and the Westwego City Council are committed to identifying and restoring the brownfield sites in Westwego. This is being done in conjunction with the redevelopment of the City's historic Salaville area.

## ***Environmental Records Definitions - TRIBAL***

**USTR06**                      Underground Storage Tanks On Tribal Lands

VERSION DATE: 05/13/15

This database, provided by the United States Environmental Protection Agency (EPA), contains underground storage tanks on Tribal lands located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

**LUSTR06**                      Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/01/15

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

**ODINDIAN**                      Open Dump Inventory on Tribal Lands

VERSION DATE: 11/08/06

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

**INDIANRES**                      Indian Reservations

VERSION DATE: 01/01/00

The Department of Interior and Bureau of Indian Affairs maintains this database that includes American Indian Reservations, off-reservation trust lands, public domain allotments, Alaska Native Regional Corporations and Recognized State Reservations.



On time. On target. In touch.™

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## ***GeoPlus Physical Setting Maps***

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[Satellite view](#)

*Target Property:*

***Tamanend West***

***LA-434***

***Lacombe, St. Tammany Parish, Louisiana 70445***

*Prepared For:*

***CK Associates***

***Order #: 65666***

***Job #: 142554***

***Date: 04/15/2016***

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## Target Property Summary

### **Target Property Information**

Tamanend West

LA-434

Lacombe, Louisiana 70445

#### **Coordinates**

Point (-89.892239, 30.384611)

#### **USGS Quadrangle**

Saint Tammany, LA

### **Geographic Coverage Information**

**County/Parish:** St. Tammany (LA)

#### **ZipCode(s):**

Lacombe LA: 70445

Slidell LA: 70460

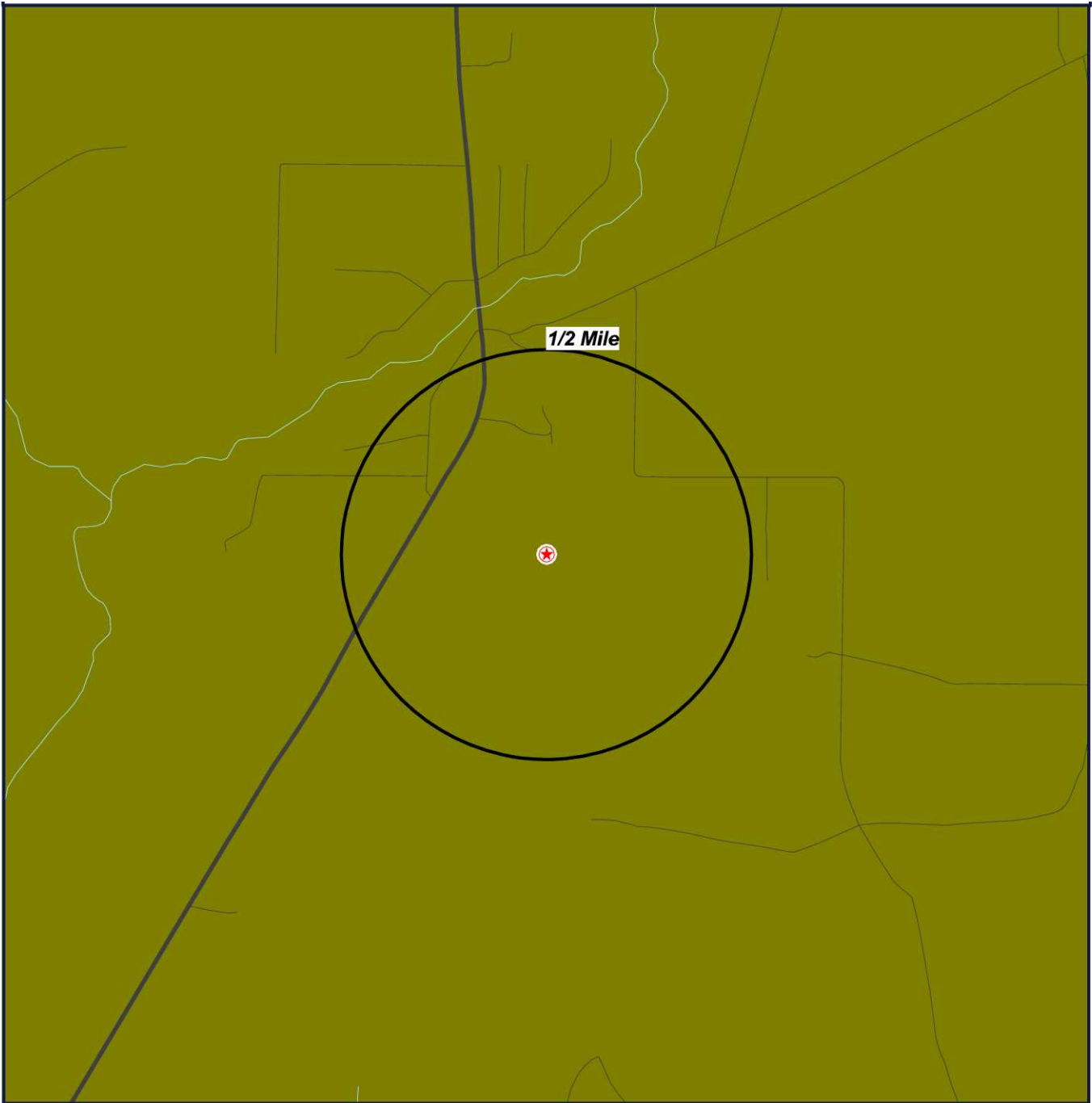
#### **Radon**

\* Target property is located in Radon Zone 3.

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).



# FEMA Map



★ Target Property (TP)

ZONE A  
 ZONE AE  
 ZONE AH  
 ZONE A0  
 ZONE AR  
 ZONE V  
 ZONE VE

ZONE D  
 ZONE X  
 AREA NOT INCLUDED  
 OPEN WATER  
 NDA - DIGITAL DATA NOT AVAILABLE

**Tamanend West**  
**LA-434**  
**Lacombe, Louisiana**  
**70445**

Panel #: 220202



0' 1000' 2000' 3000'  
 SCALE: 1" = 2000'

[Click here to access Satellite view](#)

## ***FEMA Report***

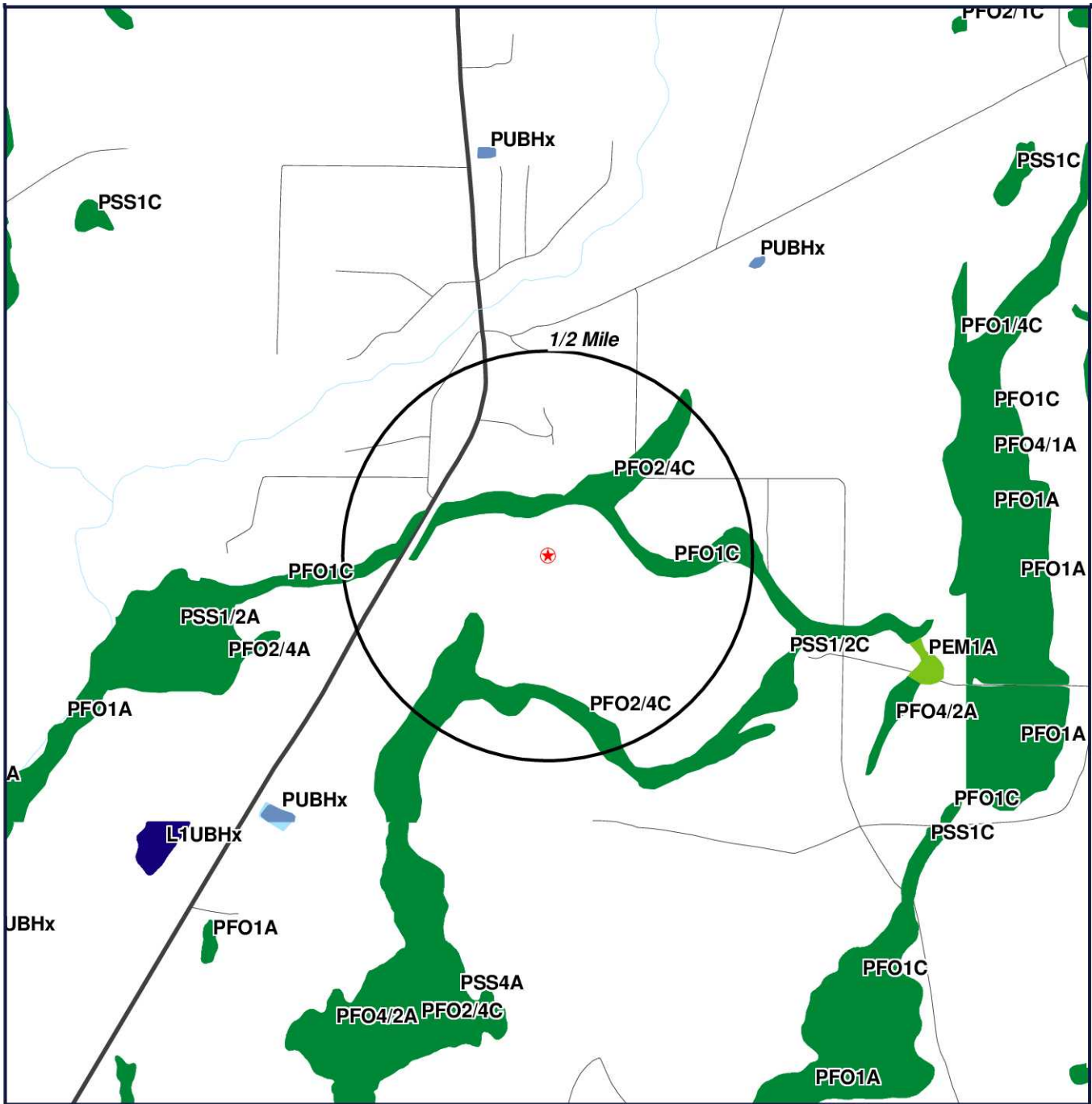
### **FEMA - Federal Emergency Management Agency**

The National Flood Hazard Layer (NFHL) data used in this report is derived from the Federal Emergency Management Agency. The NFHL dataset is a compilation of effective Flood Insurance Rate Map (FIRM) databases (a collection of the digital data that are used in GIS systems for creating new Flood Insurance Rate Maps) and Letters of Map Change (Letters of Map Amendment and Letters of Map Revision only) that create a seamless GIS data layer for United States and its territories. The NFHL is updated as new study or LOMC data becomes effective. Note: Currently, not all areas have modernized FIRM database data available. As a result, users may need to refer to the effective Flood Insurance Rate Map for effective flood hazard information. This data was provided by the Federal Emergency Management Agency's Map Service Center in November of 2013.

### **FEMA Flood Zone Definitions within Search Radius**

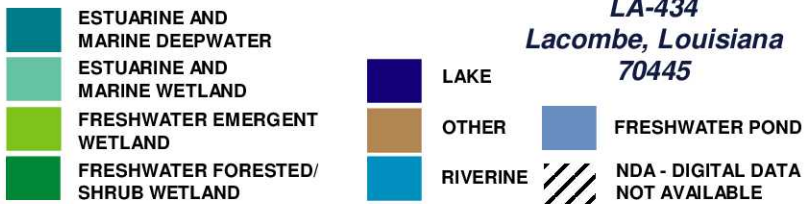
AREA
------

# NWI Map



★ Target Property (TP)

**Tamanend West  
LA-434  
Lacombe, Louisiana  
70445**



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

# NWI Report

## NWI - National Wetlands Inventory

The US NWI digital data bundle is a set of records of wetlands location and classification as defined by the U.S. Fish & Wildlife Service. This dataset is one of a series available in 7.5 minute by 7.5 minute blocks containing ground planimetric coordinates of wetlands point, line, and area features and wetlands attributes. When completed, the series will provide coverage for all of the contiguous United States, Hawaii, Alaska, and U.S. protectorates in the Pacific and Caribbean. The digital data as well as the hardcopy maps that were used as the source for the digital data are produced and distributed by the U.S. Fish & Wildlife Service's National Wetlands Inventory project. Currently, this data is only available in select counties throughout the United States.

## NWI Definitions within Search Radius

### PFO1C

SYSTEM: **PALUSTRINE**

CLASS: **FORESTED**

SUBCLASS: **BROAD-LEAVED DECIDUOUS**

WATER REGIME: **SEASONALLY FLOODED**

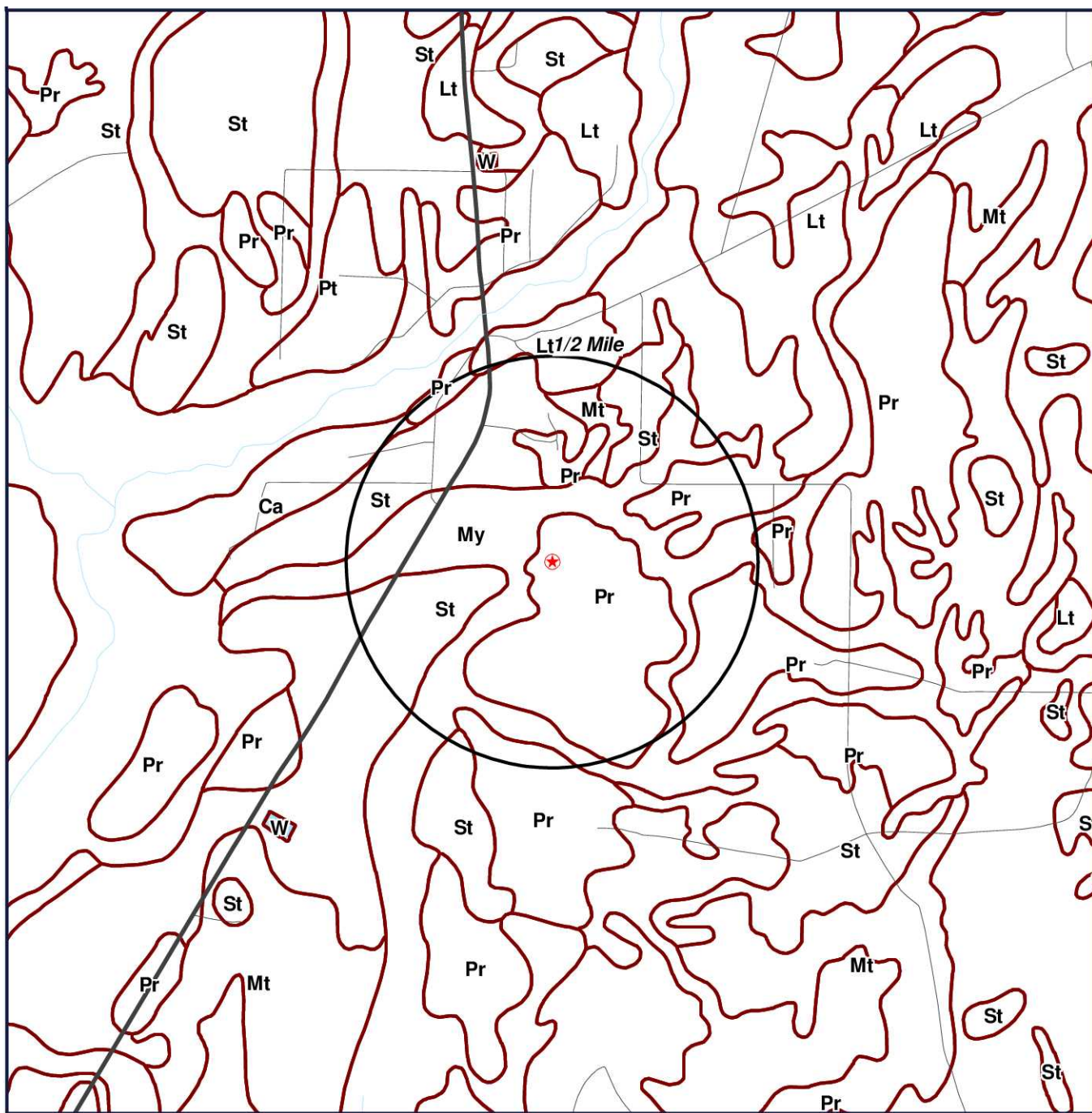
### PFO2/4C

SYSTEM: **PALUSTRINE**

CLASS: **FORESTED**

SUBCLASS: **NEEDLE-LEAVED DECIDUOUS**

# Soil Map



★ Target Property (TP)



SOIL BOUNDARY



NDA - DIGITAL DATA NOT AVAILABLE/NOT COMPLETE

**Tamanend West  
LA-434  
Lacombe, Louisiana  
70445**



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

# SOIL Report

## Soil Surveys

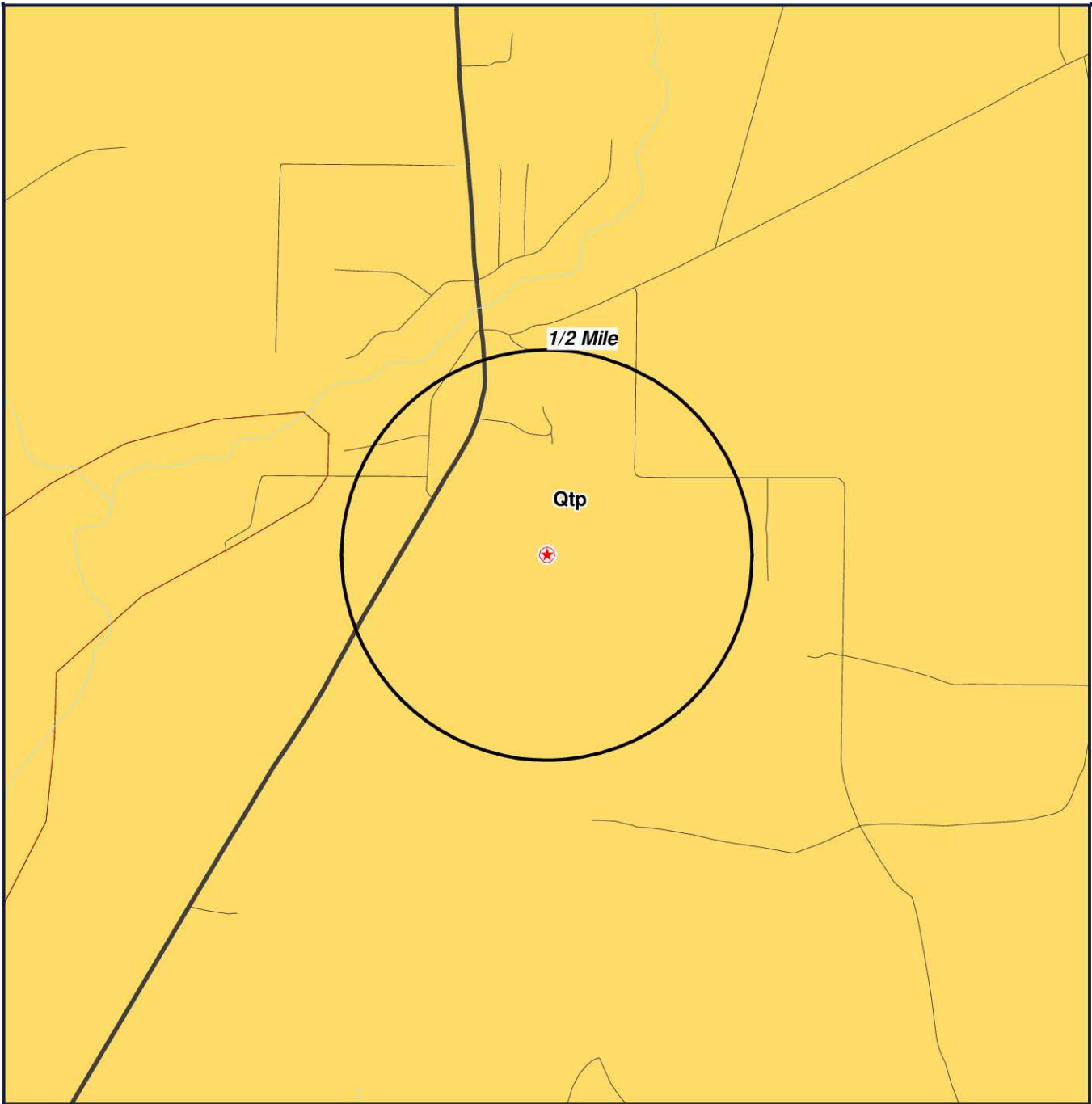
The soil data used in this report is obtained from the Natural Resources Conservation Service (NRCS). The NRCS is the primary federal agency that works with private landowners to help them conserve, maintain and improve their natural resources. The soil survey contains information that can be applied in managing farms and ranches; in selecting sites for roads, ponds, buildings and other structures; and in determining the suitability of tracts of land for farming, industry and recreation. This data is available in select counties throughout the United States.

## SOIL Code Definitions within Search Radius

<b>Ca</b>	Cahaba fine sandy loam, 1 to 3 percent slopes
<b>Lt</b>	Latonia fine sandy loam
<b>Mt</b>	Myatt fine sandy loam
<b>My</b>	Myatt fine sandy loam, frequently flooded
<b>Pr</b>	Prentiss fine sandy loam, 0 to 1 percent slopes
<b>St</b>	Stough fine sandy loam



## Geology Map



★ Target Property (TP)

**Tamanend West  
LA-434  
Lacombe, Louisiana  
70445**



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

# GEOLOGY Report

## US GEOLOGY

THE GEOLOGY DATA USED IN THIS REPORT ORIGINATES FROM THE USGS. THE FIRST STAGE IN DEVELOPING STATE DATABASES FOR THE CONTERMINOUS UNITED STATES WAS TO ACQUIRE DIGITAL VERSIONS OF ALL EXISTING STATE GEOLOGIC MAPS. ALTHOUGH A SIGNIFICANT NUMBER OF DIGITAL STATE MAPS ALREADY EXISTED, A NUMBER OF STATES LACKED THEM. FOR THESE STATES NEW DIGITAL COMPILATIONS WERE PREPARED IN COOPERATION WITH STATE GEOLOGIC SURVEYS OR BY THE NSA (NATIONAL SURVEYS AND ANALYSIS) PROJECT. THESE NEW DIGITAL STATE GEOLOGIC MAPS AND DATABASES WERE CREATED BY DIGITIZING ALREADY EXISTING PRINTED MAPS, OR, IN A FEW CASES, BY MERGING EXISTING LARGER SCALE DIGITAL MAPS.

### GEOLOGY Definitions within Search Radius

GEOLOGY SYMBOL: **Qtp**

UNIT NAME: **PRAIRIE TERRACES**

UNIT AGE: **PHANEROZOIC | CENOZOIC | QUATERNARY | PLEISTOCENE**

UNIT DESCRIPTION:

**LIGHT GRAY TO LIGHT BROWN CLAY, SANDY CLAY, SILT, SAND, AND SOME GRAVELS.**

ADDITIONAL UNIT INFORMATION:

**SURFACES GENERALLY SHOW LITTLE DISSECTION AND ARE TOPOGRAPHICALLY HIGHER THAN THE DEWEYVILLE.**

**THREE LEVELS ARE RECOGNIZED:TWO ALONG ALLUVIAL VALLEYS, THE LOWER COALESCING WITH ITS BROAD COASTWISE EXPRESSION;THE THIRD, STILL LOWER, FOUND INTERMITTENTLY GU**

ROCKTYPE/S: **CLAY OR MUD; SILT; SAND; GRAVEL**





On time. On target. In touch.™

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## ***GeoPlus Water Well Report***

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[Satellite view](#)

*Target Property:*

***Tamanend West***

***LA-434***

***Lacombe, St. Tammany Parish, Louisiana 70445***

*Prepared For:*

***CK Associates***

***Order #: 65666***

***Job #: 142551***

***Date: 04/15/2016***

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<i>Environmental Records Definitions</i> . . . . .	13

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## Target Property Summary

### **Target Property Information**

*Tamanend West*

*LA-434*

*Lacombe, Louisiana 70445*

#### **Coordinates**

*Point (-89.892239, 30.384611)*

#### **USGS Quadrangle**

*Saint Tammany, LA*

### **Geographic Coverage Information**

**County/Parish:** St. Tammany (LA)

#### **ZipCode(s):**

Lacombe LA: 70445

Slidell LA: 70460

#### **Radon**

\* Target property is located in Radon Zone 3.

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).

## Database Radius Summary

### **FEDERAL LISTING**

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
NWIS	0.5000	0	0	0	1	NS	NS	1
SUB-TOTAL		0	0	0	1	0	0	1

## Database Radius Summary

### STATE (LA) LISTING

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
WW	0.5000	0	0	0	6	NS	NS	6

SUB-TOTAL		0	0	0	6	0	0	6
-----------	--	---	---	---	---	---	---	---

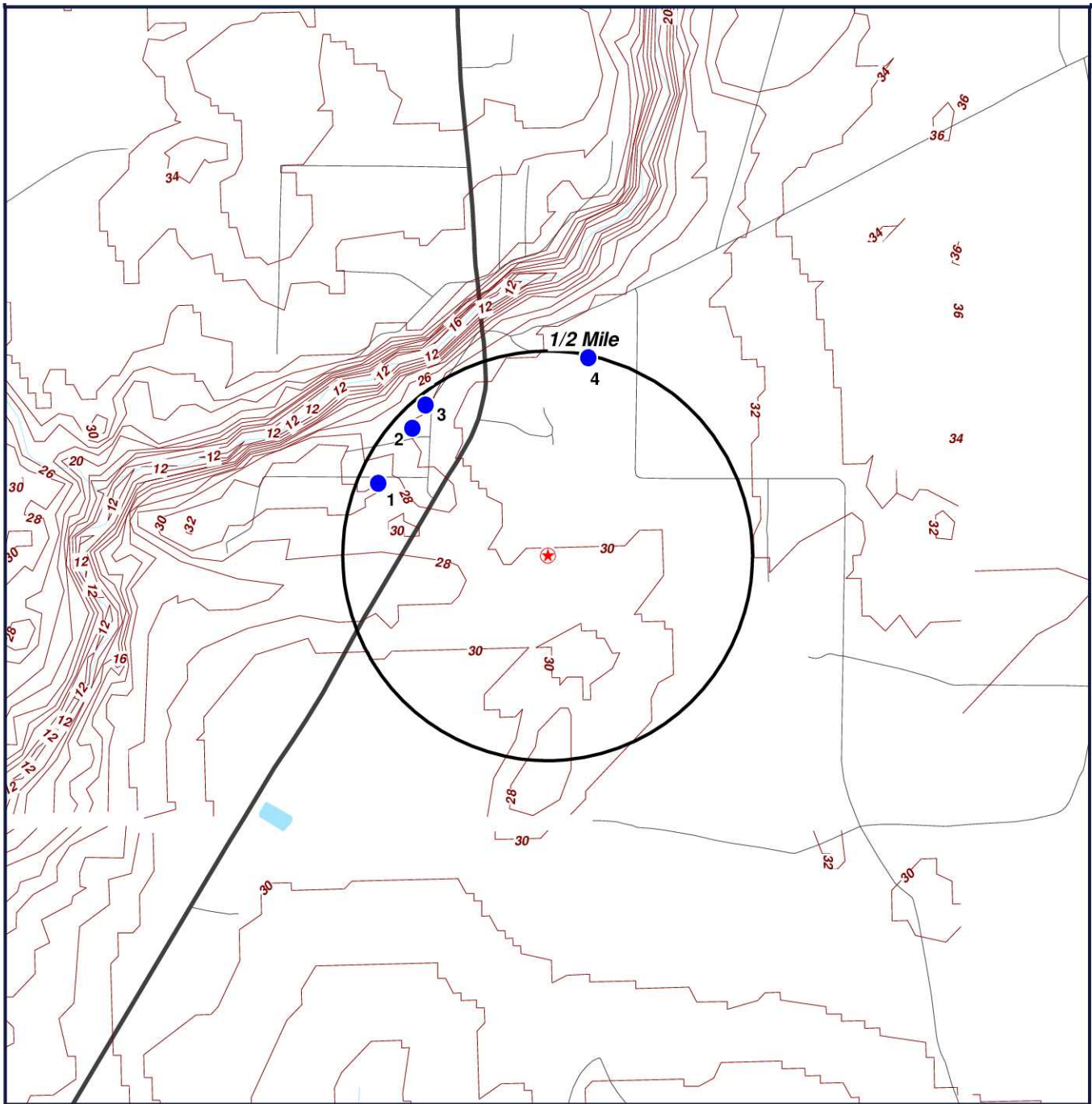
TOTAL		0	0	0	7	0	0	7
-------	--	---	---	---	---	---	---	---

#### NOTES:

NS = NOT SEARCHED

TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

## Waterwell Map



- ★ Target Property (TP)
- WW

**Tamanend West  
LA-434  
Lacombe, Louisiana  
70445**

CONTOUR LINES REPRESENTED IN FEET



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

## Located Sites Summary

Map ID#	Database Name	Site ID#	Distance From Site	Site Name	Address	PAGE #
<a href="#">1</a>	WW	302314089535701	0.451 mi. NW (2381 ft.)	GUIDROZ, T J	ST TAMMANY COUNTY, LACOMBE, LA 70445	<a href="#">6</a>
<a href="#">2</a>	WW	302321089535301	0.468 mi. NW (2471 ft.)	ADVANCED CONSTRUCTION	ST TAMMANY COUNTY, LACOMBE, LA 70445	<a href="#">7</a>
<a href="#">2</a>	WW	302321089535201	0.456 mi. NW (2408 ft.)	U S GEOL SURVEY	ST TAMMANY COUNTY, LACOMBE, LA 70445	<a href="#">8</a>
<a href="#">2</a>	NWIS	00796213	0.468 mi. NW (2471 ft.)	ST- 611		<a href="#">9</a>
<a href="#">2</a>	WW	302321089535202	0.456 mi. NW (2408 ft.)	MASON, WILLIAM	ST TAMMANY COUNTY, LACOMBE, LA 70445	<a href="#">10</a>
<a href="#">3</a>	WW	302324089535001	0.476 mi. NW (2513 ft.)	MASON, MARK	ST TAMMANY COUNTY, LACOMBE, LA 70445	<a href="#">11</a>
<a href="#">4</a>	WW	302330089532601	0.498 mi. N (2629 ft.)	FINNAN, FAY	ST TAMMANY COUNTY, LACOMBE, LA 70445	<a href="#">12</a>



## Louisiana Water Well Registry (WW)

[MAP ID# 1](#)

Distance from Property: 0.451 mi. (2,381 ft.) NW

ID NUMBER: **302314089535701**  
LOCAL WELL: **15541Z**  
PARISH NUM: **103**  
OWNER NAME: **GUIDROZ, T J**  
WELL USE: **DOMESTIC**  
USE DESCRIPTION: **DOMESTIC**  
DRILLER NAME: **CHABRECK**  
WELL STATUS: **ACTIVE**  
WELL DEPTH: **730**  
WATER LEVEL: **3.00**  
YIELD: **NOT REPORTED**  
HOLE DEPTH: **730**  
ELEVATION: **63**  
PLUGGED BY: **NOT REPORTED**  
DATE PLUGGED: **NOT REPORTED**  
DATE COMPLETED: **12/01**  
DRAWDOWN: **NOT REPORTED**  
CASING DIAMETER: **2**  
CASING MATERIAL: **PLASTIC**  
SCREEN DIAMETER: **2**  
SCREEN INTERVAL: **710-730**  
GEOLOGIC UNIT: **121PNCLL**  
QUAD NUM: **158A**  
TOWNSHIP/SECTION/RANGE: **07S 033 13E**  
LATITUDE: **30.387222220** LONGITUDE: **-89.899166670**

---

[Back to Report Summary](#)

## Louisiana Water Well Registry (WW)

**MAP ID# 2**

Distance from Property: 0.468 mi. (2,471 ft.) NW

ID NUMBER: **302321089535301**  
LOCAL WELL: **22598Z**  
PARISH NUM: **103**  
OWNER NAME: **ADVANCED CONSTRUCTION**  
WELL USE: **DOMESTIC**  
USE DESCRIPTION: **DOMESTIC**  
DRILLER NAME: **GROUND SOURCE TECHNOLOGY**  
WELL STATUS: **ACTIVE**  
WELL DEPTH: **730**  
WATER LEVEL: **1**  
YIELD: **NOT REPORTED**  
HOLE DEPTH: **730**  
ELEVATION: **0025**  
PLUGGED BY: **NOT REPORTED**  
DATE PLUGGED: **NOT REPORTED**  
DATE COMPLETED: **5/27/13**  
DRAWDOWN: **NOT REPORTED**  
CASING DIAMETER: **4**  
CASING MATERIAL: **PLASTIC**  
SCREEN DIAMETER: **2**  
SCREEN INTERVAL: **NOT REPORTED**  
GEOLOGIC UNIT: **121PNCLL**  
QUAD NUM: **158A**  
TOWNSHIP/SECTION/RANGE: **07S 033 13E**  
LATITUDE: **30.389166670** LONGITUDE: **-89.898055560**

---

[Back to Report Summary](#)

## Louisiana Water Well Registry (WW)

**MAP ID# 2**

Distance from Property: 0.456 mi. (2,408 ft.) NW

ID NUMBER: **302321089535201**  
LOCAL WELL: **611**  
PARISH NUM: **103**  
OWNER NAME: **U S GEOL SURVEY**  
WELL USE: **OBSERVATION**  
USE DESCRIPTION: **ABANDONED OBSERVATION**  
DRILLER NAME: **U.S.G.S.**  
WELL STATUS: **ACTIVE**  
WELL DEPTH: **24**  
WATER LEVEL: **10.05**  
YIELD: **NOT REPORTED**  
HOLE DEPTH: **33**  
ELEVATION: **28**  
PLUGGED BY: **NOT REPORTED**  
DATE PLUGGED: **NOT REPORTED**  
DATE COMPLETED: **11/68**  
DRAWDOWN: **NOT REPORTED**  
CASING DIAMETER: **1.25**  
CASING MATERIAL: **METAL**  
SCREEN DIAMETER: **1.25**  
SCREEN INTERVAL: **21-24**  
GEOLOGIC UNIT: **112UPTC**  
QUAD NUM: **158**  
TOWNSHIP/SECTION/RANGE: **07S 033 13E**  
LATITUDE: **30.389166670** LONGITUDE: **-89.897777780**

---

[Back to Report Summary](#)

# United States Geological Survey National Water Information System (NWIS)

[MAP ID# 2](#)

Distance from Property: 0.468 mi. (2,471 ft.) NW

REPORTING AGENCY: **US GEOLOGICAL SURVEY**

SITE NUMBER: **302321089535201**

STATION NAME: **ST- 611**

SITE TYPE: **WELL**

LATITUDE: **30.389360400**

LONGITUDE: **-89.897847600**

DATE DRILLED: **1968-11-08**

WELL DEPTH: **24.0 FEET**

HOLE DEPTH: **NOT REPORTED**

LOCAL AQUIFER: **GONZALES-NEW ORLEANS AQUIFER**

---

[Back to Report Summary](#)

## Louisiana Water Well Registry (WW)

**MAP ID# 2**

Distance from Property: 0.456 mi. (2,408 ft.) NW

ID NUMBER: **302321089535202**  
LOCAL WELL: **19159Z**  
PARISH NUM: **103**  
OWNER NAME: **MASON, WILLIAM**  
WELL USE: **DOMESTIC**  
USE DESCRIPTION: **DOMESTIC**  
DRILLER NAME: **STUCKEY'S**  
WELL STATUS: **ACTIVE**  
WELL DEPTH: **175**  
WATER LEVEL: **18.00**  
YIELD: **NOT REPORTED**  
HOLE DEPTH: **175**  
ELEVATION: **30**  
PLUGGED BY: **NOT REPORTED**  
DATE PLUGGED: **NOT REPORTED**  
DATE COMPLETED: **12/05**  
DRAWDOWN: **NOT REPORTED**  
CASING DIAMETER: **4X2**  
CASING MATERIAL: **PLASTIC**  
SCREEN DIAMETER: **2**  
SCREEN INTERVAL: **155-175**  
GEOLOGIC UNIT: **00000000**  
QUAD NUM: **158A**  
TOWNSHIP/SECTION/RANGE: **07S 033 13E**  
LATITUDE: **30.389166670** LONGITUDE: **-89.897777780**

---

[Back to Report Summary](#)

## Louisiana Water Well Registry (WW)

**MAP ID# 3**

Distance from Property: 0.476 mi. (2,513 ft.) NW

ID NUMBER: **302324089535001**  
LOCAL WELL: **19183Z**  
PARISH NUM: **103**  
OWNER NAME: **MASON, MARK**  
WELL USE: **DOMESTIC**  
USE DESCRIPTION: **DOMESTIC**  
DRILLER NAME: **CHABRECK**  
WELL STATUS: **ACTIVE**  
WELL DEPTH: **730**  
WATER LEVEL: **1.00**  
YIELD: **NOT REPORTED**  
HOLE DEPTH: **730**  
ELEVATION: **25**  
PLUGGED BY: **NOT REPORTED**  
DATE PLUGGED: **NOT REPORTED**  
DATE COMPLETED: **12/05**  
DRAWDOWN: **NOT REPORTED**  
CASING DIAMETER: **2**  
CASING MATERIAL: **PLASTIC**  
SCREEN DIAMETER: **2**  
SCREEN INTERVAL: **710-730**  
GEOLOGIC UNIT: **00000000**  
QUAD NUM: **158A**  
TOWNSHIP/SECTION/RANGE: **07S 033 13E**  
LATITUDE: **30.390000000** LONGITUDE: **-89.897222220**

---

[Back to Report Summary](#)

## Louisiana Water Well Registry (WW)

**MAP ID# 4**

Distance from Property: 0.498 mi. (2,629 ft.) N

ID NUMBER: **302330089532601**  
LOCAL WELL: **17276Z**  
PARISH NUM: **103**  
OWNER NAME: **FINNAN, FAY**  
WELL USE: **DOMESTIC**  
USE DESCRIPTION: **DOMESTIC**  
DRILLER NAME: **CHABRECK**  
WELL STATUS: **ACTIVE**  
WELL DEPTH: **690**  
WATER LEVEL: **7.00**  
YIELD: **NOT REPORTED**  
HOLE DEPTH: **690**  
ELEVATION: **30**  
PLUGGED BY: **NOT REPORTED**  
DATE PLUGGED: **NOT REPORTED**  
DATE COMPLETED: **01/04**  
DRAWDOWN: **NOT REPORTED**  
CASING DIAMETER: **2**  
CASING MATERIAL: **PLASTIC**  
SCREEN DIAMETER: **2**  
SCREEN INTERVAL: **670-690**  
GEOLOGIC UNIT: **00000000**  
QUAD NUM: **158A**  
TOWNSHIP/SECTION/RANGE: **07S 033 13E**  
LATITUDE: **30.391666670** LONGITUDE: **-89.890555560**

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[Back to Report Summary](#)

## ***Environmental Records Definitions - FEDERAL***

**NWIS**

United States Geological Survey National Water Information System

VERSION DATE: 05/14/15

This USGS National Water Information System database only includes groundwater wells. The USGS defines this well type as: A hole or shaft constructed in the earth intended to be used to locate, sample, or develop groundwater, oil, gas, or some other subsurface material. The diameter of a well is typically much smaller than the depth. Wells are also used to artificially recharge groundwater or to pressurize oil and gas production zones. Additional information about specific kinds of wells should be recorded under the secondary site types or the Use of Site field. Underground waste-disposal wells should be classified as waste-injection wells.



## ***Environmental Records Definitions - STATE (LA)***

**WW**

Louisiana Water Well Registry

VERSION DATE: 04/02/16

The Statewide Water Well Registration data file is maintained by the Louisiana Department of Natural Resources, Office of Conservation (DNR). This database includes wells registered with the Louisiana Department of Transportation and Development (DOTD), along with the Louisiana District of the United States Geological Survey, prior to March 1, 2010 and wells registered with the DNR after March 1, 2010. The information has been carefully prepared from the best available sources of data. It is intended for general informational purposes only and should not be considered authoritative for navigational, engineering, other site-specific uses, or any other uses. The DNR does not warrant or guarantee its accuracy, nor does DNR assume any responsibility or liability for any reliance thereon.



On time. On target. In touch.™

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## ***GeoPlus Oil & Gas Report***

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[Satellite view](#)

*Target Property:*

***Tamanend West***

***LA-434***

***Lacombe, St. Tammany Parish, Louisiana 70445***

*Prepared For:*

***CK Associates***

***Order #: 65666***

***Job #: 142552***

***Date: 04/15/2016***

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## Target Property Summary

### **Target Property Information**

Tamanend West

LA-434

Lacombe, Louisiana 70445

#### **Coordinates**

Point (-89.892239, 30.384611)

#### **USGS Quadrangle**

Saint Tammany, LA

### **Geographic Coverage Information**

**County/Parish:** St. Tammany (LA)

#### **ZipCode(s):**

Lacombe LA: 70445

Slidell LA: 70460

#### **Radon**

\* Target property is located in Radon Zone 3.

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).

## Database Radius Summary

### STATE (LA) LISTING

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
OG	0.5000	0	0	0	0	NS	NS	0

SUB-TOTAL		0	0	0	0	0	0	0
-----------	--	---	---	---	---	---	---	---

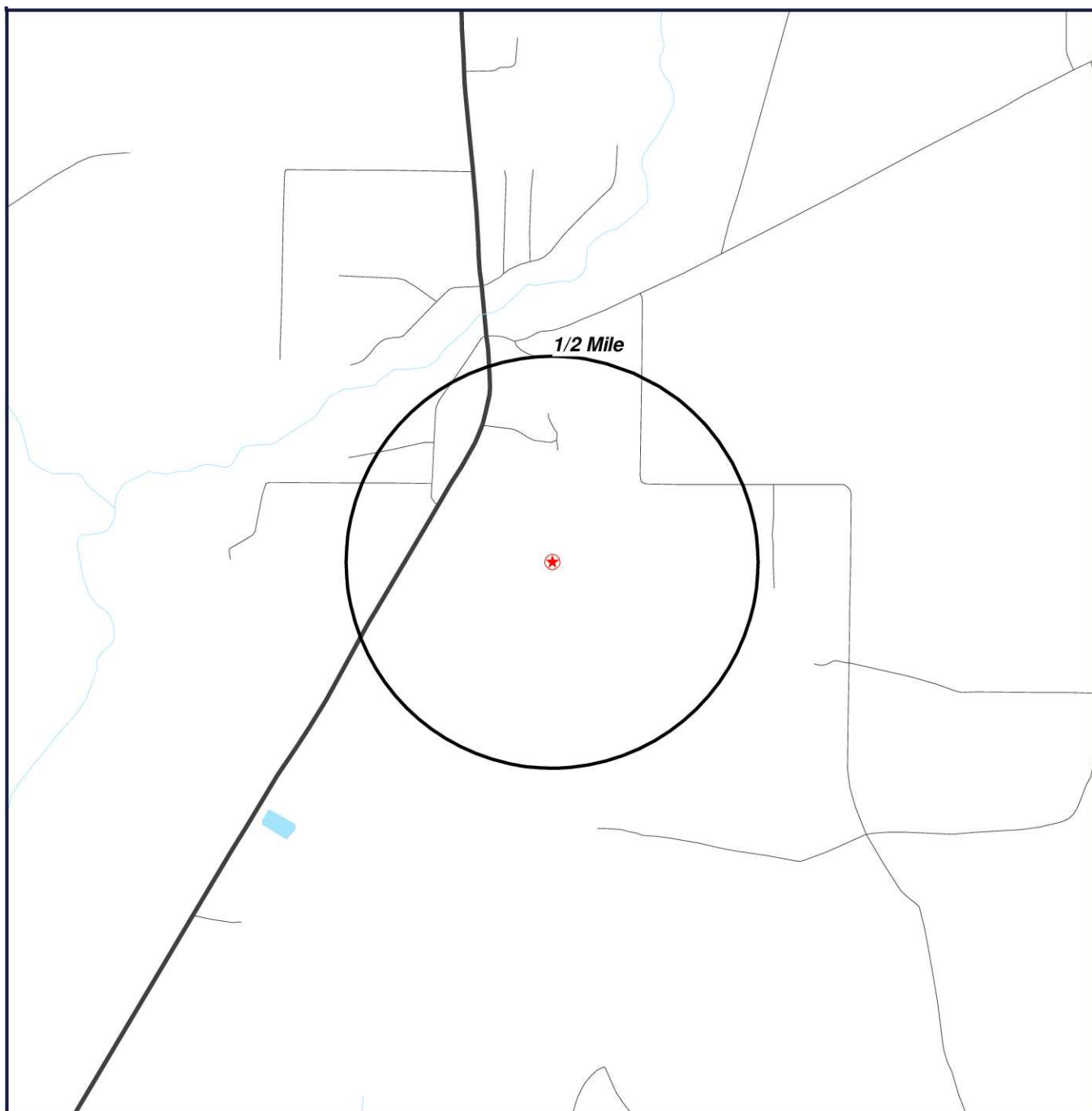
TOTAL		0	0	0	0	0	0	0
-------	--	---	---	---	---	---	---	---

#### NOTES:

NS = NOT SEARCHED

TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

# OIL & GAS MAP



★ Target Property (TP)

● Well Location

**Tamanend West  
LA-434  
Lacombe, Louisiana  
70445**



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

*Located Sites Summary*



## ***Environmental Records Definitions - STATE (LA)***

**OG**

Oil and Gas Wells

VERSION DATE: 03/05/16

This database contains over 230,000 permitted oil and gas wells and is maintained by the Louisiana Department of Natural Resources, Office of Conservation. The information has been carefully prepared from the best available sources of data. It is intended for general informational purposes only and should not be considered authoritative for navigational, engineering, other site-specific uses, or any other uses. The Louisiana Department of Natural Resources (DNR) does not warrant or guarantee its accuracy, nor does DNR assume any responsibility or liability for any reliance thereon.

## **APPENDIX B**

### **HISTORICAL AERIAL PHOTOGRAPHS**



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## ***Historical Aerials Package***

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<http://www.geo-search.net/QuickMap/index.htm?DataID=Standard0000142555>

*Click on link above to access the map and satellite view of current property*

*Target Property:*

***Tamanend West***

***LA-434***

***Lacombe, St. Tammany Parish, Louisiana 70445***

*Prepared For:*

***CK Associates***

***Order #: 65666***

***Job #: 142555***

***Date: 04/20/2016***

## TARGET PROPERTY SUMMARY

**Tamanend West**

**LA-434**

**Lacombe, St. Tammany Parish, Louisiana 70445**

USGS Quadrangle: **Saint Tammany, LA**

Target Property Geometry: **Point**

Target Property Longitude(s)/Latitude(s):

**(-89.892240, 30.384612)**

County/Parish Covered:

**St. Tammany (LA)**

Zipcode(s) Covered:

**Lacombe LA: 70445**

**Slidell LA: 70460**

State(s) Covered:

**LA**

**\*Target property is located in Radon Zone 3.**

**Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).**

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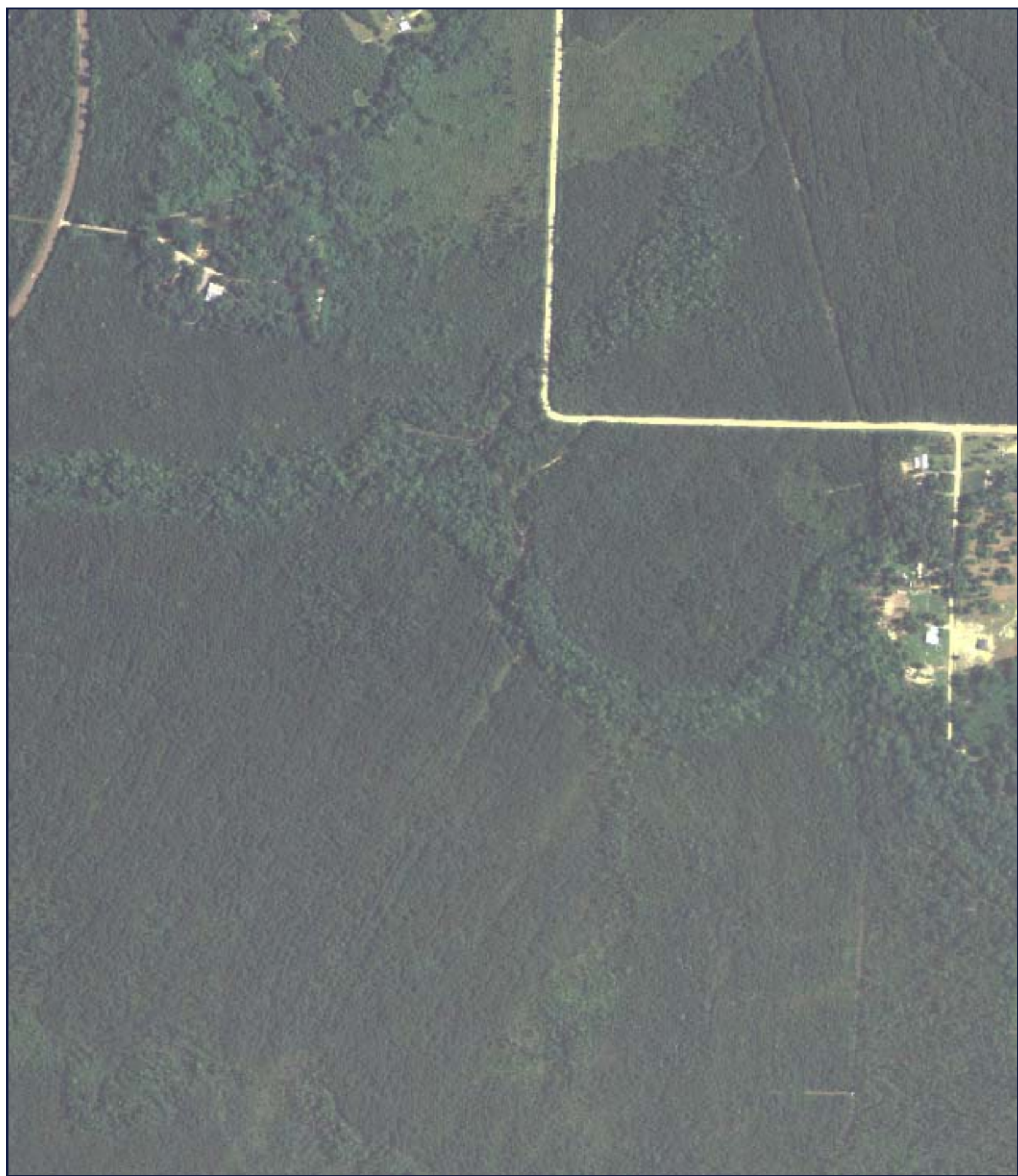


JOB #: 142555 - 4/18/2016

**SITE:** TAMANEND WEST  
**SOURCE:** USDA  
**DATE:** 2015  
**COUNTY:** ST. TAMMANY PARISH, LA  
**SCALE:** 1" = 500'

**GeoSearch**





JOB #: 142555 - 4/18/2016

**SITE:** TAMANEND WEST  
**SOURCE:** USDA  
**DATE:** 2005  
**COUNTY:** ST. TAMMANY PARISH, LA  
**SCALE:** 1" = 500'

**GeoSearch**





JOB #: 142555 - 4/18/2016

**SITE:** TAMANEND WEST  
**SOURCE:** LOSCO  
**DATE:** 01/24/1998  
**COUNTY:** ST. TAMMANY PARISH, LA  
**SCALE:** 1" = 500'

**GeoSearch**





JOB #: 142555 - 4/18/2016

**SITE:** TAMANEND WEST  
**SOURCE:** USGS  
**DATE:** 10/25/1989  
**COUNTY:** ST. TAMMANY PARISH, LA  
**SCALE:** 1" = 1320'

**GeoSearch**





JOB #: 142555 - 4/18/2016

**SITE:** TAMANEND WEST  
**SOURCE:** USGS  
**DATE:** 03/06/1983  
**COUNTY:** ST. TAMMANY PARISH, LA  
**SCALE:** 1" = 1320'

**GeoSearch**





JOB #: 142555 - 4/18/2016

**SITE:** TAMANEND WEST  
**SOURCE:** USGS  
**DATE:** 02/05/1978  
**COUNTY:** ST. TAMMANY PARISH, LA  
**SCALE:** 1" = 500'

**GeoSearch**





JOB #: 142555 - 4/18/2016

**SITE:** TAMANEND WEST  
**SOURCE:** USGS  
**DATE:** 03/19/1969  
**COUNTY:** ST. TAMMANY PARISH, LA  
**SCALE:** 1" = 500'

**GeoSearch**





JOB #: 142555 - 4/20/2016

**SITE:** TAMANEND WEST  
**SOURCE:** ASCS  
**DATE:** 04/28/1959  
**COUNTY:** ST. TAMMANY PARISH, LA  
**SCALE:** 1" = 500'

**GeoSearch**





JOB #: 142555 - 4/18/2016

**SITE:** TAMANEND WEST  
**SOURCE:** AMS  
**DATE:** 05/14/1952  
**COUNTY:** ST. TAMMANY PARISH, LA  
**SCALE:** 1" = 500'

**GeoSearch**

## **APPENDIX C**

### **HISTORICAL TOPOGRAPHIC MAPS**



---

## ***Historical Topographic Maps***

---

<http://www.geo-search.net/QuickMap/index.htm?DataID=Standard0000142550>

*Click on link above to access the map and satellite view of current property*

*Target Property:*

***Tamanend West***

***LA-434***

***Lacombe, St. Tammany Parish, Louisiana 70445***

*Prepared For:*

***CK Associates***

***Order #: 65666***

***Job #: 142550***

***Date: 04/14/2016***

## TARGET PROPERTY SUMMARY

**Tamanend West**

**LA-434**

**Lacombe, St. Tammany Parish, Louisiana 70445**

USGS Quadrangle: **Saint Tammany, LA**

Target Property Geometry: **Point**

Target Property Longitude(s)/Latitude(s):

**(-89.892240, 30.384612)**

County/Parish Covered:

**St. Tammany (LA)**

Zipcode(s) Covered:

**Lacombe LA: 70445**

**Slidell LA: 70460**

State(s) Covered:

**LA**

**\*Target property is located in Radon Zone 3.**

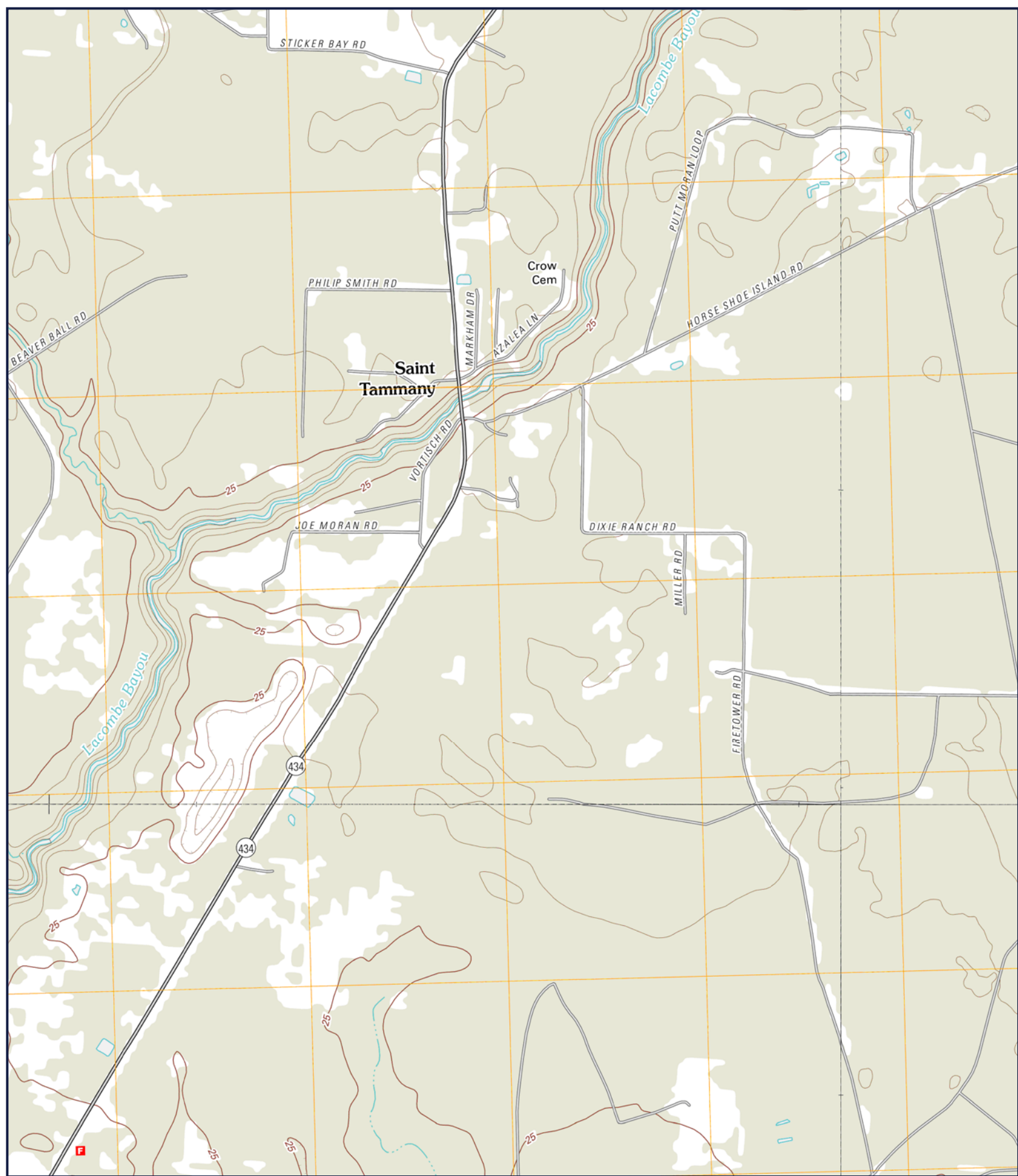
**Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).**

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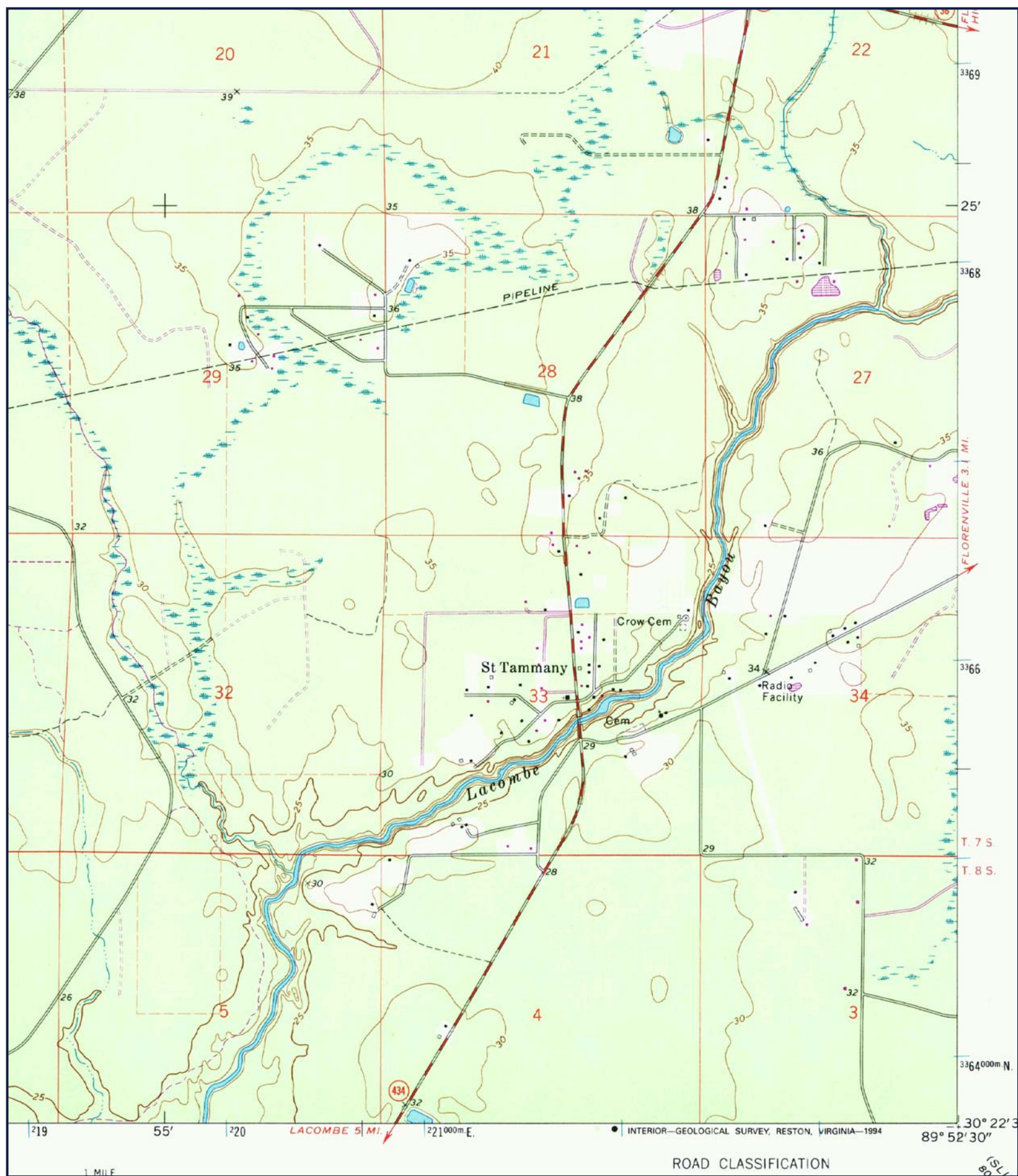




JOB #: 142550 - 4/14/2016

**SITE: TAMANEND WEST**  
**QUAD: SAINT TAMMANY, LA**  
**DATE: 2012**  
**SCALE: 1:24,000**

**GeoSearch**

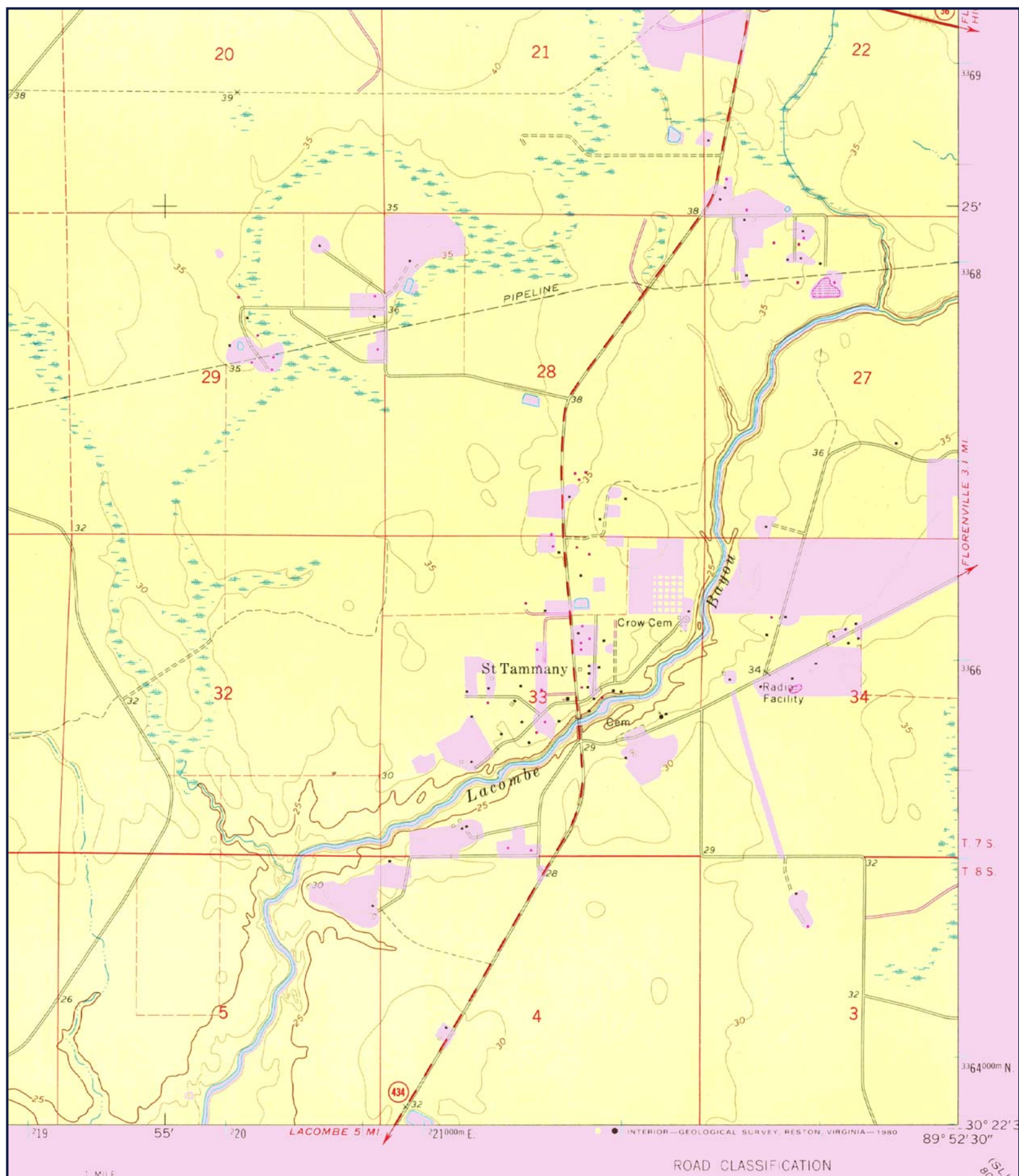


**SITE: TAMANEND WEST**  
**QUAD: SAINT TAMMANY, LA**  
**DATE: 1970 REVISED 1994**  
**SCALE: 1:24,000**

JOB #: 142550 - 4/14/2016

**GeoSearch**





JOB #: 142550 - 4/14/2016

**SITE: TAMANEND WEST**  
**QUAD: SAINT TAMMANY, LA**  
**DATE: 1970 PHOTOREVISED 1979**  
**SCALE: 1:24,000**

**GeoSearch**





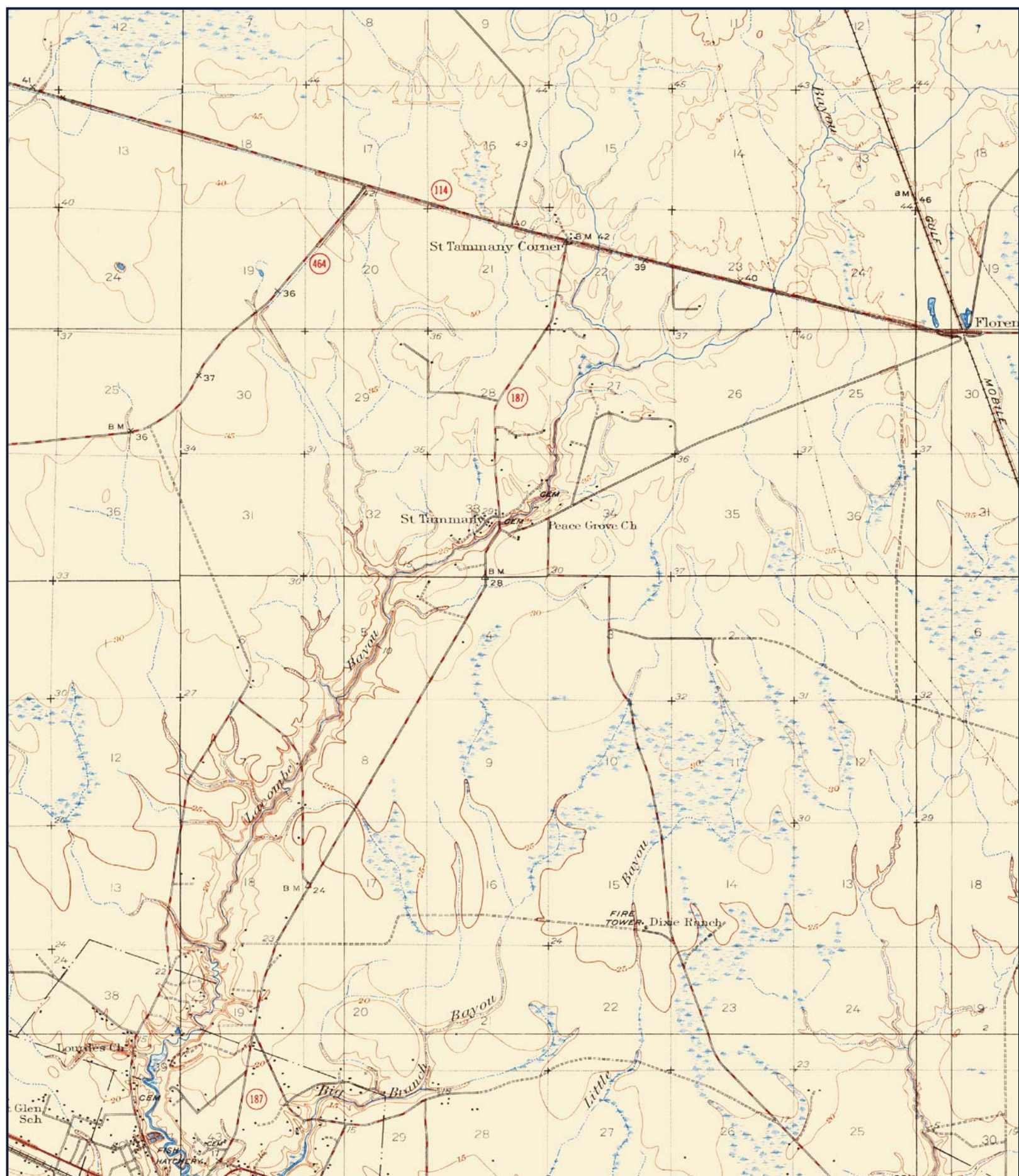
**GeoSearch**





**GeoSearch**





**SITE: TAMANEND WEST**  
**QUAD: SLIDELL, LA**  
**DATE: 1935**  
**SCALE: 1:62,500**

**GeoSearch**

## **APPENDIX D**

### **FIRE INSURANCE MAP REPORT**



**Date:** 04/14/16

**GS Job Number:** 65666

**Company Name:** CK Associates

**Project Number:**

**Site Information:** Tamanend West  
LA-434, St. Tammany Parish, Lacombe, Louisiana, 70445

The collections of fire insurance maps listed below were reviewed according to the site information supplied by client. Based on the information provided, no coverage is available.

Library of Congress  
University Publications of America  
Other Libraries (universities, state, local, etc.).

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## **APPENDIX E**

### **CITY DIRECTORY ABSTRACT**

---

## ***City Directory Standard Report***

---

***Target Property:***

*Highway 434,  
Lacombe, LA 70460*

***Prepared For:***  
*CK Associates*

Order #: 65666

***Date: 4/18/2016***

## City Directory Standard Report

Highway 434, Lacombe, LA 70460

InfoUSA

South Central

2016

### Highway 434

64491	RAY WILLIAMS	
64491	WILLIAMS RAYMOND SR	
65278	ST TAMMANY PARISH CORONERS	
65301	FILL MATERIALS	
65305	SMITH LAURIE	
66120	D'ANTONIO HYACINTH	#1
66120	MORA GINA	#7
66356	HANSON CHRISTOPHER	
66388	CARO FLOYD	
66394	ARSENAUX DALE	
66394	HICKMAN KENNETH	
66402	CHRISTENSEN GREGORY	
66424	CARO EDWIN	
66514	MATZKE BRANDT	

R.L. Polk & Co.

Saint Tammany  
Parish

2011

### Highway 434

64491	RAY WILLIAMS	
64491	WILLIAMS RAYMOND B SR & MARCIA S	
65301	FILL MATERIALS (FILL CONTRACTORS)	
65305	NO CURRENT LISTING	
65305	X [HORSE SHOE ISLAND RD CONTINUES]	
65305	Y [STATE HWY 434 INTS]	
65305	Z [VORTISCH RD ENDS]	
66120	ALLEMAND WILMA A	
66120	GALLO GINA	
66120	X [AZALEA LN INTS]	
66120	Y [OLD KELLER RD ENDS]	
66120	YOTHER AUDREY E	
66120	Z [AZALEA LN CONTINUES]	

888-396-0042

[www.geo-search.com](http://www.geo-search.com)

## City Directory Standard Report

Highway 434, Lacombe, LA 70460

66317	DWYER GEORGIA A
66356	HANSON CHRISTOPHER W & RHONDA D
66388	CARO FLOYD A
66394	ARSENAUX DALE
66394	ARSENAUX PAMELA A
66394	X [PHILIP SMITH RD INTS]
66394	Y [PHILIP SMITH RD CONTINUES]
66402	SPINKS BRANDI
66424	CARO EDWIN J
66436	NO CURRENT LISTING
66555	NO CURRENT LISTING
66555	X [STATE HWY 434 BEGINS]

Haines Directory

New Orleans East 2006

### Highway 434

64491	WILLIAMS RAYMOND B SR
65301	FILL MATERIALS
65315	VENTURA RIGOBERTO
65390	MILLER LLOYD
65390	X [HICKORY HWY INTS]
66120	ALLEMAND WILMA
66120	D'ANTONIO HYACINTH
66120	YOTHER AUDREY
66120	YOTHER GENEVA F
66317	DWYER GEORGIA
66356	HANSEN RHONDA
66388	CARO FLOYD A
66394	HICKMAN KENNETH
66402	CHRISENSEN GREGORY
66424	CARO EDWIN JOSEPH
66513	SPENCER IMALETA

Haines Directory

## City Directory Standard Report

Highway 434, Lacombe, LA 70460

New Orleans East 2001

### Highway 434

64033	PAVESTONE COMPANY
65301	FILL MATERIALS
65315	ANDERSON CINDY
65455	HARDY NORMAN
66120	APARTMENTS
66317	DWYER GEORGIA
66388	CARO FLOYD A
66402	CHRISTENSEN GREGORY
66424	CARO EDWIN JOSEPH
66513	SPENCER IMALETA

Haines Directory

New Orleans 1996

### Highway 434

64105	FRITO LAY INC
65301	FILL MATERIALS
65315	ANDERSON CINDY
65390	NO CURRENT LISTING
66120	DANTONIO HYACINTH J
66120	HOLLANDER CARL E
66120	NATA JIMMY
66120	YOTHER GENEVA F
66280	NO CURRENT LISTING
66313	NO CURRENT LISTING
66317	DWYER GEORGIA
66388	CARO FLOYD A
66394	NO CURRENT LISTING
66402	KELLER BEN E
66412	GUIDRY E D
66424	CARO EDWIN JOSEPH
66513	SPENCER IMALETA

Haines Directory

New Orleans 1991

### Highway 434

63124	HENRY JACK JR
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## ***City Directory Standard Report***

***Highway 434, Lacombe, LA 70460***

66120	APARTMENTS
66280	NUNEZ MARGIE
66317	DWYER GEORGIA
66394	GOMEZ EDWARD J MRS
66412	GUIDRY E D
66424	CARO ALVIN
66528	BEAUGEZ GERALD J

Haines Directory

New Orleans

1986

**Highway 434**

ADDRESS RANGE NOT LISTED

Haines Directory

New Orleans

1981

**Highway 434**

STREET NOT LISTED

**Comment:** Firetower Rd was also researched but not listed in any directories.

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## ***City Directory Target Property Address***

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***Target Property:***

*Highway 434,  
Lacombe, LA 70460*

***Prepared For:***  
*CK Associates*

Order #: 65666

***Date: 4/18/2016***

## City Directory Target Property Address

Highway 434, Lacombe, LA 70460

### Highway 434

1986	ADDRESS RANGE NOT LISTED	Haines Directory	New Orleans
1981	STREET NOT LISTED	Haines Directory	New Orleans

### 63124 Highway 434

1991	HENRY JACK JR	Haines Directory	New Orleans
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### 64033 Highway 434

2001	PAVESTONE COMPANY	Haines Directory	New Orleans East
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### 64105 Highway 434

1996	FRITO LAY INC	Haines Directory	New Orleans
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### 64491 Highway 434

2016	RAY WILLIAMS	InfoUSA	South Central
2016	WILLIAMS RAYMOND SR	InfoUSA	South Central
2011	RAY WILLIAMS	R.L. Polk & Co.	Saint Tammany Parish
2011	WILLIAMS RAYMOND B SR & MARCIA S	R.L. Polk & Co.	Saint Tammany Parish
2006	WILLIAMS RAYMOND B SR	Haines Directory	New Orleans East

### 65278 Highway 434

2016	ST TAMMANY PARISH CORONERS	InfoUSA	South Central
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### 65301 Highway 434

2016	FILL MATERIALS	InfoUSA	South Central
2011	FILL MATERIALS (FILL CONTRACTORS)	R.L. Polk & Co.	Saint Tammany Parish
2006	FILL MATERIALS	Haines Directory	New Orleans East
2001	FILL MATERIALS	Haines Directory	New Orleans East
1996	FILL MATERIALS	Haines Directory	New Orleans

### 65305 Highway 434

2016	SMITH LAURIE	InfoUSA	South Central
2011	NO CURRENT LISTING	R.L. Polk & Co.	Saint Tammany Parish
2011	X [HORSE SHOE ISLAND RD CONTINUES]	R.L. Polk & Co.	Saint Tammany Parish
2011	Y [STATE HWY 434 INTS]	R.L. Polk & Co.	Saint Tammany Parish



**City Directory Target Property Address****Highway 434, Lacombe, LA 70460**

2011	Z [VORTISCH RD ENDS]		R.L. Polk & Co.	Saint Tammany Parish
<u>65315 Highway 434</u>				
2006	VENTURA RIGOBERTO		Haines Directory	New Orleans East
2001	ANDERSON CINDY		Haines Directory	New Orleans East
1996	ANDERSON CINDY		Haines Directory	New Orleans
<u>65390 Highway 434</u>				
2006	MILLER LLOYD		Haines Directory	New Orleans East
2006	X [HICKORY HWY INTS]		Haines Directory	New Orleans East
1996	NO CURRENT LISTING		Haines Directory	New Orleans
<u>65455 Highway 434</u>				
2001	HARDY NORMAN		Haines Directory	New Orleans East
<u>66120 Highway 434</u>				
2016	D'ANTONIO HYACINTH	#1	InfoUSA	South Central
2016	MORA GINA	#7	InfoUSA	South Central
2011	ALLEMAND WILMA A		R.L. Polk & Co.	Saint Tammany Parish
2011	GALLO GINA		R.L. Polk & Co.	Saint Tammany Parish
2011	X [AZALEA LN INTS]		R.L. Polk & Co.	Saint Tammany Parish
2011	Y [OLD KELLER RD ENDS]		R.L. Polk & Co.	Saint Tammany Parish
2011	YOTHER AUDREY E		R.L. Polk & Co.	Saint Tammany Parish
2011	Z [AZALEA LN CONTINUES]		R.L. Polk & Co.	Saint Tammany Parish
2006	ALLEMAND WILMA		Haines Directory	New Orleans East
2006	D'ANTONIO HYACINTH		Haines Directory	New Orleans East
2006	YOTHER AUDREY		Haines Directory	New Orleans East
2006	YOTHER GENEVA F		Haines Directory	New Orleans East
2001	APARTMENTS		Haines Directory	New Orleans East
1996	DANTONIO HYACINTH J		Haines Directory	New Orleans
1996	HOLLANDER CARL E		Haines Directory	New Orleans
1996	NATA JIMMY		Haines Directory	New Orleans
1996	YOTHER GENEVA F		Haines Directory	New Orleans

**City Directory Target Property Address****Highway 434, Lacombe, LA 70460**

1991	APARTMENTS	Haines Directory	New Orleans
<u>66280 Highway 434</u>			
1996	NO CURRENT LISTING	Haines Directory	New Orleans
1991	NUNEZ MARGIE	Haines Directory	New Orleans
<u>66313 Highway 434</u>			
1996	NO CURRENT LISTING	Haines Directory	New Orleans
<u>66317 Highway 434</u>			
2011	DWYER GEORGIA A	R.L. Polk & Co.	Saint Tammany Parish
2006	DWYER GEORGIA	Haines Directory	New Orleans East
2001	DWYER GEORGIA	Haines Directory	New Orleans East
1996	DWYER GEORGIA	Haines Directory	New Orleans
1991	DWYER GEORGIA	Haines Directory	New Orleans
<u>66356 Highway 434</u>			
2016	HANSON CHRISTOPHER	InfoUSA	South Central
2011	HANSON CHRISTOPHER W & RHONDA D	R.L. Polk & Co.	Saint Tammany Parish
2006	HANSEN RHONDA	Haines Directory	New Orleans East
<u>66388 Highway 434</u>			
2016	CARO FLOYD	InfoUSA	South Central
2011	CARO FLOYD A	R.L. Polk & Co.	Saint Tammany Parish
2006	CARO FLOYD A	Haines Directory	New Orleans East
2001	CARO FLOYD A	Haines Directory	New Orleans East
1996	CARO FLOYD A	Haines Directory	New Orleans
<u>66394 Highway 434</u>			
2016	ARSENAUX DALE	InfoUSA	South Central
2016	HICKMAN KENNETH	InfoUSA	South Central
2011	ARSENAUX DALE	R.L. Polk & Co.	Saint Tammany Parish
2011	ARSENAUX PAMELA A	R.L. Polk & Co.	Saint Tammany Parish
2011	X [PHILIP SMITH RD INTS]	R.L. Polk & Co.	Saint Tammany Parish
2011	Y [PHILIP SMITH RD CONTINUES]	R.L. Polk & Co.	Saint Tammany Parish

**City Directory Target Property Address****Highway 434, Lacombe, LA 70460**

2006	HICKMAN KENNETH	Haines Directory	New Orleans East
1996	NO CURRENT LISTING	Haines Directory	New Orleans
1991	GOMEZ EDWARD J MRS	Haines Directory	New Orleans

**66402 Highway 434**

2016	CHRISTENSEN GREGORY	InfoUSA	South Central
2011	SPINKS BRANDI	R.L. Polk & Co.	Saint Tammany Parish
2006	CHRISENSEN GREGORY	Haines Directory	New Orleans East
2001	CHRISTENSEN GREGORY	Haines Directory	New Orleans East
1996	KELLER BEN E	Haines Directory	New Orleans

**66412 Highway 434**

1996	GUIDRY E D	Haines Directory	New Orleans
1991	GUIDRY E D	Haines Directory	New Orleans

**66424 Highway 434**

2016	CARO EDWIN	InfoUSA	South Central
2011	CARO EDWIN J	R.L. Polk & Co.	Saint Tammany Parish
2006	CARO EDWIN JOSEPH	Haines Directory	New Orleans East
2001	CARO EDWIN JOSEPH	Haines Directory	New Orleans East
1996	CARO EDWIN JOSEPH	Haines Directory	New Orleans
1991	CARO ALVIN	Haines Directory	New Orleans

**66436 Highway 434**

2011	NO CURRENT LISTING	R.L. Polk & Co.	Saint Tammany Parish
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**66513 Highway 434**

2006	SPENCER IMALETA	Haines Directory	New Orleans East
2001	SPENCER IMALETA	Haines Directory	New Orleans East
1996	SPENCER IMALETA	Haines Directory	New Orleans

**66514 Highway 434**

2016	MATZKE BRANDT	InfoUSA	South Central
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**66528 Highway 434**

1991	BEAUGEZ GERALD J	Haines Directory	New Orleans
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***City Directory Target Property Address***

***Highway 434, Lacombe, LA 70460***

66555 Highway 434

2011	NO CURRENT LISTING	R.L. Polk & Co.	Saint Tammany Parish
2011	X [STATE HWY 434 BEGINS]	R.L. Polk & Co.	Saint Tammany Parish

**Comment:** Firetower Rd was also researched but not listed in any directories.

## **APPENDIX F**

### **PHOTOGRAPHS FROM SITE RECONNAISSANCE**

SITE RECONNAISSANCE PHOTOS



Southwest corner facing north



Southwest corner facing east



SITE RECONNAISSANCE PHOTOS



Southeast corner facing north



Southeast corner facing west



SITE RECONNAISSANCE PHOTOS



Cleared right-of-way facing west



Cleared right-of-way facing east



## SITE RECONNAISSANCE PHOTOS



Typical view of woods



Typical wet area



SITE RECONNAISSANCE PHOTOS



Central west boundary facing south



Central west boundary facing north

**APPENDIX G**

**QUESTIONNAIRES**

Site Name and Address: TAMALIGID BUSINESS PARK EAST & WEST  
HWY 434  
ST. TAMMANY PARISH, LA

### OWNER QUESTIONNAIRE

Please indicate YES or NO for the following questions, using the back of this page for further explanation. Attach additional pages as necessary.

- |   |     |                                     |
|---|-----|-------------------------------------|
| 1. Are you aware of the current or past existence of any underground storage tanks or above ground storage tanks on the site?   | YES | <input checked="" type="radio"/> NO |
| 2. Do you know of any fill dirt that has been brought onto the property that originated from a contaminated site?   | YES | <input checked="" type="radio"/> NO |
| 3. Are there, or have there been, any pits, ponds, or lagoons on the site in connection with waste treatment or waste disposal?   | YES | <input checked="" type="radio"/> NO |
| 4. Is the property served by a private water well or a non-public water system?   | YES | <input checked="" type="radio"/> NO |
| 5. Does the property discharge waste water, on or adjacent to the property, other than storm water, into a stormwater sewer system or into a sanitary sewer system?   | YES | <input checked="" type="radio"/> NO |
| 6. Do you have any knowledge that any hazardous substances, petroleum products, unidentified waste materials, tires, or batteries have been dumped, buried, or burned on the property?                              | YES | <input checked="" type="radio"/> NO |
| 7. Are you aware of the existence of any of the following documents? Are they available for review?   | YES | <input checked="" type="radio"/> NO |
| a. ESA reports  | YES | <input checked="" type="radio"/> NO |
| b. Environmental compliance audit reports   | YES | <input checked="" type="radio"/> NO |
| c. Environmental permits  | YES | <input checked="" type="radio"/> NO |
| d. Registrations for USTs or ASTs   | YES | <input checked="" type="radio"/> NO |
| e. Registrations for underground injection systems  | YES | <input checked="" type="radio"/> NO |
| f. Material safety data sheets  | YES | <input checked="" type="radio"/> NO |
| g. Community right-to-know plan   | YES | <input checked="" type="radio"/> NO |
| h. Safety plans, preparedness and prevention plans, SPCC plans  | YES | <input checked="" type="radio"/> NO |
| i. Reports regarding hydrogeologic conditions on the property or surrounding area   | YES | <input checked="" type="radio"/> NO |
| j. Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property | YES | <input checked="" type="radio"/> NO |
| k. Hazardous waste generator notices or reports   | YES | <input checked="" type="radio"/> NO |
| l. Geotechnical studies   | YES | <input checked="" type="radio"/> NO |
| m. Risk assessments   | YES | <input checked="" type="radio"/> NO |
| n. Recorded AULs  | YES | <input checked="" type="radio"/> NO |
| 8. Do you know of any pending, threatened or past litigation relevant to hazardous substances or petroleum products in, on or from the property?  | YES | <input checked="" type="radio"/> NO |
| 9. Do you know of any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property?  | YES | <input checked="" type="radio"/> NO |
| 10. Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?                    | YES | <input checked="" type="radio"/> NO |

Printed Name: SCOTT GILBERT WENDELANDER HR COMPANY

Relation to the Site: OWNER

Signature: SCOTT GILBERT

Date: 4/21/14



Site Name and Address: TAMMAMOND BUSINESS PARK EAST & WEST  
HWY 434  
ST. TAMMAMOND PARK, LA

### USER QUESTIONNAIRE

Please indicate YES or NO for the following questions, using the back of this page for further explanation. Attach additional pages as necessary.

1. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? YES ☒ NO
2. Are you aware of any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? [AULs are legal or physical restrictions or limitations on the use of, or access to, a site or facility to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the property. Engineering controls are physical modifications to a site or facility to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or groundwater on the property. Institutional controls are legal or administrative restrictions (such as deed restrictions, easements, or zoning) on the use of, or access to, a site or facility to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the property]. YES ☒ NO
3. As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? YES ☒ NO
4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? YES NO N/A
5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,
  - a. Do you know the past uses of the property? YES ☒ NO
  - b. Do you know of specific chemicals that are present or once were present at the property? YES ☒ NO
  - c. Do you know of spills or other chemical releases that have taken place at the property? YES ☒ NO
  - d. Do you know of any environmental cleanups that have taken place at the property?
6. As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property? YES ☒ NO
7. Is the Phase I report required by a lending institution? If not, please explain reason. YES ☒ NO
8. Will a lending institution be relying upon the findings of the Phase I report? If so, please provide contact information for lending institution. YES NO N/A

Printed Name: SCOTT GILBERT, WYCKENWISER NE COMPANY

Relation to the Site: OWNER

Signature: SCOTT GILBERT

Date: 4/21/14

5a.: PAST USE OF THE PROPERTY HAS BEEN FORESTRY

## **APPENDIX H**

### **RESUME OF ENVIRONMENTAL PROFESSIONAL**





**JENNIFER A. LINDQUIST, P.G.**

Senior Environmental Scientist

## **RESUME**

### **AREAS OF EXPERTISE**

- Risk Assessment/Corrective Action Program (RECAP)
- Environmental Site Assessments
- Soil and Groundwater Remediation
- Site Investigations
- Solid Waste and Wastewater Permit Applications

### **YEARS OF EXPERIENCE**

23

### **PROJECT SITES**

LA, MS, TX, MS, FL

### **EDUCATION**

M.S., Environmental Science, Washington State University, 1993

B.S., Environmental Science/Geology, Long Island University, 1991

### **CERTIFICATIONS AND TRAINING**

Professional Geologist, Louisiana #148

Professional Geologist, Texas #10842

Registered Professional Geologist, Mississippi #0836

Asbestos and Lead Inspector, Louisiana, AI#156793

Quality Project and Program Management, USEPA – 2011

Phase I and Phase II ESA for Commercial Real Estate, ASTM – 2007

Managing Federal Grants and Cooperative Agreements for Recipients, Management Concepts – 2000

### **EXPERIENCE**

Ms. Lindquist is a licensed professional geologist (LA, MS, & TX) with CK's Risk Assessment and Remediation team. Ms. Lindquist has over 20 years' experience in the environmental field conducting research, regulatory compliance and enforcement, planning, coordination, and consulting services on federal and state regulatory compliance issues for numerous governmental and private clients in several states.

Ms. Lindquist has managed hundreds of Phase I and Phase II environmental site assessments and environmental risk evaluations, evaluated the results in accordance with regulatory standards, and prepared site investigation reports in order to determine additional assessment requirements (contaminant delineation), closure requirements, remediation requirements and cost estimates, and associated regulatory agency coordination and notification requirements. Ms. Lindquist has extensive laboratory experience and is familiar with required sampling and analytical methodologies.

Ms. Lindquist has experience planning, implementing, and evaluating the results of sediment sampling and analyses in accordance with RECAP as well as EPA and US Army Corps of Engineers guidance including the *Evaluation of Dredged Material Proposed for Ocean Disposal* (Green Book), the Inland Testing Manual, and the Upland Testing Manual.

Ms. Lindquist is a licensed asbestos and lead inspector in Louisiana, and has conducted numerous asbestos-containing material and lead-based paint inspections and prepared investigation reports in accordance with regulatory guidance.

### **PROJECT HIGHLIGHTS**

- **Various Pipeline Companies, Mississippi (2014-2015)** - Managed the soil, groundwater, and surface water data evaluation from sampling after petroleum pipeline releases in Mississippi. Coordinated with state regulatory agencies to determine closure requirements.

- **Haywilk Property, Harvey, Louisiana (2012)** - Managed VRP RECAP site investigation under EPA's Brownfields program to quantify Recognized Environmental Conditions (REC) associated with former uses of a metal galvanizing facility. Conducted a RECAP evaluation to calculate site-specific cleanup standards for soil and groundwater.
- **USEPA Region 6 Galveston, Texas (2012)** - Prepared a Quality Management Plan and Quality Assurance Project Plan, conducted sampling, managed analytical laboratory and subsequent data evaluation of surface water and sediment samples of dioxins/furans, metals and semivolatile organic compounds down current of the Galveston Ocean Dredged Material Disposal Sites (ODMDS) in accordance with *Evaluation of Dredged Material Proposed for Ocean Disposal - Testing Manual*.
- **Dugas & Leblanc, South Louisiana (2012-2014)** - Provided technical support, sampling oversight, and agency coordination associated with oil well blowout cleanup activities in South Louisiana.
- **US Army Corps of Engineers, Jacksonville District, Tamiami Trail, Miami Dade County, Florida (2010)** - Managed and executed vibrocore sampling and laboratory analysis of sediment samples and the subsequent data reporting of sediment samples collected adjacent to a portion of U.S. Highway 41, commonly referred to as the Tamiami Trail, which connects Tampa and Miami. Data were evaluated against the appropriate standards, and recommendations for further action regarding elevated metals were developed.
- **Jefferson Lake Canal, Sulphur, Louisiana (2009)** - Managed ESA and RECAP site investigations under EPA's Brownfields program to characterize RECs associated with former uses of the property. Conducted a RECAP evaluation to calculate site-specific cleanup standards for soil, groundwater and sediment.
- **US Army Corps of Engineers, New Orleans District, Calcasieu River and Pass, Louisiana (2006-2008)** - Prepared a Quality Assurance Project Plan, conducted sampling, managed analytical laboratory and subsequent data evaluation of surface water and sediment samples for numerous chemical constituents. Evaluation included physical, chemical and biological analyses, including bioassay and tissue analyses, in accordance with the Inland and Upland Testing manuals. Interagency coordination was required to draw conclusions from unusual biological data.
- **Redevelopment Corporation of Marshall, Marshall, Texas (2009-2012)** - Managed ESA site investigations under EPA's Brownfields program to quantify RECs associated with a former scrapyard. Conducted an APAR evaluation to calculate site-specific cleanup standards for soil, groundwater, sediment and surface water.
- **Former Sears & Roebuck Retail Building, Lake Charles, Louisiana (2006-2007)** - Managed ESA and VRP RECAP site investigations under EPA's Brownfields program to quantify RECs associated with former uses of the property. Conducted a RECAP evaluation to calculate site-specific cleanup standards for soil and groundwater.
- **Weyerhaeuser Site, Springfield, Louisiana (2006)** - Managed the preparation of a Cleanup Plan under EPA's Brownfields program and LDEQ guidance for the Weyerhaeuser Site, a former landfill.
- **Greater New Orleans Expressway Commission South Shore Toll Plaza, Metairie, Louisiana (2003-2011)** - Managed RECAP site investigation to quantify the nature and extent of petroleum release. Conducted a RECAP evaluation to calculate site-specific cleanup standards for soil, groundwater, sediment and surface water. Prepared and implemented CAP for soil and groundwater.
- **US Army Corps of Engineers, New Orleans District, Louisiana and Texas (2005-2013)** - Conducted over 40 Phase I and Phase II environmental site assessments in accordance with ASTM guidelines and All-Appropriate Inquiry regulations including asbestos and lead paint sampling; preparation of site clean-up plans under EPA Region 6's Targeted Brownfields Assessment program.