

# **PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT**

**UNION COUNTY  
VACANT COUNTY PARCEL  
SWC SW 1<sup>ST</sup> STREET AND SW 1<sup>ST</sup> AVENUE  
LAKE BUTLER, FLORIDA  
ACRES NO. 257971**

**EPA COOPERATIVE AGREEMENT NO. BF-02D29322-0**

**PPM PROJECT NO. 20165101-TASK 13**

**DECEMBER 11, 2023**



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**AT**

**VACANT COUNTY PARCEL  
SWC SW 1<sup>ST</sup> STREET AND SW 1<sup>ST</sup> AVENUE  
LAKE BUTLER, FLORIDA 32054  
ACRES NO. 257971**

**PREPARED FOR:**



**UNION COUNTY, FLORIDA  
15 NE 1<sup>ST</sup> STREET  
LAKE BUTLER, FLORIDA 32054**

**EPA COOPERATIVE AGREEMENT BF-02D29322-0**

**PPM PROJECT NO. 20165101.TASK 15**

**DECEMBER 11, 2023**

**PREPARED BY:**

**REVIEWED BY:**

A handwritten signature in blue ink that reads "Robert Newbold III".

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**ROBERT L. NEWBOLD, III  
PROJECT GEOLOGIST**

A handwritten signature in blue ink that reads "Gregory P. Stover".

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**GREGORY P. STOVER, P.G.  
SENIOR GEOLOGIST**

**PPM CONSULTANTS, INC.  
30704 SERGEANT E. I. "BOOTS" THOMAS DRIVE  
SPANISH FORT, ALABAMA 36527  
(251) 990-9000**

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## EXECUTIVE SUMMARY

PPM Consultants, Inc. (PPM) was retained by Union County, Florida to conduct a Phase I Environmental Site Assessment (ESA) of the Vacant County Parcel (the subject property) located on the southwest corner of SW 1<sup>st</sup> Street and SW 1<sup>st</sup> Avenue in Lake Butler, Florida. The purpose of this assessment was to identify recognized environmental conditions (REC) in connection with the subject property by means of interviews, review of record information, and site reconnaissance. The environmental assessment was conducted in conformance with the scope of ASTM International Standard Practice E1527-21.

PPM conducted the site reconnaissance on October 11, 2023. The subject property consists of one ±0.172-acre parcel of land that is developed with a former Soil Vapor Extraction and Air Sparge (SVE/AS) remediation system shed and a concrete pad from a former remediation system. The remainder of the subject property consists of grassy areas. The subject property is not depicted on the 1913 fire insurance map. The 1920 fire insurance map and the 1938 aerial photograph indicate the subject property was undeveloped land. Historical records indicate the subject property was developed with a train depot from at least 1949 to at least 1965 and consisted of vacant land from at least 1971 to 2001. Regulatory and historical records indicate a SVE/AS remediation system and biosparge remediation system was located on the subject property from 2002 to 2020. A shed that was previously connected to the remediation system has been present on the subject property since 2002.

Properties surrounding the subject property consist of commercial and residential properties. The site is bordered to the north by SW 1<sup>st</sup> Street, followed by Windstream (internet provider); to the northeast by SW 1<sup>st</sup> Street and SW 1<sup>st</sup> Avenue, followed by a residence; to the east by SW 1<sup>st</sup> Avenue, followed by a residence; to the south by undeveloped and wooded land; to the southwest by a retail/office structure; to the west by vacant land; and to the northwest by SW 1<sup>st</sup> Street and SW 2<sup>nd</sup> Avenue, followed by a retail/office structure. Historical records indicate that the adjoining property to the north was undeveloped land from at least 1913 to at least 1949 and has been developed with the current commercial structure since at least 1958. The structure on the adjoining property to the north was occupied by a telephone company (Alltel) from at least 1958 to 2005 and has been occupied by an internet provider (Windstream) since 2006. The adjoining property to the northeast has been residential since at least 1913. Historical records indicate the adjoining property to the east was developed with a railroad from at least 1913 to at least 1981 and consisted of undeveloped and wooded land in the mid-1980s. The adjoining property to the east has consisted of a grassy area and a residence since at least 1995. The adjoining property to the

south was not shown on the 1913 fire insurance map. The adjoining property to the south was developed with a railroad from at least 1913 to at least 1981 and has consisted of undeveloped and wooded land since at least 1987. Historical records indicate the adjoining property to the west was not shown on the 1913 fire insurance map. The adjoining property to the west was occupied by Standard Oil Company from at least 1920 to at least 1938 and consisted of vacant land from at least 1913 to 1986. A groundwater contamination remediation system was located on the adjoining property to the west from 1995 to 2001 and has been vacant land since 2002. The adjoining property to the south was developed with a stable in 1913 and a lean-to from at least 1913 to at least 1920. The adjoining property to the northwest was developed with one and/or two warehouses between 1920 and 1987 and has been developed with a retail/office structure since at least 1995.

This assessment has revealed the following RECs, controlled recognized environmental conditions (CREC), and/or significant data gaps (SDG) in connection with the subject property.

- **Groundwater contamination area in the surrounding area.** Three leaking underground storage (LUST) facilities (Shadd's Facility/Shell, Handi-Way Food Store/Union Beverage, and Cargo Station/Hungry Howie's) are located between 150 and 280 feet northwest of the subject property. Leaked gasoline from these facilities created a comingled plume of petroleum contamination in groundwater in the surrounding area, which includes the subject property. Two other LUST facilities (Shell/Welch's and Biellings Tire) formerly located approximately 145 and 310 feet to the north of the subject property, respectively, were also found to be additional contributing sources to the groundwater contamination. The media of concern is groundwater and soil vapor. This condition is a REC.

## 1.0 INTRODUCTION

### 1.1 PROPERTY IDENTIFICATION

<b>Property Name:</b>	Vacant County Parcel			
<b>Current Property Owner:</b>	Union County			
<b>Current Site Use:</b>	Vacant land with a former remediation system shed			
<b>Land Area in Acres:</b>	±0.172 acres			
<b>Street Address:</b>	SWC SW 1 <sup>st</sup> Street and SW 1 <sup>st</sup> Avenue			
<b>County/Parish:</b>	Union			
<b>City, State, Zip Code:</b>	Lake Butler, Florida 32054			
<b>UTM Coordinates:</b>	30° 01' 20''N	<b>Latitude</b>	82° 20' 21''W	<b>Longitude</b>
<b>Tax Parcel ID(s):</b>	30-05-20-13-017-0440-0			
<b>Date of Site Visit:</b>	October 11, 2023			
<b>Attachments:</b>	Site location is shown in <b>Figure 1, Site Location Map, Appendix A</b> . Photographs of the subject property and adjoining properties are provided in <b>Appendix C</b> .			
	Subject property and adjoining properties are shown in <b>Figure 2, Site / Area Map, Appendix A</b> .			
	Legal description (if obtained) is provided in <b>Appendix F, Other Documentation</b> .			

### 1.2 PURPOSE

PPM Consultants, Inc. (PPM) was retained by Union County, Florida, the client/primary user, to conduct a Phase I Environmental Site Assessment (ESA) of the above-referenced property in accordance with ASTM Standard Practice E1527-21. The purpose of the ASTM Standard Practice E1527-21 is:

*“to define good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the “landowner liability protections,” or “LLPs”): that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35)(B).*

The goal of the process established by this practice is to identify recognized environmental conditions (REC) associated with the subject property. The term REC is defined by Practice E1527-21 as:

*“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. De minimis conditions are not recognized environmental conditions.”* Release to the environment entails the migration or movement of hazardous substances or petroleum products in any form, including solids and liquids at the surface or subsurface, and vapor in the subsurface to, within, or from the property. If such conditions exist on the property, and are not de minimis, the condition is a REC.

Key terms used in this report that are specifically defined by Practice E1527-21 are provided in **Section 9.0, Glossary of Key Terms**.

### 1.3 CONTINUED VIABILITY AND USER RELIANCE

ASTM defines the “user” as the party seeking to use Practice E1527-21 to complete an ESA of the subject property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The findings and conclusions contained within this report may not be used or relied upon by any other parties without the written consent of the client/primary user that contracted PPM to conduct this assessment and PPM. The client/primary user may designate other users who may rely on this report. All users currently identified by the client/primary user are named in **Section 2.1, Users of Report**.

In accordance with the ASTM practice, AAI components (interviews, government records, site reconnaissance, and declaration of environmental professional) must be completed or updated no more than 180 days prior to date of acquisition or intended transaction, and all other components must be updated within one year. Dates of AAI components are listed in the following table:

AAI Component	Date
Interviews	October 3, 2023
Environmental Risk Information Services (ERIS) Radius Report	October 11, 2023
Regulatory Agency File Review	October 12, 2023
Site Reconnaissance	October 11, 2023
Declaration of Environmental Professional	December 11, 2023

If a party different from the original user(s) intends to use this report, the subsequent user(s) must also satisfy the following requirements at a minimum:

- Obtain written authorization to rely on this report from the original client/primary user and PPM.
- Fulfill the User's Responsibilities outlined in **Section 2.0, User Provided Information.**
- Contract PPM to update the report if the original report is over 180 days and less than one year old.

If the report is greater than one year old at the time of acquisition by any user, no part of the report can be relied upon in order to satisfy all appropriate inquiry.

## **2.0 USER PROVIDED INFORMATION**

### **2.1 USERS OF REPORT**

Union County, Florida contracted PPM to perform this Phase I ESA and is considered the client and the user of this report. The contact for Union County, Florida is County Coordinator James Williams. Mr. Williams did not designate any other users of this report. Funding for this Phase I ESA is provided by the United States Environmental Protection Agency (EPA) under a Brownfields Assessment Grant awarded to Union County, Florida in 2022. Information generated by this Phase I ESA will be reported to the EPA Project Officer. The EPA Project Officer has no knowledge of the property beyond what is provided to them during the assessment process and will not "use" this information for the purpose of property acquisition by the EPA.

### **2.2 USER QUESTIONNAIRE**

The "All Appropriate Inquiries" Final Rule (40 CFR Part 312) requires that certain tasks be performed by or on behalf of a party seeking to qualify for landowner liability protections (LLP) to Comprehensive Environmental Response, Compensation, Liability (CERCLA) liability (i.e. the user). While such information is not required to be provided to the environmental professional (i.e. PPM), the environmental professional must request information from the user to assist in identifying RECs. The User Questionnaire found in Appendix X3 of Practice E1527-21 was provided to Mr. Williams as identified in **Section 2.1**. However, no response has been received as of the date of this report. Additional information provided by the user regarding their knowledge of environmental conditions at the subject property are provided in **Section 5.0, Interviews**.

## 2.3 ENVIRONMENTAL LIENS AND ACTIVITY USE LIMITATIONS

The primary user/client contracted PPM to conduct a search of land title records for environmental liens or activity and use limitations (AUL) filed or recorded against the subject property. The title search was performed by ERIS. This search revealed there were no environmental liens or AULs filed or recorded against the subject property. The title search results are provided in **Appendix F, Other Documentation**.

## 2.4 OTHER INFORMATION PROVIDED BY USER

Other information provided by the user includes the following:

- The user stated that the reason for performing the Phase I ESA was to assess selected brownfield sites under the EPA Brownfields Assessment Grant.
- The user stated the subject property consists of one vacant parcel of land.
- The user identified Union County as the owner of the subject property.
- The user identified Mayor David Stegall, Jr. with the City of Lake Butler as the site contact for the subject property. Mayor Stegall can be contacted at (386) 266-9267 and [dstegall@cityoflakebutler.com](mailto:dstegall@cityoflakebutler.com).

## 2.5 USER SPECIFIED TERMS, CONDITIONS, AND LIMITATIONS

The primary user/client did not request or specify any special terms, conditions, limitations, or considerations that would limit, deviate from, reduce, or add to the scope of this assessment with respect to Practice E1527-21.

# 3.0 SITE RECONNAISSANCE

## 3.1 METHODOLOGY

The objective of the site reconnaissance is to visually and physically observe the subject property and the adjoining properties for any uses or conditions that may indicate the likelihood of RECs in connection with the subject property. During the site reconnaissance, PPM visually inspected the grounds and structures (if any) on the subject property to the extent not obstructed by bodies of water, adjacent buildings, or other obstacles. Interior and exterior inspections focused on practices that may involve the use, treatment, storage, disposal, generation, or release of hazardous substances or petroleum products. Exterior and interior observations were made of the subject property. Observations of adjoining properties were made from the subject property and surrounding public thoroughfares and adjoining properties.

Site reconnaissance did not include invasive or physical inspections of observed releases, such as ground disturbance to determine the thickness of a spill, or opening and inspecting the contents of vaults, manholes, storage tanks, drums, and other containers suspected to contain hazardous substances or petroleum products. For large or complex properties, special methods of observation (for example, grid patterns or other systematic approaches) may have been developed by the environmental professional in order to satisfy the objective of the assessment in a timely and cost-effective manner.

For this assessment, there was no special methodology used to inspect the subject property.

### 3.2 LIMITING CONDITIONS ENCOUNTERED DURING SITE VISIT

General limitations and basis of review, including limitations imposed by physical obstructions such as adjacent buildings, bodies of water, asphalt, or other paved areas, and other physical constraints (e.g. snow, rain, flooding, dense vegetation, etc.) shall be noted during the site visit and documented in the report. Limiting conditions may also include potentially unsafe conditions to physical safety (e.g. criminal activity, vagrancy, seclusion, animals, dilapidated structures, uncontrolled hazardous wastes, etc.); inaccessible areas (e.g. locked gates, rooms, and buildings); and the absence of a key site manager who could provide information about observed conditions or full and safe access to the subject property during the site reconnaissance.

For this assessment, there were no limiting conditions encountered during the site reconnaissance.

### 3.3 SUBJECT PROPERTY OBSERVATIONS

<b>SUBJECT PROPERTY LAND USES</b>
The subject property consists of one ±0.172-acre parcel of land (Parcel Number 30-05-20-13-017-0440-0) that is developed with a former Soil Vapor Extraction and Air Sparge (SVE/AS) remediation system shed and a concrete pad from a former remediation system. The remainder of the subject property consists of grassy areas.
<b>Were any of the following conditions observed or suspected on the subject property?</b>
<b>Condition</b>
<b>Structures &amp; Improvements:</b> The former SVE/AS remediation system shed on the northwest portion of the subject property encompasses an estimated 80 square feet each and has been present since 2002.
<b>On-Site Roads and Parking:</b> None observed
<b>Adjoining Roads:</b> SW 1 <sup>st</sup> Street and SW 1 <sup>st</sup> Avenue adjoin the subject property to the north and east, respectively.
<b>Potable Water Supply/Source:</b> None observed
<b>Sewage Disposal System:</b> None observed



<b>Hazardous Substance Usage:</b> None observed
<b>Petroleum Product Usage:</b> None observed
<b>Storage Tanks:</b> None observed
<b>Strong Odors &amp; Sources:</b> None observed
<b>Standing Surface Water, Pools, or Sumps Containing Liquids:</b> None observed
<b>Drums, Totes, &amp; Intermediate Bulk Containers:</b> None observed
<b>Hazardous Substance and Petroleum Product Containers not Connected with Identified Uses:</b> None observed
<b>Unidentified Substance Containers:</b> None observed
<b>PCB-containing Items:</b> None observed
<b>Heating/Cooling System:</b> None observed
<b>Stains or Corrosion on Floors, Walls, or Ceilings:</b> None observed
<b>Drains, Sumps, &amp; Oil/Water Separators:</b> A storm drain connected to the municipal system was observed on the east portion of the subject property.
<b>Pits, Ponds, &amp; Lagoons:</b> None observed
<b>Stained Soil or Pavement:</b> None observed
<b>Stressed Vegetation:</b> None observed
<b>Solid Waste Disposal:</b> None observed
<b>Waste Water:</b> None observed
<b>Wells:</b> None observed

### 3.4 ADJOINING PROPERTY OBSERVATIONS

ADJOINING LAND USES	
<b>North</b>	Currently developed with SW 1 <sup>st</sup> Street, followed by an office structure occupied by Windstream (internet provider). The structure was previously occupied by a telephone company. Prior to development, the adjoining property to the north was undeveloped land.
<b>Northeast</b>	Currently and previously developed with SW 1 <sup>st</sup> Street and SW 1 <sup>st</sup> Avenue, followed by a residence.
<b>East</b>	Currently developed with SW 1 <sup>st</sup> Avenue, followed by a residence. Previously vacant land and developed with a railroad.
<b>South</b>	Currently undeveloped and wooded land and previously developed with a railroad.
<b>West</b>	Currently vacant land covered with grass. Previously developed with a groundwater contamination remediation system and also previously occupied by Standard Oil Company.
<b>Northwest</b>	Currently developed with a retail/office structure. Previously developed with two warehouses, stable, and a lean-to.
<b>Were any of the following conditions observed or suspected on an adjoining property?</b>	
<b>Condition</b>	
<b>Waste Water:</b>	None observed
<b>Pits, Ponds, &amp; Lagoons:</b>	None observed
<b>Storage Tanks:</b>	Regulatory records indicate the adjoining property to the north currently maintains one 1,000-gallon propane UST that was installed in 1974. Given the tank only contains propane, it is not further discussed.
<b>Drums, Totes, &amp; Other Bulk Containers:</b>	None observed
<b>Abandoned Containers:</b>	None observed



<b>Unidentified Substance Containers:</b> None observed
<b>PCB-containing Items:</b> Two pole-mounted electrical transformers were observed on the adjoining property to the north, within the right-of-way of SW 1 <sup>st</sup> Avenue. No evidence of spills or releases such as stained soil, stressed vegetation, and/or odors was observed in the vicinity of the transformers.
<b>Strong Odors &amp; Sources:</b> None observed
<b>Stressed Vegetation:</b> None observed
<b>Stained Soil or Pavement:</b> None observed
<b>Solid Waste Disposal:</b> None observed
<b>Wells:</b> Several groundwater monitoring wells are located on the adjoining properties to the north, south, and west. Regulatory records indicate the presence of three monitoring wells (MW-32I, MW-32S, and RW-8) on the adjoining property to the north and one groundwater monitoring well (MW-41X) on the adjoining property to the south. PPM did not observe the presence of the well on the adjoining property to the south and several environmental investigation reports indicate the well could not be located. Three monitoring wells (MW-15S, MW-16S, and MW-70S) are located on the adjoining property to the west. The wells are associated with assessment activities conducted for petroleum contamination in the vicinity of the subject property.

### 3.5 SURROUNDING AREA OBSERVATIONS

SURROUNDING AREA LAND USES
Historical and regulatory records indicate that three retail petroleum stations and/or automobile repair facilities (Shell/Welch's, Shadd's Facility, and Union 76-Johns) were previously located between 145 and 155 feet north, northwest, and north-northeast of the subject property, respectively. One retail petroleum station (Union Beverage / Hungry Howie's / Cargo / Handi-Way Food Store / Coastal Mart) has been located 280 feet northwest of the subject property since 1969. No other suspect land uses were identified in the vicinity of the subject property.

## 4.0 RECORDS REVIEW

### 4.1 PHYSICAL SETTING SOURCES

#### 4.1.1 Mandatory Standard Physical Setting Resources

PPM reviewed the most recent USGS 7.5 Minute Topographic Map dated 2021 for the Lake Butler Quadrangle in which the subject property is located. The map is used as the base map for **Figure 1, Site Location Map**, provided in **Appendix A**. According to this map, the elevation at the subject property is approximately 135 feet above mean sea level (AMSL). The area topography is generally flat and the groundwater flow direction in the area of the subject property is interpreted to be to the east and southeast. Notable geographical features in the surrounding area include: tributary of Lake Butler and Lake Butler located approximately 1,100 feet northeast and 1,600 feet north of the subject property, respectively. Based on the relative elevation between the subject property (135 feet AMSL) and the nearest perennial body of surface water (130 feet AMSL), the depth to groundwater beneath the subject property is estimated to be 5 feet below ground surface (BGS).

PPM also reviewed area-specific physical setting information that was obtained pursuant to agency file review for Shadd's Facility located approximately 150 to the northwest of the subject property. The last site investigation occurred in 2022 and indicated the groundwater flow direction at the facility was toward the southeast and the depth to groundwater was between 6.42 and 12.59 feet BGS.

#### **4.1.2 Discretionary and Non-Standard Physical Setting Resources**

In the evaluation of offsite sources of hazardous substances and petroleum products, the ASTM E 1527-21 standard practice requires that known or suspected releases to the surface and subsurface be evaluated for their potential to migrate from the source of release to the subject property. The primary concern for migration in the subsurface environment is via groundwater; however, the standard practice also requires the evaluation of vapor migration. Vapor migration or encroachment in the subsurface is described in ASTM E 2600, which is not required to be applied to achieve compliance with all appropriate inquiries; however, E2600 does develop areas of concern (AOC) critical distances for vapor encroachment that are based on studies of groundwater plume lengths; therefore, can be used as defensible AOC search distances for both vapor and groundwater migration.

In the development of AOC search critical distances for vapor encroachment screening per ASTM E 2600, Paper 2011-A-301-AWMA, *Methodology for Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration for nearby Contaminated Sources*, by Anthony J. Buonicore, cited several research papers that established the 90<sup>th</sup> percentile dissolved-phase plume lengths for volatile petroleum and non-petroleum releases to be less than approximately 390 feet and 1,590 feet, respectively. Based on their cited experience, the AOCs for vapor migration potential were expanded to 528 feet for petroleum and 1,760 feet for non-petroleum volatile organic compounds (VOC) for releases from up-gradient sources. These critical distances were regarded as conservative or based on relatively favorable conditions for both groundwater migration in the saturated zone and vapor migration in the vadose or unsaturated zone.

For cross-gradient sources where groundwater migration to the subject property is not considered likely, the AOC critical distances for vapor migration were reduced to 95 feet for dissolved-phase petroleum, 165 feet for free product or light non-aqueous phase liquid (LNAPL) petroleum, and 365 feet for non-petroleum. The corresponding logic was that cross-gradient groundwater migration potential to the subject property is less than that of vapor migration.

For down-gradient sources where groundwater migration to the subject property is not considered likely, the AOC critical distances for vapor migration were reduced to 30 feet for dissolved-phase petroleum, 100 feet for LNAPL petroleum, and 100 feet for non-petroleum.

The corresponding logic with each of these AOC gradient scenarios for VOC releases is that: (1) the potential distance for groundwater migration is less than the potential distance of groundwater plus vapor migration; (2) vapor can migrate independent of its groundwater source; (3) a REC can exist for vapor migration only; (4) a groundwater REC is also a vapor REC; and therefore (5) the vapor migration AOCs can also be used to conservatively evaluate groundwater migration.

The use of these AOC critical distances to evaluate non-volatile chemicals of concern (COC) would be unreasonably excessive in that they: (1) do not produce vapors and (2) are typically considerably less soluble therefore are less mobile in groundwater. Instead, non-volatile COC releases will generally be evaluated as a subject or adjoining property issue.

To be conservative with petroleum releases using this initial screening, PPM utilizes the AOC critical distances for petroleum releases with free product. With the exceptions listed below, all known or suspected releases beyond the AOC critical distances for vapor migration will not be considered RECs in connection with the subject property. All known or suspected releases within the AOC critical distances will be further evaluated either through document review, interviews, or further evaluation of the physical setting. For example, the presence of a hydraulic barrier such as a creek will also serve as a barrier to vapor migration. If definitive information cannot be found that can be used to eliminate a known or suspected release as a REC, then its presence within a relevant AOC critical distance will be considered a REC due to vapor migration at a minimum.

The exceptions are: (1) Federal National Priority List (NPL) and Resource Conservation and Recovery Act (RCRA) transport, storage, and disposal (TSD) facilities, which require additional record review per ASTM E1527-21 Sections 8.2.2 and 8.2.3; and (2) PPM's personal or specialized knowledge of releases in the area that have the potential to migrate further than these critical distances; (3) personal or specialized knowledge of releases or vapors reported by the subject property owner, manager, or occupants.

#### **4.1.3 AOC Site Conceptual Model**

Based on the Physical Setting review, the known/inferred groundwater flow direction in the study area is toward the east and southeast; therefore, the AOC critical distances for this assessment are as follows:

Contaminant Type	Gradient, Direction, Distance (feet)		
	Up-gradient	Cross-gradient	Down-Gradient
	NORTHWEST AND WEST	NORTH, NORTHEAST, SOUTH, SOUTHWEST	EAST AND SOUTHEAST
Non-Petroleum VOC	1,760	365	100
Petroleum LNAPL	528	165	100

There were no modifications made to the AOC distances for this investigation.

## 4.2 REGULATORY RECORD REVIEW

PPM retained the services of ERIS, a third-party database provider, to provide information available from state, local tribal, and federal databases regarding reported environmental activities and releases in the vicinity of the subject property. This information, along with other government record sources obtained during the assessment, were reviewed to help determine the likelihood of hazardous substances or petroleum products impacting the subject property.

### 4.2.1 Standard Environmental Record Sources

As allowed by Section 8.1.2.1 of the Standard Practice, the approximate minimum search distance (AMSD) for standard environmental record sources can be adjusted at the discretion of the environmental professional in consideration of such factors as: (1) the density of the setting in which the subject property is located; (2) the distance that the hazardous substances or petroleum products are likely to migrate subject to local geologic or hydrogeological conditions; (3) the property type; (4) existing or past uses of surrounding properties; and (5) other reasonable factors. Per ASTM, the only AMSDs that cannot be adjusted downward are for Federal NPL and Federal RCRA TSD records. If an AMSD was adjusted, the adjusted AMSD will be the AMSD used in the confirmed column. For the subject property, there was no adjustment to the standard AMSDs.

The third-party database vendor provided the following standard environmental record sources:

SUMMARY OF THIRD-PARTY DATABASE REVIEW					
Type of Site (Abbreviations used in subsequent tables are in parentheses)		Search Distance		Number Identified	
		Standard AMSD	Adjusted AMSD	Potential within AMSD	Confirmed within AMSD
Federal	NPL or Superfund (NPL)	1.0 mile		0	0
	Delisted NPL sites (DNPL)	0.5 Mile	N/A	0	0
	CERCLA Removals and Orders (RAO)	0.5 Mile	N/A	0	0
	CERCLIS with NFRAP (NFRAP)	0.5 Mile	N/A	0	0



	<b>RCRA undergoing Corrective Action (RCA)</b>	<b>1.0 Mile</b>	<b>N/A</b>	<b>0</b>	<b>0</b>
	<b>RCRA Transport, Storage, Disposal Facilities (TSD)</b>	<b>0.5 Mile</b>		<b>0</b>	<b>0</b>
	<b>RCRA Generator (GEN)</b>	<b>Subject and Adjoining</b>		<b>0</b>	<b>0</b>
	<b>Institutional/Engineering Control (IC/EC)</b>	<b>Subject Property</b>		<b>0</b>	<b>0</b>
	<b>ERNS</b>	<b>Subject Property</b>		<b>0</b>	<b>0</b>
<b>State/Tribal Lists:</b>	<b>Superfund Equivalent (SNPL)</b>	<b>1.0 Mile</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Hazardous Waste Facilities (HWF)</b>	<b>0.5 Mile</b>	<b>N/A</b>	<b>0</b>	<b>0</b>
	<b>Landfill/Solid Waste Disposal (SWD)</b>	<b>0.5 Mile</b>	<b>N/A</b>	<b>0</b>	<b>0</b>
	<b>Leaking Underground Storage Tank (LUST)</b>	<b>0.5 Mile</b>	<b>N/A</b>	<b>9</b>	<b>9</b>
	<b>Registered Storage Tank (RUST/RAST)</b>	<b>Subject and Adjoining</b>		<b>12</b>	<b>1</b>
	<b>Institutional/Engineering Control (IC/EC)</b>	<b>Subject Property</b>		<b>0</b>	<b>0</b>
	<b>Voluntary Cleanup Sites (VCP)</b>	<b>0.5 Mile</b>	<b>N/A</b>	<b>0</b>	<b>0</b>
	<b>Brownfields Sites (BF)</b>	<b>0.5 Mile</b>	<b>N/A</b>	<b>0</b>	<b>0</b>
<b>Database Provider:</b>	ERIS				
<b>Attachments:</b>	Regulatory Record documents are provided in <b>Appendix D, Regulatory Research Documentation</b> .				

#### 4.2.2 Preliminary Screening of Standard Environmental Record Sources

The first stage of evaluating Standard Sources, will consider critical and non-critical factors stated or implied by the Standard Practice. Critical factors are conditions that will require further investigation in order to determine that the condition represents a REC in connection with the subject property. Critical factors include (1) conditions existing on the subject property or on an adjoining property; (2) a Standard Source listing as a Federal NPL or Federal RCRA TSD facility; and (3) a Standard Source listing being located within a relevant AOC Critical Distance (see **Section 4.1.3, AOC Site Conceptual Model**).

Conditions existing on the subject property or on an adjoining property, Federal NPL facilities, and Federal RCRA TSD facilities will automatically proceed to further investigation by record review (**Section 4.2.3, Additional Regulatory File Review**), interviews, or observation.

Other Standard Source Listings will be further screened in this section based on the nature of the COCs, which are either non-petroleum volatiles, petroleum (assumed to be free product), or non-volatiles [such as metals, polynuclear aromatic hydrocarbons (PAH), and other semi-volatile organic compounds (SVOC)]; known or inferred groundwater gradient orientation relative to the subject property (up, cross, or down); and distance from the subject property in feet. If the nature of the released COC is unknown at this stage, the preliminary screening will assume the COCs are worst-case non-petroleum volatiles. Unless the database provider indicates otherwise, it is assumed a release from a commercial LUST is free product petroleum. Standard Source listings located outside an AOC Critical Distance

are concluded to not represent RECs in connection with the subject property; therefore are eliminated from further discussion in this report. Standard Source listings located inside an AOC Critical Distance will proceed to **Section 4.2.3, Additional Regulatory File Review**.

PRELIMINARY SCREENING OF STANDARD REGULATORY DATABASE LISTINGS							
Facility Name	AOC Parameters					Eliminate or Proceed?	
	Site Type	COC	Gradient	Distance (feet)			Inside/ Outside
				Actual	Critical		
Shell/Welch's	LUST / WELL SURVEILLANCE / SPILLS / UST	Petroleum	Cross	145	165	Inside	Proceed
Union 76-Johns	LUST / DWM CONTAM / SPILLS / WELL SURVEILLANCE	Petroleum	Cross	155	165	Inside	Proceed
Shadd's Facility / Tru Blu Pool Service & Supplies, LLC / Shell	LUST / DWM CONTAM / WELL SURVEILLANCE	Petroleum	Up	150	528	Inside	Proceed
Union County Property / Bielling's Station	LUST / DWM CONTAM / WELL SURVEILLANCE	Petroleum	Cross	315	165	Outside	Eliminate
Union Beverage / Hungry Howie's / Cargo	LUST / DWM CONTAM / WELL SURVEILLANCE	Petroleum	Up	280	528	Inside	Proceed
Archer Service Station	LUST / DWM CONTAM / WELL SURVEILLANCE	Petroleum	Down	575	100	Outside	Eliminate
Former Coastal Mart / CNB National Bank / Wilma's variety Store	LUST / DWM CONTAM / WELL SURVEILLANCE	Petroleum	Up	795	528	Outside	Eliminate
Handy Way Food Store #2432 / Circle K #2722432	LUST / DEL CONTAM SITE / DWM CONTAM / WELL SURVEILLANCE	Petroleum	Cross	2,025	165	Outside	Eliminate
Lake Butler City	LUST / DWM CONTAM / WELL SURVEILLANCE	Petroleum	Cross	2,100	165	Outside	Eliminate

Record review findings for those Standard Source listings marked “proceed” are presented in **Section 4.2.3, Additional Regulatory File Review**.

### 4.2.3 Additional Regulatory File Review

RECORD REVIEW FOR STANDARD SOURCE SITES	
<b>Site Name:</b>	Alltell FL, Inc.-Lake Butler / Lake Butler Central Office / Windstream Communications, Inc.
<b>Database Map ID Reference:</b>	1
<b>Site Address:</b>	80 SW 1 <sup>st</sup> Street
<b>Type(s) of Site:</b>	UST / TIER 2
<b>Database Distance &amp; Direction:</b>	0.01 miles / 37 feet NE
<b>Actual Distance &amp; Direction:</b>	Adjoining North
<b>Database Information:</b>	The facility is listed as a UST site with a Facility ID Number of 8731673. This facility currently maintains one 1,000-gallon UST that was installed in 1974. The tank contents are listed as other non-regulated. This facility is also listed as a Tier 2 facility with Facility ID numbers of 6821802 (2020 filing year), 70808976 (2021 filing year), and 7264251 (2022 filing year). The chemical listed is sulfuric acid for their use of batteries.
<b>Regulatory Agency Records:</b>	According to regulatory records, the UST contains propane and is therefore not regulated. This UST is not further discussed.

<b>Site Name:</b>	Shell/Welch’s
<b>Database Map ID Reference:</b>	2 and 5
<b>Site Address:</b>	102/120 West Main Street
<b>Type(s) of Site:</b>	LUST / SPILLS / WELL SURVEILLANCE
<b>Database Distance &amp; Direction:</b>	0.04 and 0.05 miles / 206 and 272 feet N
<b>Actual Distance &amp; Direction:</b>	±0.03 miles / ±145 feet N
<b>Database Information:</b>	This facility is listed as a UST site with a Facility ID Number of 8734032. This facility formerly maintained one 500-gallon kerosene UST, four 3,000-gallon gasoline USTs, and one 200-gallon waste oil UST that were installed in 1957. The kerosene and waste oil USTs were removed in 1998 and the gasoline USTs were removed in 1989.
<b>Regulatory Agency Records:</b>	<p><u>USTs removed in 1989</u></p> <p>No information was available for review regarding the gasoline USTs that were removed in 1989.</p> <p><u>USTs removed in 1998</u></p> <p>According to a Tank Closure Assessment dated December 1998 and prepared by AAG Environmental (AAG), the liquids in the kerosene and waste oil USTs were removed prior to the tank removal activities. The tanks were removed and were found to be in excellent condition with no evidence of leakage identified. Four cubic yards and eleven</p>



	<p>cubic yards of soil were removed during the excavation of the kerosene and waste oil tanks, respectively. Following the removal of the tanks, six soil samples were collected from each excavation for organic vapor screening. Organic vapor readings ranged from 0 to 25 ppm. AAG stated that none of the soil samples exhibited any significant evidence of contamination. One soil sample from each excavation was submitted for laboratory analysis. The results did not indicate any significant presence of petroleum products in the soil at the site. AAG stated that because groundwater is known to be contaminated in the area and this site is surrounded by and is part of a groundwater remediation process, no groundwater samples were collected. No other documents regarding the kerosene and waste oil USTs were available for review. This facility is part of a cluster of sites and is further discussed below in the table for <b>Lake Butler Gasoline Contamination</b>.</p> <p>Documents detailing the above information are included in <b>Appendix F</b>.</p>
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<b>Site Name:</b>	Shadd's Facility / Tru Blu Pool Service & Supplies, LLC / Shell
<b>Database Map ID Reference:</b>	4
<b>Site Address:</b>	220 West Main Street
<b>Type(s) of Site:</b>	LUST / WELL SURVEILLANCE / DWM CONTAM
<b>Database Distance &amp; Direction:</b>	0.05 miles / 251 feet NW
<b>Actual Distance &amp; Direction:</b>	±0.03 miles / ±150 feet NW
<b>Database Information:</b>	The facility is listed as a LUST site with a Facility ID Number of 9807182. Tank information was not provided by ERIS.
<b>Regulatory Agency Records:</b>	<p>According to a Remedial Action General Report dated June 20, 2022 and prepared by Wood Environment &amp; Infrastructure Solutions, Inc. (Wood), a source of significant petroleum contamination was identified at the site. Free-phase petroleum product was discovered on site. This contamination was discovered due to the presence of petroleum fumes emanating from the City of Lake Butler sanitary sewer system in 1983. In 1990, assessment activities began conducted in the area of this facility. A Remedial Action Plan was completed for this site and other surrounding sites in 1993 and a pump and treat remediation system with soil vapor extraction (SVE) began operating in 1995. The system operated until 2010. A Supplement Site Assessment was completed for this site in 2009 and indicated the presence of petroleum contaminants in soil above FDEP soil cleanup target levels (SCTL). Groundwater data collected in 2010 indicated the presence of groundwater contamination in monitoring wells at the site above FDEP groundwater cleanup target levels (GCTL). Source removal activities and well abandonment activities began in 2011. In 2012, new monitoring wells were installed. In 2015, a horizontal biosparge system was added to the existing SVE system. The system was shut down in 2020. In 2022, groundwater elevations were collected from monitoring wells. Groundwater flow direction was determined to be to the southeast and groundwater depths ranged from 6.42 to 12.59 feet below top of casing (BTOC). Groundwater samples were also collected during this time and the results indicated the</p>

	<p>presence of petroleum constituents above their respective GCTLs in nine wells. The remaining six wells reported concentrations below their respective GCTLs. The Groundwater Analytical Map associated with these results indicate the contamination plume does not extend onto the subject property. Following these results, Wood recommended continuing remediation at the site. The Remedial Action General Report was approved by the Alachua County Environmental Protection Department (ACEPD) on July 8, 2022. Based on this approval, a purchase order for a Remedial Action Plan (RAP) was issued on July 11, 2023. This facility is part of a cluster of sites and is further discussed below in the table for <b>Lake Butler Gasoline Contamination</b>.</p> <p>Documents detailing the above information are included in <b>Appendix F</b>.</p>
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<b>Site Name:</b>	Union 76-Johns
<b>Database Map ID Reference:</b>	3
<b>Site Address:</b>	80 West Main Street
<b>Type(s) of Site:</b>	LUST / WELL SURVEILLANCE / DWM CONTAM
<b>Database Distance &amp; Direction:</b>	0.04 miles / 226 feet NE
<b>Actual Distance &amp; Direction:</b>	±0.03 miles / ±155 feet NNE
<b>Database Information:</b>	<p>The facility is listed as a LUST and UST site with a Facility ID Number of 8519168. This facility formerly maintained one 550-gallon gasoline UST and three 1,000-gallon gasoline USTs that were installed in 1964 and removed in 1987. This facility also formerly maintained one 3,000-gallon gasoline UST, one 4,000-gallon gasoline UST, and one 4,000-gallon UST listed as containing a miscellaneous petroleum-based product. These three tanks were installed in 1987 and removed in 1994.</p>
<b>Regulatory Agency Records:</b>	<p>According to an Administrative Complaint for Revocation of Eligibility from 1989, a discharge of petroleum product was reported on October 23, 1986. On November 10, 1986, the FDEP sent a warning notice indicating the USTs and product lines needed to be tested for structural integrity. On December 16, 1986, the FDEP was notified of the presence free product in the groundwater at the site. On December 30, 1986, another warning notice was sent indicating that free product and excessively contaminated soil must be removed from the site. The notice also stated that a Contamination Assessment Plan and a Remedial Action Plan must be submitted to address the contamination at the site. The tanks continued to be used until they were replaced with three new gasoline tanks in January 1987. According to a letter dated October 20, 1994 and prepared by ABB Environmental Services, Inc. (ABB-ES), these three gasoline tanks were removed from the site on September 22, 1994. ABB-ES also stated there was a 300-gallon waste oil UST discovered at the site that was closed in place by being pumped dry and filled with sand. The tanks were removed, soil was excavated, and soil samples were collected for organic vapor screening. ABB-ES stated that the excavated soils that surrounded the tanks were not contaminated but excessively contaminated soils were encountered at the bottom of the</p>



	<p>tank pit. ABB-ES stated that the contaminated soils were left in place at the bottom of the pit and the tanks were removed without disturbing these soils. The tank pit was backfilled with gravel and a 4-inch concrete cap was poured over the top of the excavation. A product recovery well was later installed. This facility is part of a cluster of sites and is further discussed below in the table for <b>Lake Butler Gasoline Contamination</b>.</p> <p>Documents detailing the above information are included in <b>Appendix F</b>.</p>
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<b>Site Name:</b>	Union Beverage / Hungry Howie's / Cargo (also known as Handi-Way Food Store / Coastal Mart)
<b>Database Map ID Reference:</b>	7 and 8
<b>Site Address:</b>	260/280 West Main Street
<b>Type(s) of Site:</b>	LUST / WELL SURVEILLANCE / DWM CONTAM
<b>Database Distance &amp; Direction:</b>	0.08 miles / 405 and 429 feet WNW
<b>Actual Distance &amp; Direction:</b>	±0.05 miles / ±280 feet NW
<b>Database Information:</b>	<p>The facility is listed as a LUST site with a Facility ID Number of 8517149. This facility formerly maintained one 4,000-gallon fuel oil UST and four 4,000-gallon gasoline USTs that were installed in 1969. The fuel oil tank and the gasoline tanks were removed in 2005 and 2004, respectively. The facility currently maintains one 22,000-gallon gasoline UST that was installed in 2005.</p>
<b>Regulatory Agency Records:</b>	<p>Contamination at this site was discovered due to the presence of petroleum fumes emanating from the City of Lake Butler sanitary sewer system in 1983. In 1990, assessment activities began being conducted in the area of this facility. A pump and treat remediation system combined with SVE operated in the area until 2010. Source removal activities and well abandonment activities began at this site in 2011 and were completed with site restoration in 2012. Some of the source material was not removed from the site due to physical constraints. According to Remedial Action Plan dated August 23, 2013 and prepared by AMEC, groundwater elevations were collected from monitoring wells. Groundwater flow direction was determined to be to the southeast and groundwater depths ranged from 14.01 to 16.38 feet BTOC. Groundwater samples were also collected during this time and the results indicated the presence of petroleum constituents above their respective GCTLs in nineteen wells. The remaining two wells reported concentrations below their respective GCTLs. In addition, petroleum constituents were detected above their Natural Attenuation Default Concentrations (NADC) in eleven wells. The Groundwater Analytical Map associated with these results indicate the contamination plume does not extend onto the subject property. Based on these results, AMEC recommended restarting remediation system along with the installation of five horizontal biosparge wells to treat the shallow groundwater plume. According to a Post Active Remediation Monitoring Report dated February 7, 2014, groundwater samples were collected from the site in January 2014 and indicated the presence of target analytes above their GCTLs in 19 of 20 monitoring wells sampled. Target analytes were also detected above their NADCs</p>

	<p>from several monitoring wells. This sampling event was the fifth quarterly sampling event and showed an overall continuation of elevated concentrations above their respective GCTLs and NADCs. AMEC recommended implementing the RAP submitted in 2013 for groundwater contamination. The RAP was approved by the FDEP on July 21, 2014. Following RAP approval approval, this facility was combined with the previously discussed Shadd’s facility and in 2015 a horizontal biosparge system was added to the existing SVE system in the area. The system was shut down in 2020. This facility is part of a cluster of sites and is further discussed below in the table for <b>Lake Butler Gasoline Contamination</b>.</p> <p>Documents detailing the above information are included in <b>Appendix F</b>.</p>
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<b>Site Name:</b>	Lake Butler Gasoline Contamination
<b>Database Map ID Reference:</b>	9
<b>Site Address:</b>	SW 3 <sup>rd</sup> Street and West Main Street
<b>Type(s) of Site:</b>	LUST / DWM CONTAM / CLEANUP DEP / ERIC
<b>Database Distance &amp; Direction:</b>	0.09 miles / 494 feet WNW
<b>Actual Distance &amp; Direction:</b>	Subject Property and Surrounding Area
<b>Database Information:</b>	This area of contamination has a Facility ID Number of 121376 and a Site ID Number of ERIC_3836.
<b>Regulatory Agency Records:</b>	<p>According to a Florida Department of Environmental Regulation (FDER) (currently known as FDEP) Memorandum dated January 4, 1984, a site inspection was requested to determine the source of gasoline in the City of Lake Butler sewage collection system. The memorandum indicated that the City of Lake Butler received a complaint regarding gasoline odors emanating from manholes and from the main sewer lines. Following the complaint, foam was pumped down the sewer lines and the sewer lines were later flushed with water. This procedure removed some of the petroleum odor, but not all of it. The Memorandum stated there were retail petroleum stations within the area that had the strongest gasoline odors in the sewer lines. PPM also reviewed a FDER/FDEP Complaint and Investigation Report dated December 28, 1983. The report stated that the odors were possibly coming from one of three retail petroleum stations (Shadd’s Facility/Shell, Handi-Way Food Store/Union Beverage, and Cargo Station/Hungry Howie’s) in the area that are all adjacent to each other. The Handi-Way Food Store/Union Beverage and Cargo Station/Hungry Howie’s sites are on the same property and are considered to be one site. The stations were located in one city block between SW 3<sup>rd</sup> Avenue, SW 2<sup>nd</sup> Avenue, SW 1<sup>st</sup> Street, and West Main Street. The leaked gasoline created a comingled plume of contamination in the soil and groundwater on and in the vicinity of these properties. In January 1984, a recovery and groundwater treatment system began being used to remediate the contamination plume. In 1985, an assessment concluded that both facilities (Shadd’s Facility/Shell and Handi-Way Food Store/Union Beverage/Cargo Station/Hungry Howie’s) contained sources of petroleum contamination. In 1990, assessments in the area determined the</p>

	<p>contamination area to be larger and appeared to be impacted by additional sources. Shell/Welch’s and Biellings Tire were found to be additional contributing sources. In 1993, AMEC completed a Remedial Action Plan for the sites referred to as “Lake Butler Cluster Sites”. A pump and treat remediation system combined with SVE was installed and began operating in 1995. The system was located on the adjoining property to the west of the subject property and was relocated to the subject property in 2002. AMEC operated the system until 2005, at which time Fortis Environmental took over until 2010 when the system was turned off. In August 2015, a horizontal biosparge system was added to the existing SVE/AS system and consisted of four horizontal wells. The modified system was started in September 2015 and shut down in 2020. In July 2020, the biosparge system and liquid phase carbon vessels were removed from the subject property. According to Mr. Adam Kassees, Senior Environmental Specialist with the ACEPD, a scope of work was recently issued to ATC Associates for collecting a new round of groundwater samples from existing monitoring wells. He also stated that a RAP Modification will be completed to put in a bigger remediation system on the subject property. Mr. Kassees indicated that groundwater contamination is an ongoing issue in the area surrounding the subject property.</p> <p>Documents detailing the above information are included in <b>Appendix F</b>.</p>
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### 4.3 OTHER ENVIRONMENTAL RECORDS

There were no other environmental records files reviewed during this assessment.

### 4.4 HISTORICAL RECORDS REVIEW

#### 4.4.1 Historical Records Inventory

Historical records with information sources reviewed are summarized in the following table:

Year(s)	Record	Source	Year(s)	Record	Source
1913	FIRE	ERIS	2005-2007	AERIAL	ERIS
1920	FIRE	ERIS	2005-2007	AERIAL	ERIS
1938	AERIAL	ERIS	2008	CD	ERIS
1949	AERIAL	ERIS	2010	AERIAL	ERIS
1958	AERIAL	ERIS	2011	CD	ERIS
1965	AERIAL	ERIS	2013	AERIAL	ERIS
1966	TOPO	ERIS	2015	AERIAL	ERIS
1971	AERIAL	ERIS	2015	TOPO	ERIS
1978-1981	AERIAL	ERIS	2016	CD	ERIS
1984	TOPO	ERIS	2017-2019	AERIAL	ERIS
1987	AERIAL	ERIS	2020	CD	ERIS
1993	TOPO	ERIS	2021	TOPO	ERIS
1995	AERIAL	ERIS	2021	AERIAL	ERIS
1998-2000	CD	ERIS	2022	CD	ERIS



2002	CD	ERIS	2023	INTERVIEW	Owner
<b>What was the first year of subject property use?</b>				At least 1949	
<b>Was subject property history determined back to first use or 1940 whichever is earliest?</b>				Yes	
<b>Were all record intervals after first use 5 years or less?</b>				No	
<b>See Section 6.0, Findings and Opinions for further discussion of data failure.</b>					
Sources may be Fire Insurance Maps (FIRE) such as Sanborn, USGS Topographic Maps (TOPO), Aerial Photographs (AERIAL), City Directories (CD), Building Department Records (BLDG), Property Tax Files (TAX), Zoning/Land Use Records (ZONE), Title Records (TITLE), or Interviews with Owners and Others (INTERVIEW). Copies of Historical Records Documentation is provided in <b>Appendix E, Historical Records Documentation</b> .					

#### 4.4.2 Subject Property Historical Summary

Years	Subject Property Conditions
1913	The subject property is not depicted on the fire insurance map.
1920	The subject property is shown as undeveloped land on the fire insurance map.
1938	The subject property is shown as undeveloped land on the aerial photograph.
1949-1965	The subject property appears to be developed with a train depot.
1971-2001	The subject property consists of vacant land.
2002-2018	The subject property is developed with a SVE/AS remediation system and biosparge remediation system.
2020-2023	The subject property is developed with a SVE/AS remediation system shed and a concrete pad from the former biosparge remediation system. The Chain of Title and Lien Search provided by ERIS did not provide any deed information from 1980 to the present.
2023	PPM's site reconnaissance determined the subject property is currently developed with a SVE/AS remediation system shed and a concrete pad from a former remediation system. The remainder of the subject property consists of grassy areas.

#### 4.4.3 Adjoining Property Historical Summary

Years	Adjoining Property Conditions
1913	North – undeveloped land Northeast – residence East – railroad South – unknown West – unknown Northwest – stable and lean-to
1920	North – undeveloped land Northeast – residence East – railroad South – railroad West – Standard Oil Company Northwest – warehouse and lean-to
1938	North – undeveloped land Northeast – residence East – grassy area and railroad South – grassy area and railroad West – Standard Oil Company Northwest – warehouses



Years	Adjoining Property Conditions (Continued)
1949	North – undeveloped land Northeast – residence East – grassy area and railroad South – grassy area and railroad West – vacant land Northwest – warehouses
1958-1964	North – Alltell (telephone company) Northeast – residence East – grassy area and railroad South – grassy area and railroad West – vacant land Northwest – warehouse
1965	North – Alltell (telephone company) Northeast – residence East – grassy area and railroad South – grassy area and railroad West – vacant land Northwest – vacant land
1971-1981	North – Alltell (telephone company) Northeast – residence East – grassy area and railroad South – grassy area and railroad West – vacant land Northwest – warehouse
1987	North – Alltell (telephone company) Northeast – residence East – undeveloped and wooded land South – undeveloped and wooded land West – vacant land Northwest – warehouse
1995-2001	North – Alltell (telephone company) Northeast – residence East – residence South – undeveloped and wooded land West – SVE/AS remediation system Northwest – retail/office structure
2002-2005	North – Alltell (telephone company) Northeast – residence East – residence South – undeveloped and wooded land West – vacant land Northwest – retail/office structure
2006-2023	North – Windstream (internet provider) Northeast – residence East – residence South – undeveloped and wooded land West – vacant land Northwest – retail/office structure

#### 4.4.4 Surrounding Property Historical Summary

Historical and regulatory records indicate that three retail petroleum stations and/or automobile repair facilities (Shell/Welch’s, Shadd’s Facility, and Union 76-Johns) were previously located between 145 and 155 feet to the north, northwest, and north-northeast of the subject property, respectively. One retail petroleum station (Union Beverage / Hungry Howie’s / Cargo / Handi-Way Food Store / Coastal Mart) has been located approximately 280 feet to the northwest of the subject property since 1969. No other suspect land uses were identified in the vicinity of the subject property.

### 5.0 INTERVIEWS

PPM conducted interviews when possible with individuals who may have knowledge of the subject property and surrounding area. The objective of interviews is to obtain information from persons likely to have actual knowledge of current and past uses or conditions of the property, adjoining properties, and surrounding area that may indicate the likelihood of recognized environmental conditions in connection with the subject property. The focus and quality of information is highly variable with each type of contact and individual. The persons interviewed were asked to be as specific as reasonably feasible in answering questions. Interview information is provided below:

<b>INTERVIEW WITH SUBJECT PROPERTY OWNER</b>	
The current owner of the subject property is Union County. The interview documentation with the representative for the County is located in the next table.	

<b>INTERVIEW WITH PRIMARY USER/CLIENT</b>	
<b>Interviewer:</b>	Mr. Kevin Grosjean
<b>Date(s) Attempted:</b>	October 3, 20, and 31, 2023
<b>Name of Contact:</b>	Mr. James Williams
<b>Title / Affiliation:</b>	County Coordinator / Union County
<b>Contact Information:</b>	(386) 496-0027 / <a href="mailto:countycoord@unioncounty-fl.gov">countycoord@unioncounty-fl.gov</a>
Mr. Williams provided project authorization and was sent a Phase I ESA User Questionnaire. As of the date of this report, no response has been received.	

<b>INTERVIEW WITH OWNER REPRESENTATIVE</b>	
Same as the Owner and Primary User/Client.	



<b>INTERVIEW WITH PAST OWNER</b>
PPM was not able to contact the past owners because their contact information was not provided.

<b>INTERVIEW WITH KEY SITE MANAGER</b>
Same as the Owner and Primary User/Client.

<b>INTERVIEW WITH OCCUPANT</b>
There is no occupant because the subject property is currently vacant land.

<b>INTERVIEW WITH ADJOINING OWNER/OCCUPANT</b>
Interviews with adjoining owners/occupants was not conducted because the subject property is not abandoned.

<b>INTERVIEW WITH STATE/LOCAL AGENCY OFFICIAL</b>	
<b>Interviewer:</b>	Mr. Robert Newbold
<b>Date(s) Attempted:</b>	November 15, 2023
<b>Name of Contact:</b>	Mr. Adam Kassees
<b>Title / Affiliation:</b>	Senior Environmental Specialist / ACEPD
<b>Contact Information:</b>	(352) 264-6802 / <a href="mailto:akassees@alachuacounty.us">akassees@alachuacounty.us</a>
Mr. Kassees provided information regarding the petroleum contamination plume in the area surrounding the subject property. He stated that a scope of work was recently issued to ATC Associates for collecting a new round of groundwater samples from existing monitoring wells. He also stated that a RAP Modification will be completed to put in a bigger remediation system on the subject property. Mr. Kassees indicated that petroleum contamination in groundwater is an ongoing issue in the area surrounding the subject property	

<b>INTERVIEW WITH STATE/LOCAL AGENCY OFFICIAL</b>	
<b>Interviewer:</b>	Mr. Robert Newbold
<b>Date(s) Attempted:</b>	November 8, 2023
<b>Name of Contact:</b>	Mr. Tim Allen
<b>Title / Affiliation:</b>	Director / Union County Emergency Management
<b>Contact Information:</b>	(386) 496-4300 / <a href="mailto:allentc@unionsheriff.us">allentc@unionsheriff.us</a>
Mr. Allen was contacted to determine if there records of response to hazardous substance or petroleum product releases on or in the vicinity of the subject property. As of the date of this report, no response has been received.	

## 6.0 FINDINGS AND OPINIONS

This section identifies those features, activities, uses, and conditions that in the judgement of the environmental professional may indicate the presence or likely presence of hazardous substances or petroleum products at the subject property. This information includes a

summary of relevant findings from all sources discussed previously (site reconnaissance, government records, physical setting sources, interviews, historical sources, etc.). The opinions provided below include PPM's rationale for concluding that a finding is or is not a REC, controlled recognized environmental condition (CREC) historical recognized environmental condition (HREC), or de minimis condition insofar as the findings pertain to each of these conditions. If a significant data gap is identified, PPM commented how the missing information that caused the significant data gap affected our ability to provide an opinion as to whether the inquiry has identified conditions indicative of releases or threatened releases in, on, or at the subject property. If there is a significant data gap, a discussion is provided regarding whether additional information would likely assist PPM in determining whether a REC or CREC exists.

## **6.1 DATA GAPS**

Data gaps encountered by this investigation are as follows:

- Data failure identifying subject property use consistently at 5-year intervals.

Because PPM was able to make reasonable conclusions regarding RECs, PPM does not consider this data gap encountered to represent a significant data gap (SDG).

## **6.2 SUBJECT PROPERTY**

### **6.2.1 Current and Historical Property Uses**

The subject property consists of one  $\pm 0.172$ -acre parcel of land (Parcel Number 30-05-20-13-017-0440-0) that is developed with a former SVE/AS remediation system shed and a concrete pad from a former remediation system located on the subject property from 2002 to 2020. The remainder of the subject property consists of grassy areas. The current use of the subject property does not appear to represent a REC. The subject property is not depicted on the 1913 fire insurance map. The 1920 fire insurance map and the 1938 aerial photograph indicate the subject property was undeveloped land. Historical records indicate the subject property was developed with a train depot from at least 1949 to at least 1965 and consisted of vacant land from at least 1971 to 2001.

The subject property is located within a documented groundwater contamination plume that is the result of several retail petroleum stations and/or automobile repair facilities in the surrounding area. These facilities are known as the "Lake Butler Cluster Sites". Due to

contamination resulting from releases of petroleum product from the facilities, a pump and treat remediation system combined with SVE was placed in a down-gradient position on the adjoining property to the west in 1995. The remediation system was relocated to the subject property in 2002 and PPM was not able to determine the reason for the relocation. PPM assumes the remediation system was moved because the subject property is currently owned by the county, vacant, and available. AMEC operated the system until 2005, at which time Fortis Environmental took over until 2010 when the system was turned off. In August 2015, a horizontal biosparge system was added to the existing SVE/AS system and consisted of four horizontal wells. The modified system was started in September 2015 and shut down in 2020. In July 2020, the biosparge system and liquid phase carbon vessels were removed from the subject property. There is no evidence that the historical or current use of the subject property itself is a cause or contributor to the release, but the migration of petroleum hydrocarbons from the cluster sites to the subject property represents evidence of a REC.

## 6.3 ADJOINING/SURROUNDING LAND USES

### 6.3.1 Historical Uses

The historical usage of the adjoining/surrounding properties are not considered to represent RECs.

### 6.3.2 Current Uses

The current usage of the adjoining/surrounding land properties that obviously or possibly made use of hazardous substances or petroleum products are as follows:

- **Groundwater contamination area in the surrounding area.** According to a FDER (currently known as FDEP) Memorandum dated January 4, 1984, a site inspection was requested to determine the source of gasoline in the City of Lake Butler sewage collection system. The memorandum indicated that the City of Lake Butler received a complaint regarding gasoline odors emanating from manholes and from the main sewer lines. Following the complaint, foam was pumped down the sewer lines and the sewer lines were later flushed with water. This procedure removed some of the petroleum odor, but not all of it. The Memorandum stated there were retail petroleum stations within the area that had the strongest gasoline odors in the sewer lines. PPM also reviewed a FDER/FDEP Complaint and Investigation Report dated December 28, 1983. The report stated that the odors were possibly coming from one of three LUST facilities (Shadd's Facility/Shell, Handi-Way Food Store/Union Beverage, and Cargo Station/Hungry Howie's) in the area that are all adjacent to each other.

The Handi-Way Food Store/Union Beverage and Cargo Station/Hungry Howie's sites are on the same property and are considered to be one site. The stations were located in one city block between SW 3<sup>rd</sup> Avenue, SW 2<sup>nd</sup> Avenue, SW 1<sup>st</sup> Street, and West Main Street. The leaked gasoline created a comingled plume of contamination in the soil and groundwater on and in the vicinity of these properties. In January 1984, a recovery and groundwater treatment system began being used to remediate the contamination plume. In 1985, an assessment concluded that both facilities (Shadd's Facility/Shell and Handi-Way Food Store/Union Beverage/Cargo Station/Hungry Howie's) contained sources of petroleum contamination. In 1990, assessments in the area determined the contamination area to be larger and appeared to be impacted by additional sources. Shell/Welch's and Biellings Tire were found to be additional contributing sources. In 1993, AMEC completed a Remedial Action Plan for the sites referred to as "Lake Butler Cluster Sites". A pump and treat remediation system combined with SVE was installed and began operating in 1995. The system was located on the adjoining property to the west of the subject property and was relocated to the subject property in 2002. AMEC operated the system until 2005, at which time Fortis Environmental took over until 2010 when the system was turned off. In August 2015, a horizontal biosparge system was added to the existing SVE/AS system and consisted of four horizontal wells. The modified system was started in September 2015 and shut down in 2020. In July 2020, the biosparge system and liquid phase carbon vessels were removed from the subject property. According to Mr. Adam Kassees, Senior Environmental Specialist with the ACEPD, a scope of work was recently issued to ATC Associates for collecting a new round of groundwater samples from existing monitoring wells associated with the contamination plume. He also stated that a RAP Modification will be completed to put in a bigger remediation system on the subject property. Mr. Kassees indicated that petroleum contamination in groundwater is an ongoing issue in the area surrounding the subject property. The migration of petroleum hydrocarbons from the cluster sites to the subject property represents evidence of a REC.

## 6.4 CONCLUSIONS

PPM has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21 of the Vacant County Parcel (the subject property) located on the southwest corner of SW 1<sup>st</sup> Street and SW 1<sup>st</sup> Avenue in Lake Butler, Florida. Any exceptions to, or deletions from, this practice are described in **Sections 2.5, User Specified Terms, Conditions, and Limitations** of this report.

This assessment has revealed the following RECs, CRECs, and/or SDGs in connection with the subject property.

- **Groundwater contamination area in the surrounding area.** Three LUST facilities (Shadd's Facility/Shell, Handi-Way Food Store/Union Beverage, and Cargo Station/Hungry Howie's) are located between 150 and 280 feet northwest of the subject property. Leaked gasoline from these facilities created a comingled plume of petroleum contamination in groundwater in the surrounding area, which includes the subject property. Two other LUST facilities (Shell/Welch's and Biellings Tire) formerly located approximately 145 and 310 feet to the north of the subject property, respectively, were also found to be additional contributing sources to the groundwater contamination. The media of concern is groundwater and soil vapor. This condition is a REC.

## 6.5 ADDITIONAL INVESTIGATION OPINION

In accordance with Practice E1527-21, PPM has provided an opinion regarding additional appropriate investigation, if any, in the circumstance when greater certainty is required regarding the identification of RECs. This opinion does not render the assessment incomplete and is not intended to constitute a recommendation for a Phase II ESA or other assessment activities. Recommendations are not required by this practice and will only be provided at the request of the user.

It is PPM's professional opinion that additional investigation may be appropriate to detect the presence of hazardous substances beneath the subject property.

## 6.6 ENVIRONMENTAL PROFESSIONAL STATEMENT

I, Robert L. Newbold III, 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. My signature is provided on the cover of this report. My environmental professional qualifications are provided in **Appendix G, Qualifications of Environmental Professionals** of this report.

## 7.0 NON-SCOPE SERVICES

PPM did not provide any additional services outside the scope of Practice E1527-21.

## 8.0 GLOSSARY OF KEY TERMS

The following is a list of key terms used in this report with definitions per Practice E1527-21:

***activity and use limitations (AUL):*** legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, and/or surface water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls, are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil, soil vapor, groundwater, and/or surface water on a property.

***adjoining properties:*** any real property or properties the border of which is contiguous or partially contiguous with that of the subject property, or that would be contiguous or partially contiguous with that of the subject property but for a street, road, or other public thoroughfare separating them.

***bona fide prospective purchaser:*** a person may qualify as a bona fide prospective purchaser if, among other requirements, such person made “all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices.” Knowledge of contamination resulting from all appropriate inquiries would not generally preclude this liability protection. A person must make all appropriate inquiries on or before the date of purchase.

***business environmental risk:*** a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice.

***contiguous property owner:*** a person may qualify for the contiguous property owner liability protection if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substances from other real property that is not owned by that person. Furthermore, such person conducted all appropriate inquiries at the time of acquisition of the subject property and did not know or have reason to know that the subject property was or could be contaminated by a release or threatened release from the contiguous property. The all appropriate inquiries must not result in knowledge of contamination. If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the contiguous property owner liability protection.

***controlled recognized environmental condition (CREC):*** recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).

***data failure:*** a failure to achieve the historical research objectives set by Practice E1527-21 even after reviewing the standard historical sources listed by Practice E1527-21 that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

***data gap:*** a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to, site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.).

***de minimis condition:*** a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition is not a recognized environmental condition nor a controlled recognized environmental condition.

**environment:** CERCLA 42 U.S.C. § 9601(8) defines “environment” to mean (A) the navigable waters, the waters of the contiguous zone, and the ocean waters of which the natural resources are under the exclusive management authority of the United States under the Magnuson-Stevens Fishery Conservation and Management Act [16 U.S.C. 1801 et seq.], and (B) any other surface water, ground water, drinking water supply, land surface or subsurface strata, or ambient air within the United States or under the jurisdiction of the United States.

**environmental lien:** a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property.

**environmental professional:** a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b).

**hazardous substance:** a substance defined as a hazardous substance pursuant to CERCLA 42 U.S.C. §9601(14), as interpreted by EPA regulations and the courts. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a *hazardous substance*, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

**historical recognized environmental condition (HREC):** a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). A historical recognized environmental condition is not a recognized environmental condition.

**innocent landowner:** One of the three Landowner Liability Protections (LLPs). A person may qualify as one of three types of innocent landowners: (i) a person who “did not know and had no reason to know” that contamination existed on the property at the time the purchaser acquired the property; (ii) a government entity which acquired the property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who “acquired the facility by inheritance or bequest.” To qualify for the innocent landowner defense, such person must have made all appropriate inquiries on or before the date of purchase. Furthermore, the all appropriate inquiries must not have resulted in knowledge of the contamination. If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the innocent landowner defense.

**key site manager:** the person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property.

**Landowner Liability Protections (LLPs):** landowner liability protections under CERCLA; these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability. See 42 U.S.C. §§9601(35)(A), 9601(40), 9607(b), 9607(q), 9607(r).

**material threat:** obvious threat which is likely to lead to a release and that, in the opinion of the environmental professional, would likely result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

**migrate/migration:** or the purposes of this practice, “migrate” and “migration” refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.

**obvious:** that which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer.

**owner:** generally the fee owner of record of a property.

**petroleum products:** those substances included within the meaning of the petroleum exclusion to CERCLA, 42 U.S.C. §9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 U.S.C. § 9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to Standard Definitions of Petroleum Statistics.)

**practically reviewable:** information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the subject property without the need for extraordinary analysis of irrelevant data. The form of the information shall be such that the user can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the subject property or a geographic area in which the subject property is located are not generally practically reviewable. Most data-bases of public records are practically reviewable if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practically reviewable. Listings in publicly available records which do not have adequate address information to be located geographically are not generally considered practically reviewable. For large databases with numerous records (such as RCRA hazardous waste generators and registered under-ground storage tanks), the records are not practically reviewable unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be practically reviewable. In other words, when so much information is generated that it cannot be feasibly reviewed regarding its impact on the subject property, it is not practically reviewable.

**property:** real property, including buildings and other fixtures and improvements located on and affixed to the land.

**reasonably ascertainable:** information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.

**recognized environmental condition:** 1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment;(2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment..

**release:** a release of any hazardous substance or petroleum product shall have the same meaning as the definition of “release” in CERCLA 42 U.S.C. § 9601(22)). The first element for establishing CERCLA liability is that there must be a release or threatened release of hazardous substances from a facility or a vessel. A release or threatened release of a hazardous substance includes any “spilling, leaking, lift, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping or disposing into the environment (including the abandonment or discarding of barrels, containers and other closed receptacles containing any hazardous substance, or pollutant or contaminant.”

**significant data gap:** a data gap that affects the ability of the environmental professional to identify a recognized environmental condition.

**subject property:** the property that is the subject of the environmental site assessment described in this practice.

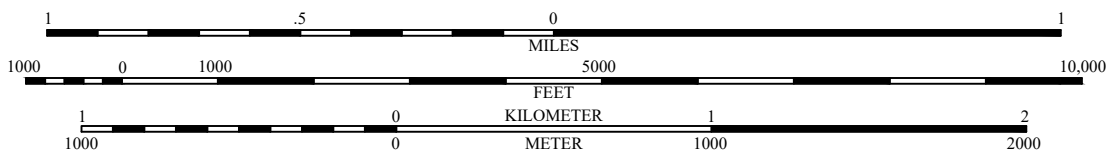
**user:** the party seeking to use Practice E1527 to complete an environmental site assessment of the subject property.


## **APPENDICES**

## **APPENDIX A – FIGURES**



SCALE: 1 : 24,000



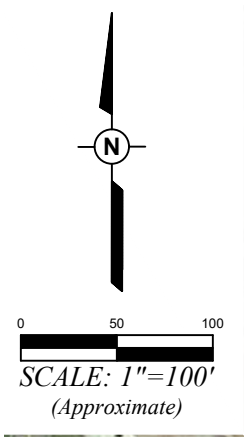
 <b>PPM CONSULTANTS, INC.</b> www.ppmco.com	
DRAWN BY: <b>JCP</b>	DRAWN DATE: <b>11/17/23</b>
PROJECT NUMBER: <b>20165101</b>	PHASE: <b>TASK 15-P1</b>

**UNION COUNTY, FLORIDA**  
**VACANT COUNTY PARCEL**  
 SOUTHWEST CORNER OF SOUTHWEST 1ST  
 STREET AND SOUTHWEST 1ST AVENUE  
 LAKE BUTLER, FLORIDA 32054

**SITE LOCATION MAP**


FIGURE  
NUMBER

**1**



SOURCE: GOOGLE EARTH

I.D.	DESCRIPTION
1	WINDSTREAM
2	RESIDENCE
3	GRASSY AREA
4	WOODED LAND
5	VACANT LAND (FORMER LOCATION OF REMEDIATION SYSTEM)
6	OFFICE / RETAIL STRUCTURE
7	UNION BEVERAGE / HUNGRY HOWIE'S / CARGO (ALSO KNOWN AS HANDI-WAY FOOD STORE / COASTAL MART)
8	SHADD'S FACILITY SHELL
9	SHELL / WELCH'S
10	UNION-76 - JOHN'S

 <b>PPM CONSULTANTS, INC.</b> <a href="http://www.ppmco.com">www.ppmco.com</a>	
DRAWN BY: <b>JCP</b>	DRAWN DATE: <b>11/17/23</b>
PROJECT NUMBER: <b>20165101</b>	PHASE: <b>TASK 15-P1</b>

**UNION COUNTY, FLORIDA**  
**VACANT COUNTY PARCEL**  
 SOUTHWEST CORNER OF SOUTHWEST 1ST STREET AND  
 SOUTHWEST 1ST AVENUE  
 LAKE BUTLER, FLORIDA 32054

**SITE / AREA MAP**

FIGURE  
 NUMBER  
  
**2**

**APPENDIX B – USER PROVIDED INFORMATION  
(NOT PROVIDED)**

**APPENDIX C – SITE PHOTOGRAPHS**



PHOTOGRAPH 1

View of the west portion of the subject property, facing northeast.



PHOTOGRAPH 2

View of the south side of a remediation system shed on the west portion of the subject property, facing north.



PHOTOGRAPH 3

View of the east and south sides of a remediation system shed on the west portion of the subject property, facing northwest.



PHOTOGRAPH 4

View of a concrete pad from a former remediation system on the subject property, facing northeast.



PHOTOGRAPH 5

View of the north portion of the subject property, facing northwest.



PHOTOGRAPH 6

View of the south portion of the subject property, facing east-northeast.



PHOTOGRAPH 7

View of Windstream (internet provider) on the adjoining property to the north, across SW 1<sup>st</sup> Street, facing north.



PHOTOGRAPH 8

View of a residence on the adjoining property to the northeast, across SW 1<sup>st</sup> Street and SW 1<sup>st</sup> Avenue, facing northeast.



PHOTOGRAPH 9

View of a residence on the adjoining property to the east, across SW 1<sup>st</sup> Avenue, facing east-southeast.



PHOTOGRAPH 10

View of vacant land on the adjoining property to the west, facing north.



PHOTOGRAPH 11

Typical view of a groundwater monitoring well the adjoining property to the west.



PHOTOGRAPH 12

View of a retail/office structure on the adjoining property to the northwest, across SW 1<sup>st</sup> Street, facing north-northwest.

**APPENDIX D – REGULATORY RESEARCH DOCUMENTATION**



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# DATABASE REPORT

**Project Property:** *Vacant County Parcel  
sw 1st st and sw 1st ave lake butler  
Lake Butler FL 32054*

**Project No:** *20165101 - Task 15*

**Report Type:** *Database Report*

**Order No:** *23100900124*

**Requested by:** *PPM Consultants, Inc.*

**Date Completed:** *October 11, 2023*

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## **Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY**

**Reliance on information in Report:** This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

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# Executive Summary

## Property Information:

**Project Property:** *Vacant County Parcel  
sw 1st st and sw 1st ave lake butler Lake Butler FL 32054*

**Project No:** *20165101 - Task 15*

**Coordinates:**

<b>Latitude:</b>	<i>30.02224402</i>
<b>Longitude:</b>	<i>-82.33923859</i>
<b>UTM Northing:</b>	<i>3,322,005.42</i>
<b>UTM Easting:</b>	<i>370,856.44</i>
<b>UTM Zone:</b>	<i>UTM Zone 17R</i>

**Elevation:** *136 FT*

## Order Information:

**Order No:** *23100900124*

**Date Requested:** *October 9, 2023*

**Requested by:** *PPM Consultants, Inc.*

**Report Type:** *Database Report*

## Historicals/Products:

<b>Aerial Photographs</b>	<i>Historical Aerials (with Project Boundaries)</i>
<b>Chain of Title &amp; Lien Searches</b>	<i>ASTM E1527-21 Compliant Environmental Lien Search (back to 1980)</i>
<b>City Directory Search</b>	<i>CD - 2 Street Search</i>
<b>ERIS Xplorer</b>	<a href="#"><i>ERIS Xplorer</i></a>
<b>Excel Add-On</b>	<i>Excel Add-On</i>
<b>Fire Insurance Maps</b>	<i>US Fire Insurance Maps</i>
<b>Physical Setting Report (PSR)</b>	<i>Physical Setting Report (PSR)</i>
<b>Topographic Map</b>	<i>Topographic Maps</i>

# Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<b><u>Standard Environmental Records</u></b>								
<b>Federal</b>								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0
<b>State</b>								
SHWS	Y	1	0	0	0	0	0	0
DELISTED SHWS	Y	1	0	0	0	0	0	0
ERIC	Y	1	0	1	0	0	0	1
CLEANUP DEP	Y	1	0	1	0	0	0	1
WCRPS	Y	1	0	0	0	0	0	0
DELISTED WCP	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
LST	Y	0.5	0	4	3	1	-	8
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	6	4	-	-	10
AST	Y	0.25	0	1	1	-	-	2
TANK	Y	0.25	0	0	0	-	-	0
DEL UST AST TANK	Y	0.25	0	0	0	-	-	0
DEL STORAGE TANK	Y	0.25	0	0	0	-	-	0
FF TANKS	Y	0.25	0	0	0	-	-	0
STCS	Y	0.5	0	7	5	3	-	15
INST	Y	0.5	0	0	0	0	-	0
ENG	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
BROWNFIELD AREA	Y	0.5	0	0	0	0	-	0
HAZ WASTE FAC	Y	0.5	0	0	0	0	-	0
<b>Tribal</b>								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0

County **No County databases were selected to be included in the search.**

**Additional Environmental Records**

**Federal**

FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0

<b>Database</b>	<b>Searched</b>	<b>Search Radius</b>	<b>Project Property</b>	<b>Within 0.12mi</b>	<b>0.125mi to 0.25mi</b>	<b>0.25mi to 0.50mi</b>	<b>0.50mi to 1.00mi</b>	<b>Total</b>
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	1	0	-	-	1
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0

**State**

PRIORITYCLEAN	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
HISTORICAL DRYC	Y	0.25	0	0	0	-	-	0
SPILLS	Y	0.125	0	1	-	-	-	1
DWM CONTAM	Y	0.5	0	5	3	2	-	10
DEL CONTAM SITE	Y	0.5	0	0	0	1	-	1
PFAS AFFF	Y	0.5	0	0	0	0	-	0
PFAS	Y	0.5	0	0	0	0	-	0
GW CONTAM	Y	0.125	0	0	-	-	-	0
UIC	Y	PO	0	-	-	-	-	0
WELL SURVEILLANCE	Y	0.25	0	5	3	-	-	8
CDV SOUTHEAST	Y	0.5	0	0	0	0	-	0
TIER 2	Y	0.125	0	1	-	-	-	1
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0

**Tribal**

**No Tribal additional environmental record sources available for this State.**

**County**

**No County additional environmental databases were selected to be included in the search.**

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**Total: 0 33 19 7 0 59**

\* PO – Property Only

\* 'Property and adjoining properties' database search radii are set at 0.25 miles.

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">1</a>	UST	ALLTEL FL INC-LK BUTLER	80 SW 1ST ST LAKE BUTLER FL 32054	NE	0.01 / 36.55	-1	<a href="#">26</a>
			<i>Facility ID   Facility Status:</i> 8731673   OPEN <i>Tank Status   Status Date:</i> U - IN SERVICE				
<a href="#">1</a>	TIER 2	Lake Butler Central Office	80 SW 1st St Lake Butler FL 32054	NE	0.01 / 36.55	-1	<a href="#">26</a>
<a href="#">1</a>	STCS	ALLTEL FL INC-LK BUTLER	80 SW 1ST ST LAKE BUTLER FL 32054	NE	0.01 / 36.55	-1	<a href="#">27</a>
			<i>Facility ID   Fac Stat(OpenData):</i> 8731673   OPEN				
<a href="#">2</a>	SPILLS		102 West Main Street LAKE BUTLER FL	N	0.04 / 205.79	4	<a href="#">29</a>
			<i>Incident No   Incident Date:</i> 46455   01/04/2012				
<a href="#">3</a>	LST	UNION 76-JOHNS	80 W MAIN ST LAKE BUTLER FL 32054-1638	NE	0.04 / 225.59	4	<a href="#">29</a>
			<i>Facility ID   Facility Status:</i> 8519168   CLOSED <i>Cleanup Required:</i> R - CLEANUP REQUIRED				
<a href="#">3</a>	WELL SURVEILLANCE	UNION 76 JOHNS	80 W MAIN ST LAKE BUTLER FL 32054	NE	0.04 / 225.59	4	<a href="#">32</a>
<a href="#">3</a>	DWM CONTAM	UNION 76-JOHNS	80 W MAIN ST LAKE BUTLER FL 32054	NE	0.04 / 225.59	4	<a href="#">32</a>
			<i>Facility ID:</i> 8519168				
<a href="#">3</a>	UST	UNION 76-JOHNS	80 W MAIN ST LAKE BUTLER FL 32054	NE	0.04 / 225.59	4	<a href="#">33</a>
			<i>Facility ID   Facility Status:</i> 8519168   CLOSED <i>Tank Status   Status Date:</i> B - REMOVED FROM SITE   31-JAN-1987, B - REMOVED FROM SITE   31-JAN-1987, B - REMOVED FROM SITE   01-SEP-1994, B - REMOVED FROM SITE   31-JAN-1987, B - REMOVED FROM SITE   31-JAN-1987, B - REMOVED FROM SITE   01-SEP-1994, B - REMOVED FROM SITE   01-SEP-1994				
<a href="#">3</a>	STCS	UNION 76-JOHNS	80 W MAIN ST LAKE BUTLER FL 32054	NE	0.04 / 225.59	4	<a href="#">34</a>
			<i>Facility ID   Fac Stat(OpenData):</i> 8519168   CLOSED				
<a href="#">4</a>	LST	SHADDS FACILITY	220 W MAIN ST LAKE BUTLER FL 32054	NW	0.05 / 250.73	5	<a href="#">37</a>
			<i>Facility ID   Facility Status:</i> 9807182   CLOSED <i>Cleanup Required:</i> R - CLEANUP REQUIRED				
<a href="#">4</a>	SSTS	TRU BLU POOL SERVICE & SUPPIES, LLC	220 W. MAIN STREET - LAKE BUTLER FL 32054	NW	0.05 / 250.73	5	<a href="#">40</a>
			<i>Establishment No:</i> 89352-FL-1				
<a href="#">4</a>	WELL SURVEILLANCE	SHADDS FACILITY	220 W MAIN ST LAKE BUTLER FL 32054	NW	0.05 / 250.73	5	<a href="#">40</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">4</a>	DWM CONTAM	SHADDS FACILITY	220 W MAIN ST LAKE BUTLER FL 32054 <i>Facility ID:</i> 9807182	NW	0.05 / 250.73	5	<a href="#">41</a>
<a href="#">4</a>	STCS	SHADDS FACILITY	220 W MAIN ST LAKE BUTLER FL 32054 <i>Facility ID   Fac Stat(OpenData):</i> 9807182   CLOSED	NW	0.05 / 250.73	5	<a href="#">41</a>
<a href="#">5</a>	WELL SURVEILLANCE	SHELL WELCH'S	120 W MAIN ST LAKE BUTLER FL 32054	N	0.05 / 272.20	4	<a href="#">42</a>
<a href="#">5</a>	UST	SHELL-WELCHS	120 W MAIN ST LAKE BUTLER FL 32054 <i>Facility ID   Facility Status:</i> 8734032   CLOSED <i>Tank Status   Status Date:</i> B - REMOVED FROM SITE   01-DEC-1998, B - REMOVED FROM SITE   31-DEC-1989, B - REMOVED FROM SITE   31-DEC-1989, B - REMOVED FROM SITE   01-DEC-1998, B - REMOVED FROM SITE   31-DEC-1989, B - REMOVED FROM SITE   31-DEC-1989	N	0.05 / 272.20	4	<a href="#">43</a>
<a href="#">5</a>	STCS	SHELL-WELCHS	120 W MAIN ST LAKE BUTLER FL 32054 <i>Facility ID   Fac Stat(OpenData):</i> 8734032   CLOSED	N	0.05 / 272.20	4	<a href="#">44</a>
<a href="#">6</a>	LST	UNION COUNTY PROPERTY	115 W MAIN ST LAKE BUTLER FL 32054- 8316 <i>Facility ID   Facility Status:</i> 8517147   CLOSED <i>Cleanup Required:</i> R - CLEANUP REQUIRED	N	0.07 / 377.52	5	<a href="#">46</a>
<a href="#">6</a>	WELL SURVEILLANCE	UNION CO. PROPERTY	115 W MAIN ST LAKE BUTLER FL 32054	N	0.07 / 377.52	5	<a href="#">49</a>
<a href="#">6</a>	DWM CONTAM	UNION COUNTY PROPERTY	115 W MAIN ST LAKE BUTLER FL 32054 <i>Facility ID:</i> 8517147	N	0.07 / 377.52	5	<a href="#">50</a>
<a href="#">6</a>	UST	UNION COUNTY PROPERTY	115 W MAIN ST LAKE BUTLER FL 32054 <i>Facility ID   Facility Status:</i> 8517147   CLOSED <i>Tank Status   Status Date:</i> B - REMOVED FROM SITE   31-OCT-1989, B - REMOVED FROM SITE   31-OCT-1989, B - REMOVED FROM SITE   31-OCT-1989	N	0.07 / 377.52	5	<a href="#">50</a>
<a href="#">6</a>	STCS	UNION COUNTY PROPERTY	115 W MAIN ST LAKE BUTLER FL 32054 <i>Facility ID   Fac Stat(OpenData):</i> 8517147   CLOSED	N	0.07 / 377.52	5	<a href="#">51</a>
<a href="#">6</a>	STCS	BIELLINGS STATION	HWY 238 LAKE BUTLER FL 32054 <i>Facility ID   Fac Stat(OpenData):</i> 8517148   CLOSED	N	0.07 / 377.52	5	<a href="#">53</a>
<a href="#">7</a>	UST	UNION BEVERAGE	260 W MAIN ST LAKE BUTLER FL 32054 <i>Facility ID   Facility Status:</i> 8517149   OPEN <i>Tank Status   Status Date:</i> B - REMOVED FROM SITE   21-MAR-2005, U - IN SERVICE   01-MAR-2005, B - REMOVED FROM SITE   01-JUN-2004, B - REMOVED FROM SITE   01-JUN-2004, B - REMOVED FROM SITE   01-JUN-2004, B - REMOVED FROM SITE   01-JUN-2004	WNW	0.08 / 404.50	8	<a href="#">55</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">7</a>	LST	UNION BEVERAGE	260 W MAIN ST LAKE BUTLER FL 32054  <i>Facility ID   Facility Status:</i> 8517149   OPEN <i>Cleanup Required:</i> R - CLEANUP REQUIRED	WNW	0.08 / 404.50	8	<a href="#">57</a>
<a href="#">7</a>	DWM CONTAM	UNION BEVERAGE	260 W MAIN ST LAKE BUTLER FL 32054  <i>Facility ID:</i> 8517149	WNW	0.08 / 404.50	8	<a href="#">60</a>
<a href="#">7</a>	STCS	UNION BEVERAGE	260 W MAIN ST LAKE BUTLER FL 32054  <i>Facility ID   Fac Stat(OpenData):</i> 8517149   OPEN	WNW	0.08 / 404.50	8	<a href="#">61</a>
<a href="#">8</a>	WELL SURVEILLANCE	Hungry Howies	280 W Main ST LAKE BUTLER FL 32054	WNW	0.08 / 428.54	8	<a href="#">63</a>
<a href="#">9</a>	DWM CONTAM	Lake Butler Gasoline Contamination	SW 3 St. & Main St Lake Butler FL 32054  <i>Facility ID:</i> 121376	WNW	0.09 / 493.97	8	<a href="#">64</a>
<a href="#">9</a>	CLEANUP DEP	Lake Butler Gasoline Contamination	SW 3 St. & Main St Lake Butler FL 32054-0	WNW	0.09 / 493.97	8	<a href="#">65</a>
<a href="#">9</a>	ERIC	Lake Butler Gasoline Contamination	SW 3 St. & Main St Lake Butler FL 32054	WNW	0.09 / 493.97	8	<a href="#">65</a>
<a href="#">10</a>	UST	FL DEPT OF TRANSPORTATION- RAIFORD YARD	HWY 229 RAIFORD FL 32083  <i>Facility ID   Facility Status:</i> 8626006   CLOSED <i>Tank Status   Status Date:</i> B - REMOVED FROM SITE   01-MAR-1994, B - REMOVED FROM SITE   30-JUN-1990, B - REMOVED FROM SITE   01-MAR-1994	W	0.10 / 544.60	-1	<a href="#">66</a>
<a href="#">10</a>	AST	FL DEPT OF TRANSPORTATION- RAIFORD YARD	HWY 229 RAIFORD FL 32083  <i>Facility ID   Facility Status:</i> 8626006   CLOSED <i>Tank Status   Status Date:</i> B - REMOVED FROM SITE   01-SEP-1996, B - REMOVED FROM SITE   01-SEP-1996	W	0.10 / 544.60	-1	<a href="#">66</a>
<a href="#">11</a>	LST	ARCHER SERVICE STATION	180 E MAIN ST LAKE BUTLER FL 32054- 1726  <i>Facility ID   Facility Status:</i> 8517153   CLOSED <i>Cleanup Required:</i> R - CLEANUP REQUIRED	ENE	0.13 / 680.38	4	<a href="#">67</a>
<a href="#">11</a>	WELL SURVEILLANCE	ARCHER SERVICE STATION	180 E MAIN ST LAKE BULTER FL 32054	ENE	0.13 / 680.38	4	<a href="#">70</a>
<a href="#">11</a>	DWM CONTAM	ARCHER SERVICE STATION	180 E MAIN ST LAKE BUTLER FL 32054  <i>Facility ID:</i> 8517153	ENE	0.13 / 680.38	4	<a href="#">70</a>
<a href="#">11</a>	UST	ARCHER SERVICE STATION	180 E MAIN ST LAKE BUTLER FL 32054	ENE	0.13 / 680.38	4	<a href="#">71</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number	
			<b>Facility ID   Facility Status:</b> 8517153   CLOSED <b>Tank Status   Status Date:</b> A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   , A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   30-JUN-1987, B - REMOVED FROM SITE   31-AUG-1993, A - CLOSED IN PLACE   31-DEC-1988, A - CLOSED IN PLACE   31-AUG-1993, A - CLOSED IN PLACE   31-AUG-1993, A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   31-AUG-1993					
<a href="#">11</a>	STCS	ARCHER SERVICE STATION	180 E MAIN ST LAKE BUTLER FL 32054	ENE	0.13 / 680.38	4	<a href="#">73</a>	
			<b>Facility ID   Fac Stat(OpenData):</b> 8517153   CLOSED					
<a href="#">12</a>	LST	LAKE BUTLER CITY	125 E MAIN ST LAKE BUTLER FL 32054- 1725	ENE	0.14 / 717.41	4	<a href="#">77</a>	
			<b>Facility ID   Facility Status:</b> 8519166   CLOSED <b>Cleanup Required:</b> R - CLEANUP REQUIRED					
<a href="#">12</a>	UST	LAKE BUTLER CITY	125 E MAIN ST LAKE BUTLER FL 32054	ENE	0.14 / 717.41	4	<a href="#">79</a>	
			<b>Facility ID   Facility Status:</b> 8519166   CLOSED <b>Tank Status   Status Date:</b> B - REMOVED FROM SITE   30-JUN-1991					
<a href="#">12</a>	AST	LAKE BUTLER CITY	125 E MAIN ST LAKE BUTLER FL 32054	ENE	0.14 / 717.41	4	<a href="#">80</a>	
			<b>Facility ID   Facility Status:</b> 8519166   CLOSED <b>Tank Status   Status Date:</b> B - REMOVED FROM SITE   30-JUN-1991					
<a href="#">12</a>	STCS	LAKE BUTLER CITY	125 E MAIN ST LAKE BUTLER FL 32054	ENE	0.14 / 717.41	4	<a href="#">80</a>	
			<b>Facility ID   Fac Stat(OpenData):</b> 8519166   CLOSED					
<a href="#">12</a>	DWM CONTAM	LAKE BUTLER CITY	125 E MAIN ST LAKE BUTLER FL 32054	ENE	0.14 / 717.41	4	<a href="#">82</a>	
			<b>Facility ID:</b> 8519166					
<a href="#">13</a>	WELL SURVEILLANCE	FORMER COASTAL MART	SW 4TH AVE AND SR 100 LAKE BUTLER FL 32054	WNW	0.17 / 905.80	1	<a href="#">82</a>	
<a href="#">14</a>	LST	CNB NATIONAL BANK	SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054	WNW	0.17 / 909.33	1	<a href="#">83</a>	
			<b>Facility ID   Facility Status:</b> 9300907   CLOSED <b>Cleanup Required:</b> R - CLEANUP REQUIRED					
<a href="#">14</a>	UST	CNB NATIONAL BANK	SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054	WNW	0.17 / 909.33	1	<a href="#">85</a>	
			<b>Facility ID   Facility Status:</b> 9300907   CLOSED <b>Tank Status   Status Date:</b> B - REMOVED FROM SITE   30-SEP-1993, B - REMOVED FROM SITE   30-SEP-1993, B - REMOVED FROM SITE   30-SEP-1993					
<a href="#">14</a>	STCS	CNB NATIONAL BANK	SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054	WNW	0.17 / 909.33	1	<a href="#">86</a>	
			<b>Facility ID   Fac Stat(OpenData):</b> 9300907   CLOSED					
<a href="#">14</a>	STCS	WILMAS VARIETY STORE	RT 1 BOX 654 LAKE BUTLER FL 32054	WNW	0.17 / 909.33	1	<a href="#">88</a>	
			<b>Facility ID   Fac Stat(OpenData):</b> 8627815   CLOSED					
<a href="#">14</a>	DWM CONTAM	CNB NATIONAL BANK	SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054	WNW	0.17 / 909.33	1	<a href="#">90</a>	

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number	
			<i>Facility ID:</i> 9300907					
<a href="#">15</a>	WELL SURVEILLANCE	HITCHING POST LOUNGE	440 W MAIN ST LAKE BUTLER FL 32054	W	0.23 / 1,195.48	0	<a href="#">90</a>	
<a href="#">15</a>	UST	HITCHING POST LOUNGE	440 W MAIN ST LAKE BUTLER FL 32054	W	0.23 / 1,195.48	0	<a href="#">91</a>	
			<i>Facility ID   Facility Status:</i> 9400285   CLOSED <i>Tank Status   Status Date:</i> B - REMOVED FROM SITE   30-SEP-1993, B - REMOVED FROM SITE   30-SEP-1993, B - REMOVED FROM SITE   30-SEP-1993					
<a href="#">15</a>	STCS	HITCHING POST LOUNGE	440 W MAIN ST LAKE BUTLER FL 32054	W	0.23 / 1,195.48	0	<a href="#">91</a>	
			<i>Facility ID   Fac Stat(OpenData):</i> 9400285   CLOSED					
<a href="#">16</a>	STCS	THOMAS PROPERTY	1 MI E OF US 90 SR 231 LAKE BUTLER FL 32087	W	0.31 / 1,620.20	2	<a href="#">93</a>	
			<i>Facility ID   Fac Stat(OpenData):</i> 8735829   CLOSED					
<a href="#">17</a>	LST	CIRCLE K #2722432	585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054- 9323	SW	0.41 / 2,180.18	0	<a href="#">95</a>	
			<i>Facility ID   Facility Status:</i> 8517157   OPEN <i>Cleanup Required:</i> R - CLEANUP REQUIRED					
<a href="#">17</a>	DEL CONTAM SITE	HANDY WAY FOOD STORE #2432	585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054	SW	0.41 / 2,180.18	0	<a href="#">97</a>	
<a href="#">17</a>	DWM CONTAM	HANDY WAY FOOD STORE #2432	585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054 <i>Facility ID:</i> 8517157 <i>Facility Status:</i> ACTIVE	SW	0.41 / 2,180.18	0	<a href="#">97</a>	
<a href="#">17</a>	STCS	CIRCLE K #2722432	585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054 <i>Facility ID   Fac Stat(OpenData):</i> 8517157   OPEN	SW	0.41 / 2,180.18	0	<a href="#">98</a>	
<a href="#">17</a>	DWM CONTAM	CIRCLE K #2722432	585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054 <i>Facility ID:</i> 8517157	SW	0.41 / 2,180.18	0	<a href="#">101</a>	
<a href="#">18</a>	STCS	LAKE BUTLER CTY WWTF	SW SR 121 LAKE BUTLER FL 32054 <i>Facility ID   Fac Stat(OpenData):</i> 9806957   OPEN	WSW	0.44 / 2,301.09	2	<a href="#">101</a>	

## Executive Summary: Summary by Data Source

### Standard

#### State

##### ERIC - ERIC Waste Cleanup

A search of the ERIC database, dated Aug 10, 2023 has found that there are 1 ERIC site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Lake Butler Gasoline Contamination	SW 3 St. & Main St Lake Butler FL 32054	WNW	0.09 / 493.97	<a href="#"><u>9</u></a>

##### CLEANUP DEP - Florida Department of Environmental Protection Cleanup Sites

A search of the CLEANUP DEP database, dated Aug 11, 2023 has found that there are 1 CLEANUP DEP site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Lake Butler Gasoline Contamination	SW 3 St. & Main St Lake Butler FL 32054-0	WNW	0.09 / 493.97	<a href="#"><u>9</u></a>

#### LST - Leaking Tanks

A search of the LST database, dated Jun 28, 2023 has found that there are 8 LST site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNION 76-JOHNS	80 W MAIN ST LAKE BUTLER FL 32054-1638	NE	0.04 / 225.59	<a href="#"><u>3</u></a>
	<i>Facility ID   Facility Status: 8519168   CLOSED Cleanup Required: R - CLEANUP REQUIRED</i>			
SHADDS FACILITY	220 W MAIN ST LAKE BUTLER FL 32054	NW	0.05 / 250.73	<a href="#"><u>4</u></a>
	<i>Facility ID   Facility Status: 9807182   CLOSED Cleanup Required: R - CLEANUP REQUIRED</i>			
UNION COUNTY PROPERTY	115 W MAIN ST LAKE BUTLER FL 32054-8316	N	0.07 / 377.52	<a href="#"><u>6</u></a>
	<i>Facility ID   Facility Status: 8517147   CLOSED Cleanup Required: R - CLEANUP REQUIRED</i>			
UNION BEVERAGE	260 W MAIN ST LAKE BUTLER FL 32054	WNW	0.08 / 404.50	<a href="#"><u>7</u></a>
	<i>Facility ID   Facility Status: 8517149   OPEN Cleanup Required: R - CLEANUP REQUIRED</i>			

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ARCHER SERVICE STATION	180 E MAIN ST LAKE BUTLER FL 32054-1726	ENE	0.13 / 680.38	<a href="#">11</a>
	<b>Facility ID   Facility Status:</b> 8517153   CLOSED <b>Cleanup Required:</b> R - CLEANUP REQUIRED			
LAKE BUTLER CITY	125 E MAIN ST LAKE BUTLER FL 32054-1725	ENE	0.14 / 717.41	<a href="#">12</a>
	<b>Facility ID   Facility Status:</b> 8519166   CLOSED <b>Cleanup Required:</b> R - CLEANUP REQUIRED			
CNB NATIONAL BANK	SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054	WNW	0.17 / 909.33	<a href="#">14</a>
	<b>Facility ID   Facility Status:</b> 9300907   CLOSED <b>Cleanup Required:</b> R - CLEANUP REQUIRED			
CIRCLE K #2722432	585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054-9323	SW	0.41 / 2,180.18	<a href="#">17</a>
	<b>Facility ID   Facility Status:</b> 8517157   OPEN <b>Cleanup Required:</b> R - CLEANUP REQUIRED			

### UST - Underground Storage Tanks

A search of the UST database, dated Aug 11, 2023 has found that there are 10 UST site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNION 76-JOHNS	80 W MAIN ST LAKE BUTLER FL 32054	NE	0.04 / 225.59	<a href="#">3</a>
	<b>Facility ID   Facility Status:</b> 8519168   CLOSED <b>Tank Status   Status Date:</b> B - REMOVED FROM SITE   31-JAN-1987, B - REMOVED FROM SITE   31-JAN-1987, B - REMOVED FROM SITE   01-SEP-1994, B - REMOVED FROM SITE   31-JAN-1987, B - REMOVED FROM SITE   31-JAN-1987, B - REMOVED FROM SITE   01-SEP-1994, B - REMOVED FROM SITE   01-SEP-1994			
SHELL-WELCHS	120 W MAIN ST LAKE BUTLER FL 32054	N	0.05 / 272.20	<a href="#">5</a>
	<b>Facility ID   Facility Status:</b> 8734032   CLOSED <b>Tank Status   Status Date:</b> B - REMOVED FROM SITE   01-DEC-1998, B - REMOVED FROM SITE   31-DEC-1989, B - REMOVED FROM SITE   31-DEC-1989, B - REMOVED FROM SITE   01-DEC-1998, B - REMOVED FROM SITE   31-DEC-1989, B - REMOVED FROM SITE   31-DEC-1989			
UNION COUNTY PROPERTY	115 W MAIN ST LAKE BUTLER FL 32054	N	0.07 / 377.52	<a href="#">6</a>
	<b>Facility ID   Facility Status:</b> 8517147   CLOSED <b>Tank Status   Status Date:</b> B - REMOVED FROM SITE   31-OCT-1989, B - REMOVED FROM SITE   31-OCT-1989, B - REMOVED FROM SITE   31-OCT-1989, B - REMOVED FROM SITE   31-OCT-1989			
UNION BEVERAGE	260 W MAIN ST LAKE BUTLER FL 32054	WNW	0.08 / 404.50	<a href="#">7</a>
	<b>Facility ID   Facility Status:</b> 8517149   OPEN <b>Tank Status   Status Date:</b> B - REMOVED FROM SITE   21-MAR-2005, U - IN SERVICE   01-MAR-2005, B - REMOVED FROM SITE   01-JUN-2004, B - REMOVED FROM SITE   01-JUN-2004, B - REMOVED FROM SITE   01-JUN-2004, B - REMOVED FROM SITE   01-JUN-2004			
ARCHER SERVICE STATION	180 E MAIN ST LAKE BUTLER FL 32054	ENE	0.13 / 680.38	<a href="#">11</a>
	<b>Facility ID   Facility Status:</b> 8517153   CLOSED <b>Tank Status   Status Date:</b> A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   , A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   30-JUN-1987, B - REMOVED FROM SITE   31-AUG-1993, A - CLOSED IN PLACE   31-DEC-1988, A - CLOSED IN PLACE   31-AUG-1993, A - CLOSED IN PLACE			

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
31-AUG-1993, A - CLOSED IN PLACE   30-JUN-1987, A - CLOSED IN PLACE   31-AUG-1993				
LAKE BUTLER CITY	125 E MAIN ST LAKE BUTLER FL 32054	ENE	0.14 / 717.41	<a href="#">12</a>
<i>Facility ID   Facility Status: 8519166   CLOSED</i> <i>Tank Status   Status Date: B - REMOVED FROM SITE   30-JUN-1991</i>				
CNB NATIONAL BANK	SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054	WNW	0.17 / 909.33	<a href="#">14</a>
<i>Facility ID   Facility Status: 9300907   CLOSED</i> <i>Tank Status   Status Date: B - REMOVED FROM SITE   30-SEP-1993, B - REMOVED FROM SITE   30-SEP-1993, B - REMOVED FROM SITE   30-SEP-1993</i>				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ALLTEL FL INC-LK BUTLER	80 SW 1ST ST LAKE BUTLER FL 32054	NE	0.01 / 36.55	<a href="#">1</a>
<i>Facility ID   Facility Status: 8731673   OPEN</i> <i>Tank Status   Status Date: U - IN SERVICE  </i>				
FL DEPT OF TRANSPORTATION-RAIFORD YARD	HWY 229 RAIFORD FL 32083	W	0.10 / 544.60	<a href="#">10</a>
<i>Facility ID   Facility Status: 8626006   CLOSED</i> <i>Tank Status   Status Date: B - REMOVED FROM SITE   01-MAR-1994, B - REMOVED FROM SITE   30-JUN-1990, B - REMOVED FROM SITE   01-MAR-1994</i>				
HITCHING POST LOUNGE	440 W MAIN ST LAKE BUTLER FL 32054	W	0.23 / 1,195.48	<a href="#">15</a>
<i>Facility ID   Facility Status: 9400285   CLOSED</i> <i>Tank Status   Status Date: B - REMOVED FROM SITE   30-SEP-1993, B - REMOVED FROM SITE   30-SEP-1993, B - REMOVED FROM SITE   30-SEP-1993</i>				

### **AST - Aboveground Storage Tanks**

A search of the AST database, dated Aug 11, 2023 has found that there are 2 AST site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LAKE BUTLER CITY	125 E MAIN ST LAKE BUTLER FL 32054	ENE	0.14 / 717.41	<a href="#">12</a>
<i>Facility ID   Facility Status: 8519166   CLOSED</i> <i>Tank Status   Status Date: B - REMOVED FROM SITE   30-JUN-1991</i>				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FL DEPT OF TRANSPORTATION-RAIFORD YARD	HWY 229 RAIFORD FL 32083	W	0.10 / 544.60	<a href="#">10</a>
<i>Facility ID   Facility Status: 8626006   CLOSED</i> <i>Tank Status   Status Date: B - REMOVED FROM SITE   01-SEP-1996, B - REMOVED FROM SITE   01-SEP-1996</i>				

### **STCS - Storage Tank/Contaminated Facility Search**

A search of the STCS database, dated Aug 31, 2023 has found that there are 15 STCS site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNION 76-JOHNS	80 W MAIN ST LAKE BUTLER FL 32054	NE	0.04 / 225.59	<a href="#"><u>3</u></a>
	<i>Facility ID   Fac Stat(OpenData): 8519168   CLOSED</i>			
SHADDS FACILITY	220 W MAIN ST LAKE BUTLER FL 32054	NW	0.05 / 250.73	<a href="#"><u>4</u></a>
	<i>Facility ID   Fac Stat(OpenData): 9807182   CLOSED</i>			
SHELL-WELCHS	120 W MAIN ST LAKE BUTLER FL 32054	N	0.05 / 272.20	<a href="#"><u>5</u></a>
	<i>Facility ID   Fac Stat(OpenData): 8734032   CLOSED</i>			
BIELLINGS STATION	HWY 238 LAKE BUTLER FL 32054	N	0.07 / 377.52	<a href="#"><u>6</u></a>
	<i>Facility ID   Fac Stat(OpenData): 8517148   CLOSED</i>			
UNION COUNTY PROPERTY	115 W MAIN ST LAKE BUTLER FL 32054	N	0.07 / 377.52	<a href="#"><u>6</u></a>
	<i>Facility ID   Fac Stat(OpenData): 8517147   CLOSED</i>			
UNION BEVERAGE	260 W MAIN ST LAKE BUTLER FL 32054	WNW	0.08 / 404.50	<a href="#"><u>7</u></a>
	<i>Facility ID   Fac Stat(OpenData): 8517149   OPEN</i>			
ARCHER SERVICE STATION	180 E MAIN ST LAKE BUTLER FL 32054	ENE	0.13 / 680.38	<a href="#"><u>11</u></a>
	<i>Facility ID   Fac Stat(OpenData): 8517153   CLOSED</i>			
LAKE BUTLER CITY	125 E MAIN ST LAKE BUTLER FL 32054	ENE	0.14 / 717.41	<a href="#"><u>12</u></a>
	<i>Facility ID   Fac Stat(OpenData): 8519166   CLOSED</i>			
CNB NATIONAL BANK	SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054	WNW	0.17 / 909.33	<a href="#"><u>14</u></a>
	<i>Facility ID   Fac Stat(OpenData): 9300907   CLOSED</i>			
WILMAS VARIETY STORE	RT 1 BOX 654 LAKE BUTLER FL 32054	WNW	0.17 / 909.33	<a href="#"><u>14</u></a>
	<i>Facility ID   Fac Stat(OpenData): 8627815   CLOSED</i>			
THOMAS PROPERTY	1 MI E OF US 90 SR 231 LAKE BUTLER FL 32087	W	0.31 / 1,620.20	<a href="#"><u>16</u></a>
	<i>Facility ID   Fac Stat(OpenData): 8735829   CLOSED</i>			
CIRCLE K #2722432	585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054	SW	0.41 / 2,180.18	<a href="#"><u>17</u></a>
	<i>Facility ID   Fac Stat(OpenData): 8517157   OPEN</i>			
LAKE BUTLER CTY WWTF	SW SR 121 LAKE BUTLER FL 32054	WSW	0.44 / 2,301.09	<a href="#"><u>18</u></a>
	<i>Facility ID   Fac Stat(OpenData): 9806957   OPEN</i>			

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ALLTEL FL INC-LK BUTLER	80 SW 1ST ST LAKE BUTLER FL 32054	NE	0.01 / 36.55	<a href="#">1</a>
<i>Facility ID   Fac Stat(OpenData): 8731673   OPEN</i>				
HITCHING POST LOUNGE	440 W MAIN ST LAKE BUTLER FL 32054	W	0.23 / 1,195.48	<a href="#">15</a>
<i>Facility ID   Fac Stat(OpenData): 9400285   CLOSED</i>				

## Non Standard

### Federal

#### SSTS - Registered Pesticide Establishments

A search of the SSTS database, dated Mar 1, 2023 has found that there are 1 SSTS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRU BLU POOL SERVICE & SUPPIES, LLC	220 W. MAIN STREET - LAKE BUTLER FL 32054	NW	0.05 / 250.73	<a href="#">4</a>
<i>Establishment No: 89352-FL-1</i>				

### State

#### SPILLS - Oil and Hazardous Materials Incidents

A search of the SPILLS database, dated Jul 26, 2023 has found that there are 1 SPILLS site(s) within approximately 0.12 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	102 West Main Street LAKE BUTLER FL	N	0.04 / 205.79	<a href="#">2</a>
<i>Incident No   Incident Date: 46455   01/04/2012</i>				

#### DWM CONTAM - Contaminated Sites

A search of the DWM CONTAM database, dated Jul 14, 2023 has found that there are 10 DWM CONTAM site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNION 76-JOHNS	80 W MAIN ST LAKE BUTLER FL 32054	NE	0.04 / 225.59	<a href="#">3</a>
<i>Facility ID: 8519168</i>				
SHADDS FACILITY	220 W MAIN ST LAKE BUTLER FL 32054	NW	0.05 / 250.73	<a href="#">4</a>
<i>Facility ID: 9807182</i>				
UNION COUNTY PROPERTY	115 W MAIN ST LAKE BUTLER FL 32054	N	0.07 / 377.52	<a href="#">6</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<i>Facility ID: 8517147</i>			
UNION BEVERAGE	260 W MAIN ST LAKE BUTLER FL 32054	WNW	0.08 / 404.50	<a href="#">7</a>
	<i>Facility ID: 8517149</i>			
Lake Butler Gasoline Contamination	SW 3 St. & Main St Lake Butler FL 32054	WNW	0.09 / 493.97	<a href="#">9</a>
	<i>Facility ID: 121376</i>			
ARCHER SERVICE STATION	180 E MAIN ST LAKE BUTLER FL 32054	ENE	0.13 / 680.38	<a href="#">11</a>
	<i>Facility ID: 8517153</i>			
LAKE BUTLER CITY	125 E MAIN ST LAKE BUTLER FL 32054	ENE	0.14 / 717.41	<a href="#">12</a>
	<i>Facility ID: 8519166</i>			
CNB NATIONAL BANK	SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054	WNW	0.17 / 909.33	<a href="#">14</a>
	<i>Facility ID: 9300907</i>			
CIRCLE K #2722432	585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054	SW	0.41 / 2,180.18	<a href="#">17</a>
	<i>Facility ID: 8517157</i>			
HANDY WAY FOOD STORE #2432	585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054	SW	0.41 / 2,180.18	<a href="#">17</a>
	<i>Facility ID: 8517157</i> <i>Facility Status: ACTIVE</i>			

### **DEL CONTAM SITE - Delisted Contaminated Sites**

A search of the DEL CONTAM SITE database, dated Sep 30, 2015 has found that there are 1 DEL CONTAM SITE site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HANDY WAY FOOD STORE #2432	585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054	SW	0.41 / 2,180.18	<a href="#">17</a>

### **WELL SURVEILLANCE - Well Surveillance Program Facilities**

A search of the WELL SURVEILLANCE database, dated Jul 20, 2023 has found that there are 8 WELL SURVEILLANCE site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNION 76 JOHNS	80 W MAIN ST LAKE BUTLER FL 32054	NE	0.04 / 225.59	<a href="#">3</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SHADDS FACILITY	220 W MAIN ST LAKE BUTLER FL 32054	NW	0.05 / 250.73	<a href="#">4</a>
SHELL WELCH'S	120 W MAIN ST LAKE BUTLER FL 32054	N	0.05 / 272.20	<a href="#">5</a>
UNION CO. PROPERTY	115 W MAIN ST LAKE BUTLER FL 32054	N	0.07 / 377.52	<a href="#">6</a>
Hungry Howies	280 W Main ST LAKE BUTLER FL 32054	WNW	0.08 / 428.54	<a href="#">8</a>
ARCHER SERVICE STATION	180 E MAIN ST LAKE BULTER FL 32054	ENE	0.13 / 680.38	<a href="#">11</a>
FORMER COASTAL MART	SW 4TH AVE AND SR 100 LAKE BUTLER FL 32054	WNW	0.17 / 905.80	<a href="#">13</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HITCHING POST LOUNGE	440 W MAIN ST LAKE BUTLER FL 32054	W	0.23 / 1,195.48	<a href="#">15</a>

## **TIER 2 - Tier 2 Report**

A search of the TIER 2 database, dated Mar 6, 2023 has found that there are 1 TIER 2 site(s) within approximately 0.12 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Lake Butler Central Office	80 SW 1st St Lake Butler FL 32054	NE	0.01 / 36.55	<a href="#">1</a>



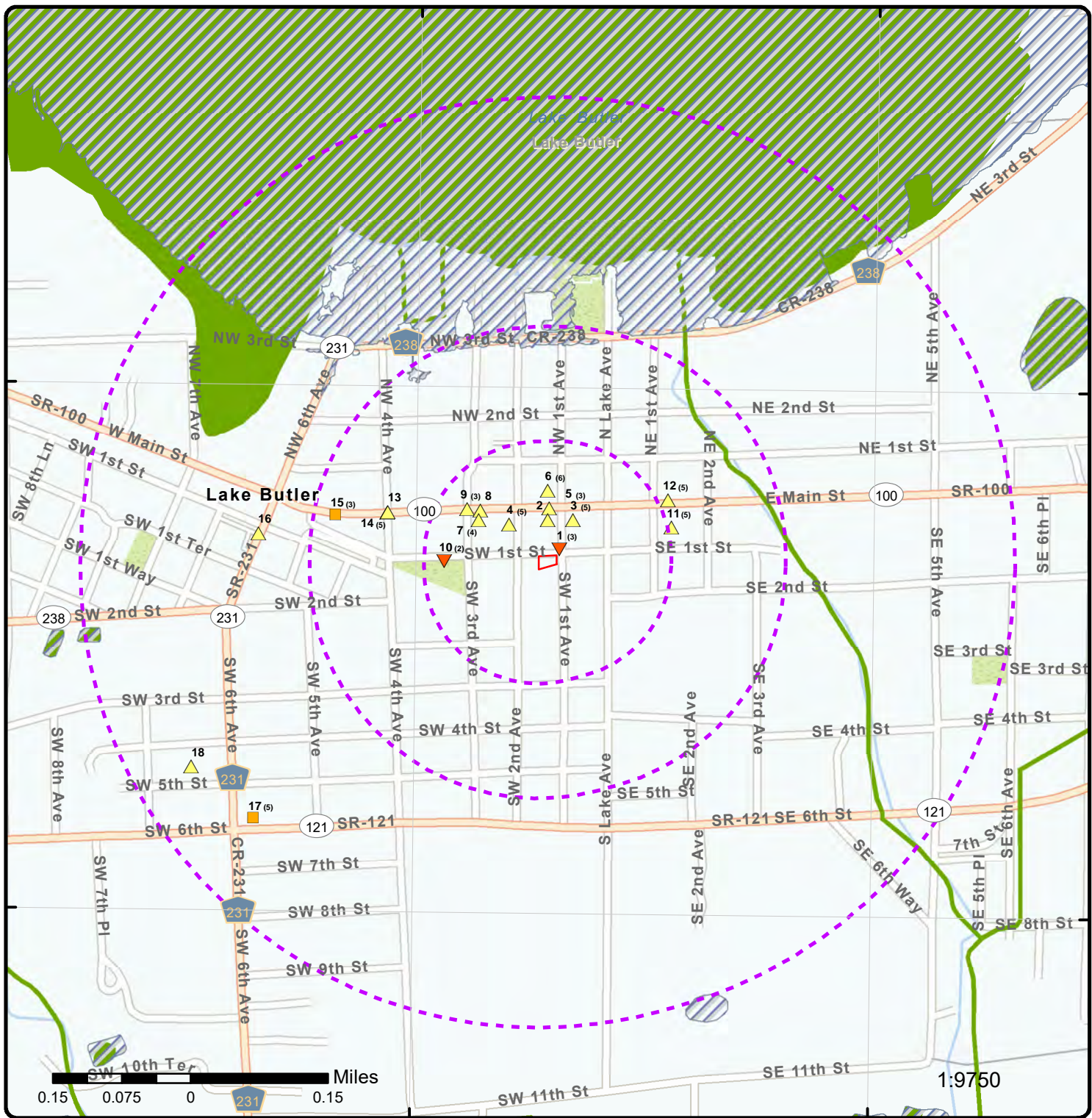
### Map: 1.0 Mile Radius

Order Number: 23100900124

Address: sw 1st st and sw 1st ave lake butler, Lake Butler, FL



- |                             |                           |                             |                              |                            |                              |  |                      |                        |                      |            |      |       |         |                               |
|-----------------------------|---------------------------|-----------------------------|------------------------------|----------------------------|------------------------------|--|----------------------|------------------------|----------------------|------------|------|-------|---------|-------------------------------|
| Project Property            | Buffer Outline            | Sites with Higher Elevation | Sites with Same Elevation    | Sites with Lower Elevation | Sites with Unknown Elevation | Freeways; Highways   | Traffic Circle; Ramp | Major & Minor Arterial | Traffic Circle; Ramp | Local Road | Rail | State | Country | FWS Special Designation Areas |
| Areas with Higher Elevation | Areas with Same Elevation | Areas with Lower Elevation  | Areas with Unknown Elevation | National Wetland           | Indian Reserve Land          | National Priorities List (Active, Delisted, Proposed, Institutional Control) | Plume                | 100 Year Flood Zone    | 500 Year Flood Zone  |            |      |       |         |                               |



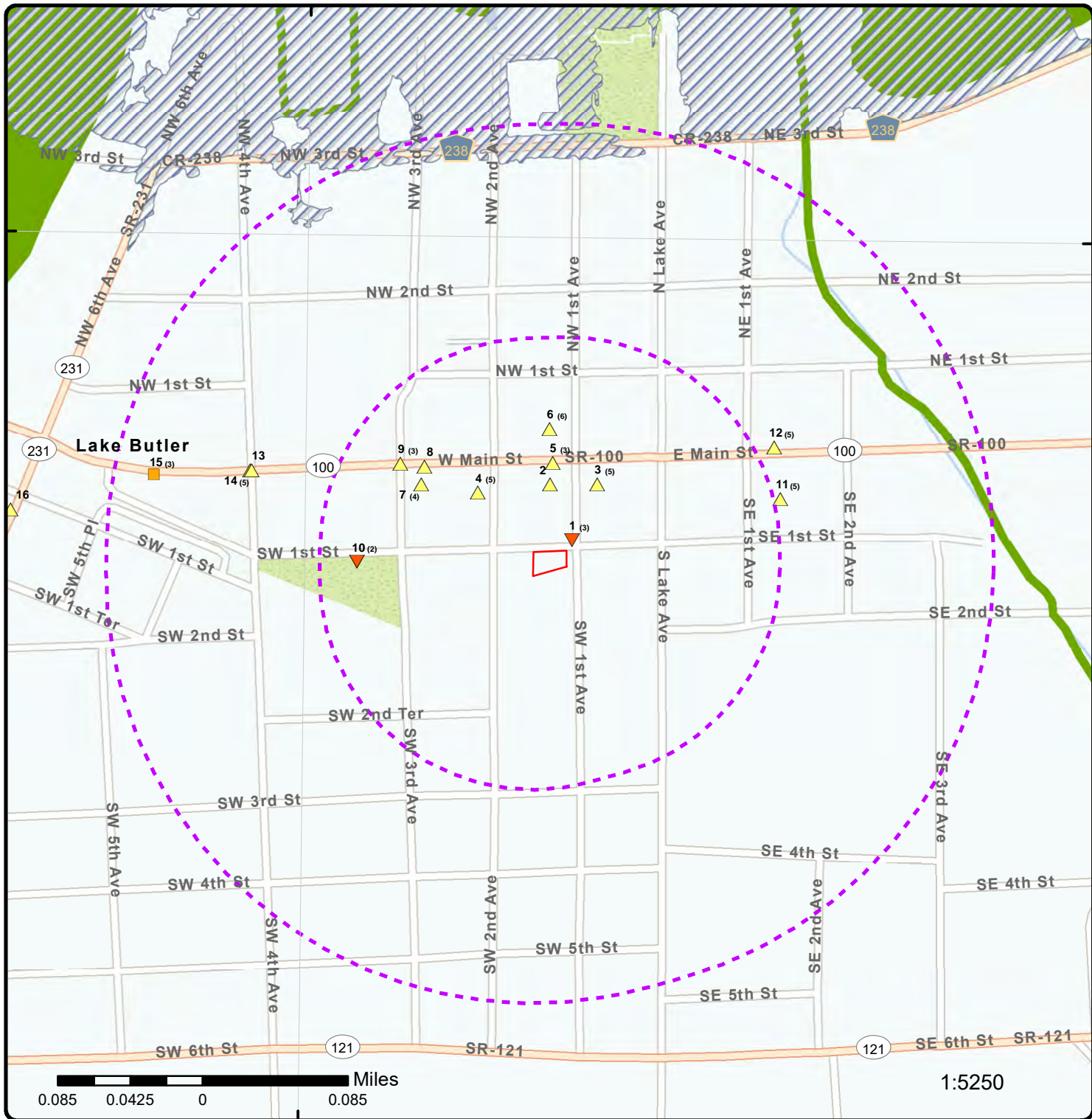
### Map: 0.5 Mile Radius

Order Number: 23100900124

Address: sw 1st st and sw 1st ave lake butler, Lake Butler, FL



- Project Property
- Buffer Outline
- ▲ Sites with Higher Elevation
- Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)



### Map: 0.25 Mile Radius

Order Number: 23100900124

Address: sw 1st st and sw 1st ave lake butler, Lake Butler, FL



Project Property

Buffer Outline

Sites with Higher Elevation

Sites with Same Elevation

Sites with Lower Elevation

Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

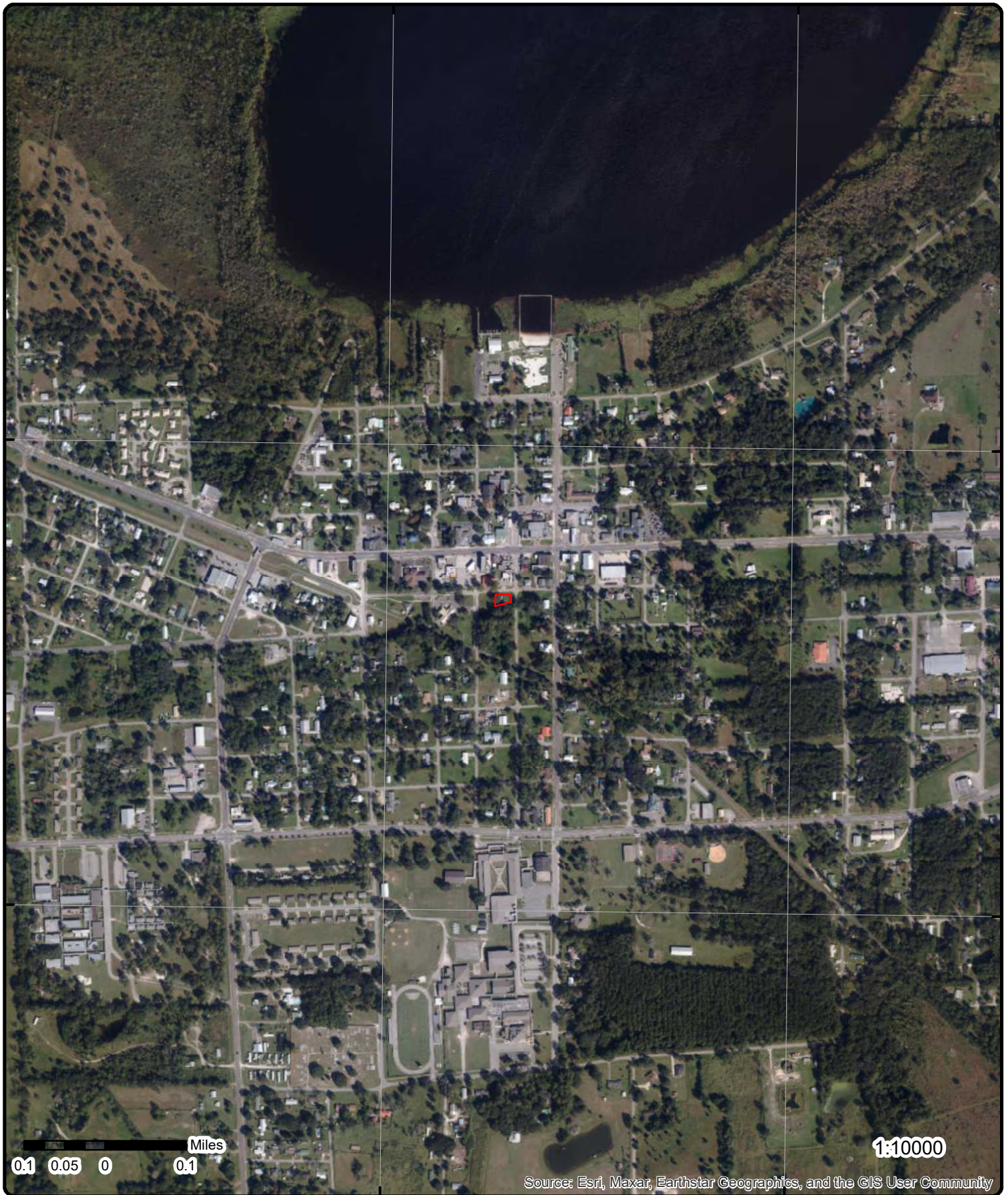
Plume

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)



**Aerial** Year: 2019

Address: sw 1st st and sw 1st ave lake butler, Lake Butler, FL

Source: ESRI World Imagery

Order Number: 23100900124



© ERIS Information Inc.

82°21'30"W

82°21'W

82°20'30"W

82°20'W

82°19'30"W

82°19'W

30°2'30"N

30°2'N

30°1'30"N

30°1'N

30°0'30"N

30°0'N

30°2'30"N

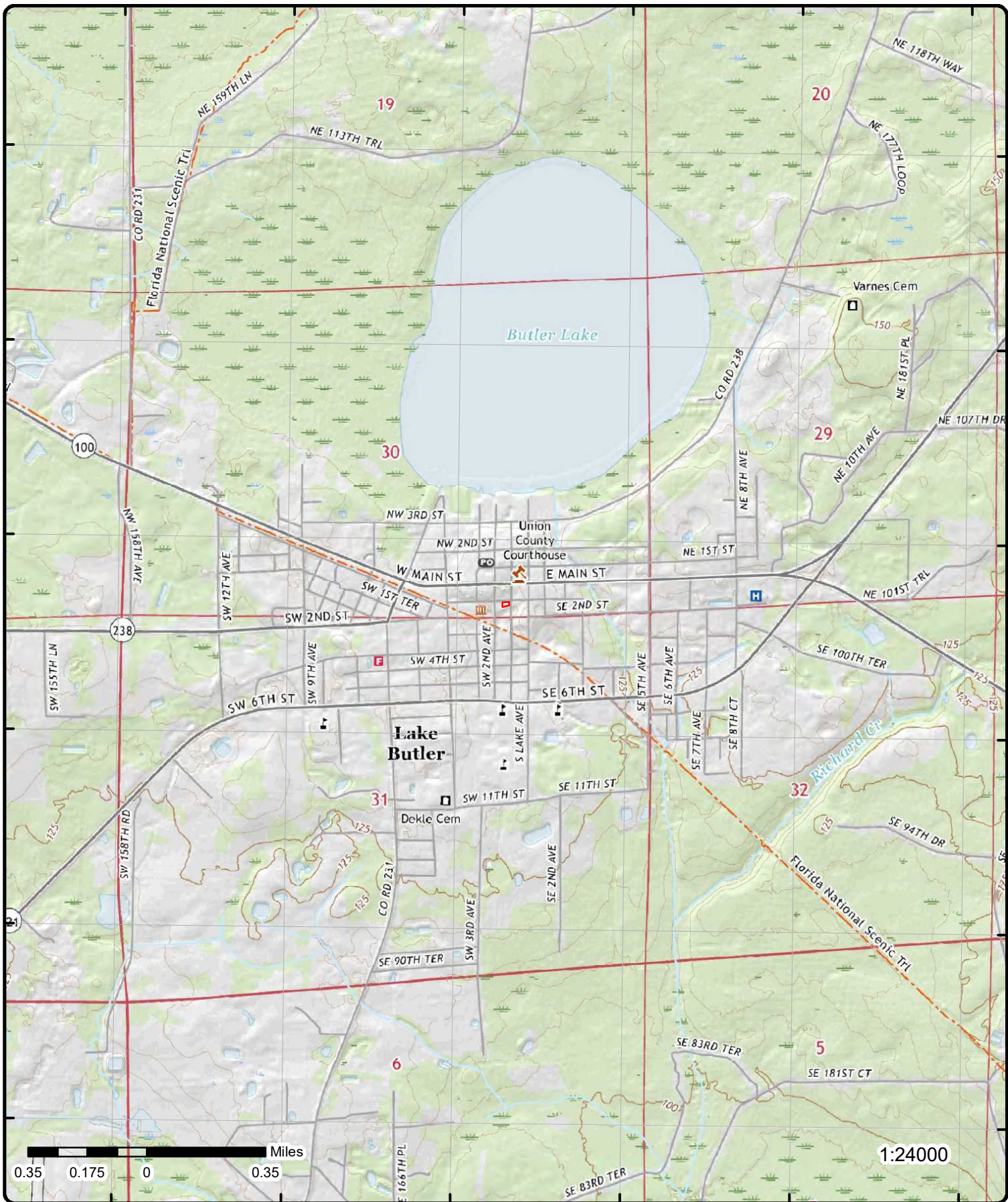
30°2'N

30°1'30"N

30°1'N

30°0'30"N

30°0'N



# Topographic Map Year: 2021

Order Number: 23100900124

Address: sw 1st st and sw 1st ave lake butler, FL



Quadrangle(s): Brooker FL, Lake Butler FL

© ERIS Information Inc.

Source: USGS Topographic Map

# Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">1</a>	1 of 3	NE	0.01 / 36.55	135.06 / -1	ALLTEL FL INC-LK BUTLER 80 SW 1ST ST LAKE BUTLER FL 32054	UST

<b>Facility ID:</b>	8731673	<b>County:</b>	UNION
<b>Facility Status:</b>	OPEN	<b>Lat/Long Method:</b>	
<b>Facility Type:</b>	C	<b>Lat DD:</b>	
<b>Type Desc:</b>	Fuel user/Non-retail	<b>Lat MM:</b>	
<b>Facility Phone:</b>	9043622808	<b>Lat SS:</b>	
<b>Dep Co:</b>	P	<b>Long DD:</b>	
<b>Owner ID:</b>	586	<b>Long MM:</b>	
<b>Owner Phone:</b>	3863642400	<b>Long SS:</b>	
<b>Owner:</b>	ALLTELL INFORMATION SERVICES INC		
<b>Owner Address1:</b>	206 WHITE AVE SE		
<b>Owner Address2:</b>			
<b>Owner City:</b>	LIVE OAK		
<b>Owner State:</b>	FL		
<b>Owner Zip 5:</b>	32064		
<b>Contact:</b>	VERNIE WRIGHT / ROBERT KELLY		
<b>Source:</b>	Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information		
<b>Oculus Docs Inventory URL:</b>	<a href="https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8731673&amp;CAT=11">https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8731673&amp;CAT=11</a>		
<b>Information Portal Fac URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8731673">http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8731673</a>		
<b>Information Portal Doc URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8731673/facility!search">http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8731673/facility!search</a>		

**Tank Information**

<b>Tank ID:</b>	4733	<b>Capacity:</b>	1000
<b>Tank Status:</b>	U - IN SERVICE	<b>Substance:</b>	Z - Other Non Regulated
<b>Status Date:</b>		<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JAN-1974	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

<a href="#">1</a>	2 of 3	NE	0.01 / 36.55	135.06 / -1	Lake Butler Central Office 80 SW 1st St Lake Butler FL 32054	TIER 2
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**2021 Data**

<b>Facility ID:</b>	6821802	<b>Explosive:</b>	False
<b>Filing Year:</b>	2020(Tier2)	<b>Filing Type:</b>	312
<b>CAS No:</b>	7664939	<b>Max Daily Qty:</b>	785
<b>Solid:</b>	False	<b>Avg Daily Qty:</b>	785
<b>Liquid:</b>	True	<b>EHS:</b>	True
<b>Gas:</b>	False	<b>Below Thresholds:</b>	
<b>Pure:</b>	True	<b>Trade Secret:</b>	
<b>Mixture:</b>	False		
<b>First Submit Date:</b>	2021-02-08(Tier2)		
<b>NAICS Code:</b>	517311		
<b>Dun Bradstreet Code:</b>	145966326		
<b>Chemical Name:</b>	SULFURIC ACID		
<b>Hazard Not Otherwise Classifi:</b>	False		
<b>Contact Name:</b>	Windstream Communications Inc		
<b>Contact Type:</b>	Owner / Operator		
<b>Contact Email:</b>	environmental@windstream.com		
<b>Contact Work Phone:</b>	501-748-0366		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Contact 24 Hour Phone:  
Contact Mobile Phone:

**2022 Data**

<b>Facility ID:</b>	7080976	<b>Explosive:</b>	False
<b>Filing Year:</b>	2021(Tier2)	<b>Filing Type:</b>	
<b>CAS No:</b>	7664939	<b>Max Daily Qty:</b>	785
<b>Solid:</b>	False	<b>Avg Daily Qty:</b>	785
<b>Liquid:</b>	True	<b>EHS:</b>	True
<b>Gas:</b>	False	<b>Below Thresholds:</b>	
<b>Pure:</b>	True	<b>Trade Secret:</b>	
<b>Mixture:</b>	False		
<b>First Submit Date:</b>	2022-01-06(Tier2)		
<b>NAICS Code:</b>	517311		
<b>Dun Bradstreet Code:</b>	145966326		
<b>Chemical Name:</b>	SULFURIC ACID		
<b>Hazard Not Otherwise Classifi:</b>	False		
<b>Contact Name:</b>	Windstream Communications Inc		
<b>Contact Type:</b>	Owner / Operator		
<b>Contact Email:</b>	environmental@windstream.com		
<b>Contact Work Phone:</b>	501-748-0366		
<b>Contact 24 Hour Phone:</b>			
<b>Contact Mobile Phone:</b>			

**2023 Data**

<b>Facility ID:</b>	7264251	<b>Explosive:</b>	False
<b>Filing Year:</b>	2022(Tier2)	<b>Filing Type:</b>	
<b>CAS No:</b>	7664939	<b>Max Daily Qty:</b>	785
<b>Solid:</b>	False	<b>Avg Daily Qty:</b>	785
<b>Liquid:</b>	True	<b>EHS:</b>	True
<b>Gas:</b>	False	<b>Below Thresholds:</b>	
<b>Pure:</b>	True	<b>Trade Secret:</b>	
<b>Mixture:</b>	False		
<b>First Submit Date:</b>	2023-01-28(Tier2)		
<b>NAICS Code:</b>	517111		
<b>Dun Bradstreet Code:</b>	145966326		
<b>Chemical Name:</b>	SULFURIC ACID		
<b>Hazard Not Otherwise Classifi:</b>	False		
<b>Contact Name:</b>	Windstream Communications Inc		
<b>Contact Type:</b>	Owner / Operator		
<b>Contact Email:</b>	environmental@windstream.com		
<b>Contact Work Phone:</b>	501-748-0366		
<b>Contact 24 Hour Phone:</b>			
<b>Contact Mobile Phone:</b>			

<u>1</u>	3 of 3	NE	0.01 / 36.55	135.06 / -1	ALLTEL FL INC-LK BUTLER 80 SW 1ST ST LAKE BUTLER FL 32054	STCS
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<b>Facility ID:</b>	8731673	<b>Zip5 (Open Data):</b>	32054
<b>Type:</b>	C - Fuel User/Non-Retail	<b>CountyID(OpenData):</b>	63
<b>Status:</b>	Open	<b>County (Open Data):</b>	UNION
<b>County:</b>	UNION	<b>Contam (Map):</b>	
<b>Fac Stat(OpenData):</b>	OPEN	<b>Fac Type (Map):</b>	Fuel user/Non-retail
<b>Fac Code(OpenData):</b>	C	<b>Fac Stat (Map):</b>	OPEN
<b>Fac Type(OpenData):</b>	Fuel user/Non-retail	<b>Status (Map):</b>	REVIEWED
<b>Clnup Cd(OpenData):</b>		<b>City (Map):</b>	LAKE BUTLER
<b>Clnup Dt(OpenData):</b>		<b>County (Map):</b>	63
<b>Status (Open Data):</b>	REVIEWED	<b>Zip5 (Map):</b>	32054
<b>City (Open Data):</b>	LAKE BUTLER	<b>Zip4 (Map):</b>	0
<b>Fac Name(Open Data):</b>	ALLTEL FL INC-LK BUTLER		
<b>Address (Open Data):</b>	80 SW 1ST ST		
<b>Fac Cleanup Stat(Open Data):</b>			
<b>Name (Map):</b>	ALLTEL FL INC-LK BUTLER		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Address (Map): 80 SW 1ST ST

**FDEP Storage Tank Monitoring Open Data Details**

<b>Object ID:</b>	20496	<b>Map Src:</b>	
<b>X:</b>	-82.339216666668	<b>Map Scale:</b>	0
<b>Y:</b>	30.0226333333367	<b>Elevation:</b>	
<b>Regulated:</b>	NO	<b>EI Datum:</b>	
<b>Col Meth:</b>	DPHO	<b>EI Resolut:</b>	
<b>Col Name:</b>	WILLIAMS_CA	<b>EI Units:</b>	
<b>Col Date:</b>	12-Apr-2011	<b>ALB East:</b>	0.0
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>ALB North:</b>	0.0
<b>Ver Meth:</b>	DPHO	<b>Loc ID:</b>	11669
<b>Ver Name:</b>	WILLIAMS_CA	<b>Lat DD:</b>	30
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Date:</b>	26-Jul-2011	<b>Lat SS:</b>	
<b>OOIC:</b>	FACILITY	<b>Long DD:</b>	82
<b>Rel Feat:</b>	EXACT	<b>Long MM:</b>	20
<b>Datum:</b>	NAD83	<b>Long SS:</b>	
<b>Coord Acc:</b>	4		
<b>Col Aff:</b>	TKHQ		
<b>Ver Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Direct:</b>	PARCEL ID 30-05-20-13-004-0140-0		
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8731673/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8731673/gis-facility!search</a>		

**FDEP Open Data - Storage Tank Contamination Monitoring (STCM)**

<b>Loc ID:</b>	11669	<b>Rel Feat:</b>	EXACT
<b>Site Type:</b>	Fuel user/Non-retail	<b>EI Datum:</b>	
<b>Contam Ind:</b>		<b>EI Resolut:</b>	
<b>Phone:</b>	9043622808	<b>EI Units:</b>	
<b>Operator:</b>	ALLTEL FL INC	<b>Map Src:</b>	
<b>Next action:</b>		<b>Map Scale:</b>	0
<b>Fin Respon:</b>		<b>Coord Acc:</b>	4
<b>Office:</b>	NED	<b>Alb East:</b>	0.0
<b>OOIC:</b>	FACILITY	<b>Alb North:</b>	0.0
<b>Col Meth:</b>	DPHO	<b>Datum:</b>	NAD83
<b>Col Name:</b>	WILLIAMS_CA	<b>Elevation:</b>	
<b>Col Date:</b>	4/12/2011	<b>Lat DD:</b>	30
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Meth:</b>	DPHO	<b>Lat SS:</b>	
<b>Ver Name:</b>	WILLIAMS_CA	<b>Long DD:</b>	82
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Long MM:</b>	20
<b>Ver Date:</b>	7/26/2011	<b>Long SS:</b>	
<b>Object ID:</b>	11669		
<b>Col Aff:</b>	TKHQ		
<b>Ver Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8731673/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8731673/gis-facility!search</a>		

**FDEP - Storage Tank Contamination Monitoring (STCM) Details**

<b>Name:</b>	Alltel FI Inc-Lk Butler 80 Sw 1st St Lake Butler, FL 32054
<b>LL Method:</b>	DPHO
<b>Account Owner:</b>	Alltel Information Services Inc
<b>Contact:</b>	Alltel FI Inc
<b>Phone:</b>	904-362-2808
<b>District:</b>	NED
<b>County 1:</b>	63 - Union
<b>Latitude:</b>	30:01:21.4800
<b>Longitude:</b>	82:20:21.1800

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Tank No:</b>		4733				
<b>Size:</b>		1000				
<b>Content:</b>		Other Non Regulated				
<b>Installed:</b>		01/01/1974				
<b>Placement:</b>		UNDER				
<b>Status:</b>		In Service				
<b>Construction:</b>		C - Steel				
<b>Piping:</b>		D - External Protective Coating				
<b>Monitoring:</b>		8 - Manually Sampled Wells				

2      1 of 1      **N**      0.04 / 205.79      139.66 / 4      102 West Main Street  
LAKE BUTLER FL      **SPILLS**

**Incident No:** 46455      **Incident Date:** 01/04/2012  
**Incident Type:** Inland      **County:** Union

Spill Details

**Incident Status:**      **Criminal Indicator:**  
**Incident Party Type:**      **Hurricane Indicator:**  
**Incident Party Name:**      **Description:** Complaint  
**Pollutant Name:** None      **On Scene Response:**  
**Pollutant Category:**  
**Pollutant Actual Volume:** 0  
**Pollutant Unit Measure:** gallon

3      1 of 5      **NE**      0.04 / 225.59      139.77 / 4      UNION 76-JOHNS  
80 W MAIN ST      **LST**  
LAKE BUTLER FL 32054-1638

<b>Facility ID:</b>	8519168	<b>Datum:</b>	0
<b>Facility Status:</b>	CLOSED	<b>Lat DD:</b>	30
<b>Facility Type:</b>	A - Retail Station	<b>Lat MM:</b>	1
<b>Score:</b>	60	<b>Lat SS:</b>	22.7002
<b>Score Effective Date:</b>	06/22/2011	<b>Long DD:</b>	82
<b>Score when Ranked:</b>	61	<b>Long MM:</b>	20
<b>Rank:</b>	1656	<b>Long SS:</b>	19.6652
<b>Operator:</b>	SAM JOHNS	<b>Facility T (Map):</b>	Retail Station
<b>Prim Related Party:</b>	11456	<b>Facility S (Map):</b>	CLOSED
<b>Primary RP Role:</b>	ACCOUNT OWNER	<b>County (Map):</b>	UNION
<b>RP Begin Date:</b>	05/02/1985	<b>Collection (Map):</b>	DPHO
<b>Phone:</b>	(904)431-1653	<b>Collector (Map):</b>	CALTA_H
<b>Name Changed:</b>	09/13/2004	<b>Collecti 1 (Map):</b>	1/28/2004
<b>Address Changed:</b>		<b>Datum (Map):</b>	HARN
<b>Section:</b>	030	<b>Rel Feat (Map):</b>	EXACT
<b>Township:</b>	05S	<b>Geometry (Map):</b>	
<b>Range:</b>	20E	<b>Lat DD (Map):</b>	30
<b>District:</b>	NED	<b>Lat MM (Map):</b>	1
<b>County:</b>	UNION	<b>Lat SS (Map):</b>	
<b>County No:</b>	63	<b>Long DD (Map):</b>	82
<b>Feature:</b>		<b>Long MM (Map):</b>	20
<b>Method:</b>	UNVR	<b>Long SS (Map):</b>	
<b>RP Name:</b>	JOHNS, SEEBER		
<b>RP Address1:</b>	RR 1 BOX 479-T		
<b>RP Address2:</b>			
<b>RP City:</b>	LAKE BUTLER		
<b>RP State:</b>	FL		
<b>RP Zip5:</b>	32054		
<b>RP Zip4:</b>	9723		
<b>Contact:</b>	SEEBER JOHNS		
<b>RP Phone:</b>	(904)496-2641		
<b>RP Phone Ext.:</b>			
<b>RP Bad Addr Ind:</b>	No		
<b>Facility Name (Map):</b>	UNION 76-JOHNS		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Address (Map):</b>		80 W MAIN ST				
<b>City (Map):</b>		LAKE BUTLER				
<b>Zip5 (Map):</b>		32054				
<b>Document L (Map):</b>		https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519168/facility!search				
<b>Oculus Docs Inventory:</b>		https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8519168&CAT=11				
<b>Information Portal Fac URL:</b>		http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8519168				
<b>Information Portal Doc URL:</b>		http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519168/facility!search				
<b>Source:</b>		DEP; Storage Tanks & Contamination Monitoring, Discharge Info.; FDEP Open Data, Petroleum Contamination Monitoring (PCTS) Discharges (Map)				

### Discharge Cleanup Summary

<b>Discharge Date:</b>	10/23/1986
<b>Cleanup Required:</b>	R - CLEANUP REQUIRED
<b>Discharge Cleanup Status:</b>	RA - RA ONGOING
<b>Discharge Cleanup Stat Date:</b>	08/28/1998
<b>Eligibility Indicator:</b>	E - ELIGIBLE
<b>Site Manager:</b>	CULLINAN_J
<b>Site Manager End Date:</b>	
<b>Tank Office:</b>	PCLP1 - ALACHUA ENVIRONMENTAL PROTECTION DEPARTMENT

### Contaminated Media

<b>Contaminated Drinking Wells:</b>	0
<b>Contaminated Mntring Wells:</b>	YES
<b>Contaminated Soil:</b>	YES
<b>Contaminated Surface Water:</b>	NO
<b>Contaminated Ground Water:</b>	YES
<b>Pollutant:</b>	Y - Unknown/Not Reported
<b>Other Description:</b>	
<b>Gallons Discharged:</b>	

### Petroleum Cleanup Program Eligibility

<b>Cleanup Program:</b>	E - EARLY DETECTION INCENTIVE
<b>Eligibility Status:</b>	ELIGIBLE

### Task Info

<b>SA Task ID:</b>	15329	<b>SR Soil Treatment:</b>	
<b>SA Cleanup Resp:</b>	ST - STATE	<b>SR Other Treatment:</b>	
<b>SA Actual Cost:</b>	\$16,695.83	<b>SR Alt Proc Rec:</b>	
<b>SA Complete Date:</b>	08-14-1990	<b>RAP Task ID:</b>	15330
<b>SA Payment Date:</b>		<b>RAP Clean Resp ID:</b>	ST - STATE
<b>SR Task ID:</b>	15328	<b>RAP Actual Cost:</b>	
<b>SR Cleanup Resp:</b>	ST - STATE	<b>RAP Complete Date:</b>	
<b>SR Actual Cost:</b>		<b>RAP Payment Date:</b>	
<b>SR Complete Date:</b>		<b>RAP Last Ord Appr:</b>	
<b>SR Payment Date:</b>		<b>RA Task ID:</b>	15331
<b>SR Oral Date:</b>		<b>RA Cleanup Resp:</b>	ST - STATE
<b>SR Written Date:</b>		<b>RA Yrs to Complete:</b>	
<b>SR Soil Removal:</b>		<b>RA Actual Cost:</b>	
<b>SR Free Prod Rmvl:</b>		<b>Tank Office:</b>	PCLP1 - Alachua County
<b>SR Soil Ton Remove:</b>			
<b>SR Fund Elig Type:</b>	-		
<b>SA Fund Elig Type:</b>	-		
<b>RAP Fund Elig Type:</b>	-		
<b>RA Fund Elig Type:</b>	-		
<b>SR Alternate Procedure Status:</b>			
<b>SR Alt Procedure Status Dt:</b>			
<b>SR Alt Procedure Comment:</b>			
<b>SRC Action Type:</b>	-		
<b>SRC Submit Date:</b>			
<b>SRC Review Date:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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SRC Complete Status: -  
 SRC Comp Status Dt:  
 SRC Issue Date:  
 SRC Comments:

**Petroleum Cleanup Funding Cap Encumbrance to Date**

FCFS: \$0.00  
 LPSPASM: \$0.00  
 SPASM: \$1,467,136.87  
 NPDES: \$0.00  
 Utility 1 Time Payments: \$171,734.20  
 All Wo Ta Co Pos Encumbered: \$1,691,053.42  
 Wo Ta Co Pos Exclu from Cap: \$0.00  
 Ttl Amnt Encumbered to Date: \$3,329,924.49  
 Ttl Amnt Encumbered Towar: \$3,329,924.49

**Petroleum Cleanup PCT Facility Score**

Related Party ID: 11456  
 RP Contact: SEEBER JOHNS  
 Facility Cleanup Status: ONGO - ONGOING  
 Bad Address Indicator: N

**Contract**

Contractor: WSP USA ENVIRONMENT & INFRASTRUCTURE, INC.  
 Score: 60  
 Facility Name: UNION 76-JOHNS  
 Address: 80 W MAIN ST  
 City: LAKE BUTLER  
 ZIP: 32054  
 District: NED  
 County ID: 63  
 County: UNION

**Discharge Info (Map)**

Discharge:	6181	Eligibility:	ELIGIBLE
Discharge 1:	23-Oct-1986	Eligibility 1:	EDI
Discharge 2:	60	Report Pha:	RA
Discharge 3:	RA	Report Sub:	SR
General Cl:	WORK UNDERWAY	Report S 1:	29-Jun-2022
Disch Clea:	28-Aug-1998	Staff Assi:	CULLINAN_J
Tank Offic:	ALACHUA ENVIRONMENTAL PROTECTION DEPARTMENT		

**Open Discharges**

Program: EDI  
 Eligibility: ELIGIBLE  
 Elig Letter Sent: 05/11/1987  
 Discharge Date: 10/23/1986  
 Score: 60  
 Facility: UNION 76-JOHNS  
 Address: 80 W MAIN ST  
 City: LAKE BUTLER  
 State: FL  
 Zip: 32054  
 County ID: 63  
 County: UNION

**AST UST Discharges**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Dep Co:	P				Long SS:	21
CU Req:	R				CU Stat:	
Score:	00060				Stat Desc:	RA ONGOING
Descrip:	CLEANUP REQUIRED				Fac Name:	UNION 76-JOHNS
Discharge Date:	23-OCT-86				Fac Type:	A
Score Date:	22-JUN-2011				Type Desc:	Retail Station
Stat Date:	28-AUG-1998				Fac Addr:	80 W MAIN ST
LL Meth:	UNVR				Fac City:	LAKE BUTLER
Lat DD:	30				Fac Zip:	32054
Lat MM:	1				County:	63
Lat SS:	20				Fac State:	CLOSED
Long DD:	82				Fac Phone:	9044311653
Long MM:	20					
Prg Desc:		EARLY DETECTION INCENTIVE				

**Eligible Discharges**

Program:	EDI
Current Status:	ACTIVE
Discharge Date:	10/23/1986
Score:	60
Facility:	UNION 76-JOHNS
Address:	80 W MAIN ST
City:	LAKE BUTLER
Zip:	32054
County:	UNION
Owner:	JOHNS, SEEBER
Owner Address:	RR 1 BOX 479-T
Owner City:	LAKE BUTLER
Owner State:	FL
Owner Zip:	32054
Owner Phone:	(904)496-2641
Owner Email:	

<u>3</u>	2 of 5	NE	0.04 / 225.59	139.77 / 4	UNION 76 JOHNS 80 W MAIN ST LAKE BUTLER FL 32054
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WELL SURVEILLANCE

Facility ID:	8519168	County:	UNION
Project ID:	SUPER	Longitude:	-82.338708
Req No:		Latitude:	30.023031
Loc ID:	206651	GPS Date:	1/29/2005 0:00:00
GPS ID:	206651	Datum:	WS1984
Type:	PETROLEUM	Software:	
Insp CHD:	ALACHUA	Streetside:	
HAE:	42.65	Agency:	
Loc Method:	DGPS - Differentially Corrected GPS		
Insp F Name:	PAUL		
Insp L Name:	WASHINGTON		
Comment:			

<u>3</u>	3 of 5	NE	0.04 / 225.59	139.77 / 4	UNION 76-JOHNS 80 W MAIN ST LAKE BUTLER FL 32054
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DWM CONTAM

Facility ID:	8519168	Contact:	
Site ID:	8519168	Phone:	
Program Area:		Method:	
Facility Type:		Datum:	
Fac Type:		Related Party ID:	
County ID:	63	Primary RP Role:	
Ftc1 Fac Type ID:	A	RP Begin Date:	
Stcm Facility Type:	A	RP Address1:	
District:	NED	RP Address2:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Site Status:**  
**Section:** 30  
**Township:** 05S  
**County:** Union  
**Range:** 20E  
**Rank:**  
**Operator:**  
**Name Changed:**  
**Addr Changed:**  
**Facility Name:** UNION 76-JOHNS  
**Description:** Retail Station

**RP City:**  
**RP State:**  
**RP Zip5:**  
**RP Zip4:**  
**RP Phone:**  
**RP Extension:**  
**RP Bad Addr Ind:**  
**RP Name:**

**Program Details**

<b>Facility Status:</b> <b>Offsite Contam:</b> <b>Priority Score:</b> 60 <b>Project Coordinato:</b> <b>Program Eligible:</b> <b>Ineligible:</b> <b>Program Area:</b> PETROLEUM <b>Site Manager:</b> CULLINAN_J <b>Discharge Date:</b> 10/23/1986 <b>Discharge Eligibil:</b> E <b>Eligibility Progrm:</b> EDI <b>Cleanup Status:</b> OPEN-STCM <b>Closure Type:</b> <b>Closure Date:</b>	<b>Staff Assigned:</b> <b>Priority:</b> <b>Score Effective Dt:</b> <b>Score When Ranked:</b> <b>District:</b> <b>Datum:</b> 0 <b>Method:</b> UNVR <b>Lat DD:</b> 30 <b>Lat MM:</b> 1 <b>Lat SS:</b> 20 <b>Long DD:</b> 82 <b>Long MM:</b> 20 <b>Long SS:</b> 21
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<u>3</u>	4 of 5	NE	0.04 / 225.59	139.77 / 4	UNION 76-JOHNS 80 W MAIN ST LAKE BUTLER FL 32054	UST
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<b>Facility ID:</b> 8519168 <b>Facility Status:</b> CLOSED <b>Facility Type:</b> A <b>Type Desc:</b> Retail Station <b>Facility Phone:</b> 9044311653 <b>Dep Co:</b> P <b>Owner ID:</b> 11456 <b>Owner Phone:</b> 9044962641 <b>Owner:</b> JOHNS, SEEBER <b>Owner Address1:</b> RR 1 BOX 479-T <b>Owner Address2:</b> <b>Owner City:</b> LAKE BUTLER <b>Owner State:</b> FL <b>Owner Zip 5:</b> 32054 <b>Contact:</b> SEEBER JOHNS <b>Source:</b> Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information <b>Oculus Docs Inventory URL:</b> <a href="https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8519168&amp;CAT=11">https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8519168&amp;CAT=11</a> <b>Information Portal Fac URL:</b> <a href="http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8519168">http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8519168</a> <b>Information Portal Doc URL:</b> <a href="http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519168/facility!search">http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519168/facility!search</a>	<b>County:</b> UNION <b>Lat/Long Method:</b> UNVR <b>Lat DD:</b> 30 <b>Lat MM:</b> 1 <b>Lat SS:</b> 20 <b>Long DD:</b> 82 <b>Long MM:</b> 20 <b>Long SS:</b> 21
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**Tank Information**

<b>Tank ID:</b> 1 <b>Tank Status:</b> B - REMOVED FROM SITE <b>Status Date:</b> 31-JAN-1987 <b>Installation Date:</b> 01-JUL-1964 <b>Tank Desc:</b>	<b>Capacity:</b> 550 <b>Substance:</b> A - Leaded Gas <b>Placement:</b> UNDERGROUND <b>Tank Vessel Indic:</b> TANK
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**Tank Information**

<b>Tank ID:</b> 2 <b>Tank Status:</b> B - REMOVED FROM SITE	<b>Capacity:</b> 1000 <b>Substance:</b> A - Leaded Gas
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Status Date:</b>		31-JAN-1987	<b>Placement:</b>		UNDERGROUND	
<b>Installation Date:</b>		01-JUL-1964	<b>Tank Vessel Indic:</b>		TANK	
<b>Tank Desc:</b>						
<b><u>Tank Information</u></b>						
<b>Tank ID:</b>		7	<b>Capacity:</b>		3000	
<b>Tank Status:</b>		B - REMOVED FROM SITE	<b>Substance:</b>		B - Unleaded Gas	
<b>Status Date:</b>		01-SEP-1994	<b>Placement:</b>		UNDERGROUND	
<b>Installation Date:</b>		01-DEC-1986	<b>Tank Vessel Indic:</b>		TANK	
<b>Tank Desc:</b>						
<b><u>Tank Information</u></b>						
<b>Tank ID:</b>		4	<b>Capacity:</b>		1000	
<b>Tank Status:</b>		B - REMOVED FROM SITE	<b>Substance:</b>		B - Unleaded Gas	
<b>Status Date:</b>		31-JAN-1987	<b>Placement:</b>		UNDERGROUND	
<b>Installation Date:</b>		01-JUL-1964	<b>Tank Vessel Indic:</b>		TANK	
<b>Tank Desc:</b>						
<b><u>Tank Information</u></b>						
<b>Tank ID:</b>		3	<b>Capacity:</b>		1000	
<b>Tank Status:</b>		B - REMOVED FROM SITE	<b>Substance:</b>		B - Unleaded Gas	
<b>Status Date:</b>		31-JAN-1987	<b>Placement:</b>		UNDERGROUND	
<b>Installation Date:</b>		01-JUL-1964	<b>Tank Vessel Indic:</b>		TANK	
<b>Tank Desc:</b>						
<b><u>Tank Information</u></b>						
<b>Tank ID:</b>		6	<b>Capacity:</b>		4000	
<b>Tank Status:</b>		B - REMOVED FROM SITE	<b>Substance:</b>		B - Unleaded Gas	
<b>Status Date:</b>		01-SEP-1994	<b>Placement:</b>		UNDERGROUND	
<b>Installation Date:</b>		01-DEC-1986	<b>Tank Vessel Indic:</b>		TANK	
<b>Tank Desc:</b>						
<b><u>Tank Information</u></b>						
<b>Tank ID:</b>		5	<b>Capacity:</b>		4000	
<b>Tank Status:</b>		B - REMOVED FROM SITE	<b>Substance:</b>		X - Misc Petrol-Based Product	
<b>Status Date:</b>		01-SEP-1994	<b>Placement:</b>		UNDERGROUND	
<b>Installation Date:</b>		01-DEC-1986	<b>Tank Vessel Indic:</b>		TANK	
<b>Tank Desc:</b>						

3      5 of 5      NE      0.04 / 225.59      139.77 / 4      UNION 76-JOHNS 80 W MAIN ST LAKE BUTLER FL 32054      STCS

<b>Facility ID:</b>	8519168	<b>Zip5 (Open Data):</b>	32054
<b>Type:</b>	A - Retail Station	<b>CountyID(OpenData):</b>	63
<b>Status:</b>	Closed	<b>County (Open Data):</b>	UNION
<b>County:</b>	UNION	<b>Contam (Map):</b>	YES
<b>Fac Stat(OpenData):</b>	CLOSED	<b>Fac Type (Map):</b>	Retail Station
<b>Fac Code(OpenData):</b>	A	<b>Fac Stat (Map):</b>	CLOSED
<b>Fac Type(OpenData):</b>	Retail Station	<b>Status (Map):</b>	REVIEWED
<b>Clnup Cd(OpenData):</b>	ONGO	<b>City (Map):</b>	LAKE BUTLER
<b>Clnup Dt(OpenData):</b>	2001/09/18	<b>County (Map):</b>	63
<b>Status (Open Data):</b>	REVIEWED	<b>Zip5 (Map):</b>	32054
<b>City (Open Data):</b>	LAKE BUTLER	<b>Zip4 (Map):</b>	1638
<b>Fac Name(Open Data):</b>	UNION 76-JOHNS		
<b>Address (Open Data):</b>	80 W MAIN ST		
<b>Fac Cleanup Stat(Open Data):</b>	ONGOING		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Name (Map): UNION 76-JOHNS  
 Address (Map): 80 W MAIN ST

**FDEP Storage Tank Monitoring Open Data Details**

<b>Object ID:</b>	10327	<b>Map Src:</b>	1999 doqs
<b>X:</b>	-82.3387958888906	<b>Map Scale:</b>	1955
<b>Y:</b>	30.0229722777808	<b>Elevation:</b>	
<b>Regulated:</b>	NO	<b>EI Datum:</b>	
<b>Col Meth:</b>	DPHO	<b>EI Resolut:</b>	
<b>Col Name:</b>	CALTA_H	<b>EI Units:</b>	
<b>Col Date:</b>	28-Jan-2004	<b>ALB East:</b>	560021.42
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>ALB North:</b>	669509.03
<b>Ver Meth:</b>	DPHO	<b>Loc ID:</b>	11676
<b>Ver Name:</b>	CALTA_H	<b>Lat DD:</b>	30
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Date:</b>	28-Jan-2004	<b>Lat SS:</b>	
<b>OOIC:</b>	FACILITY	<b>Long DD:</b>	82
<b>Rel Feat:</b>	EXACT	<b>Long MM:</b>	20
<b>Datum:</b>	HARN	<b>Long SS:</b>	
<b>Coord Acc:</b>	3		
<b>Col Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Ver Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Direct:</b>			
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519168/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519168/gis-facility!search</a>		

**FDEP Open Data - Storage Tank Contamination Monitoring (STCM)**

<b>Loc ID:</b>	11676	<b>Rel Feat:</b>	EXACT
<b>Site Type:</b>	Retail Station	<b>EI Datum:</b>	
<b>Contam Ind:</b>		<b>EI Resolut:</b>	
<b>Phone:</b>	9044311653	<b>EI Units:</b>	
<b>Operator:</b>	SAM JOHNS	<b>Map Src:</b>	1999 doqs
<b>Next action:</b>	INVOICE 31-MAY-95	<b>Map Scale:</b>	1955
<b>Fin Respon:</b>		<b>Coord Acc:</b>	3
<b>Office:</b>	NED	<b>Alb East:</b>	560021.42
<b>OOIC:</b>	FACILITY	<b>Alb North:</b>	669509.03
<b>Col Meth:</b>	DPHO	<b>Datum:</b>	HARN
<b>Col Name:</b>	CALTA_H	<b>Elevation:</b>	
<b>Col Date:</b>	1/28/2004	<b>Lat DD:</b>	30
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Meth:</b>	DPHO	<b>Lat SS:</b>	
<b>Ver Name:</b>	CALTA_H	<b>Long DD:</b>	82
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Long MM:</b>	20
<b>Ver Date:</b>	1/28/2004	<b>Long SS:</b>	
<b>Object ID:</b>	11676		
<b>Col Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Ver Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519168/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519168/gis-facility!search</a>		

**FDEP - Storage Tank Contamination Monitoring (STCM) Details**

**Name:** Union 76-Johns  
 80 W Main St  
 Lake Butler, FL 32054- 1638

**LL Method:** DPHO - Unverified

**Account Owner:** Johns, Seeber

**Contact:** Sam Johns

**Phone:** 904-431-1653

**District:** NED

**County 1:** 63 - Union

**Latitude:** 30:01:22.7002

**Longitude:** 82:20:19.6652

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 3  
**Size:** 1000  
**Content:** Unleaded Gas  
**Installed:** 07/01/1964  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 6  
**Size:** 4000  
**Content:** Unleaded Gas  
**Installed:** 12/01/1986  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 7  
**Size:** 3000  
**Content:** Unleaded Gas  
**Installed:** 12/01/1986  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 4  
**Size:** 1000  
**Content:** Unleaded Gas  
**Installed:** 07/01/1964  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 5  
**Size:** 4000  
**Content:** Misc Petrol-Based Product  
**Installed:** 12/01/1986  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Size:		550				
Content:		Leaded Gas				
Installed:		07/01/1964				
Placement:		UNDER				
Status:		Removed from Site				
Construction:						
Piping:						
Monitoring:						

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 2  
**Size:** 1000  
**Content:** Leaded Gas  
**Installed:** 07/01/1964  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

<u>4</u>	1 of 5	NW	0.05 / 250.73	141.55 / 5	SHADDS FACILITY 220 W MAIN ST LAKE BUTLER FL 32054	LST
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<b>Facility ID:</b>	9807182	<b>Datum:</b>	
<b>Facility Status:</b>	CLOSED	<b>Lat DD:</b>	30
<b>Facility Type:</b>	X - Contamination Site	<b>Lat MM:</b>	1
<b>Score:</b>	60	<b>Lat SS:</b>	21.9739
<b>Score Effective Date:</b>	06/22/2011	<b>Long DD:</b>	82
<b>Score when Ranked:</b>		<b>Long MM:</b>	20
<b>Rank:</b>		<b>Long SS:</b>	24.124
<b>Operator:</b>		<b>Facility T (Map):</b>	Contamination Site
<b>Prim Related Party:</b>		<b>Facility S (Map):</b>	CLOSED
<b>Primary RP Role:</b>		<b>County (Map):</b>	UNION
<b>RP Begin Date:</b>		<b>Collection (Map):</b>	DPHO
<b>Phone:</b>		<b>Collector (Map):</b>	BAIN_W
<b>Name Changed:</b>		<b>Collecti 1 (Map):</b>	2/1/2006
<b>Address Changed:</b>		<b>Datum (Map):</b>	HARN
<b>Section:</b>	30	<b>Rel Feat (Map):</b>	APPRX
<b>Township:</b>	05S	<b>Geometry (Map):</b>	
<b>Range:</b>	20E	<b>Lat DD (Map):</b>	30
<b>District:</b>	NED	<b>Lat MM (Map):</b>	1
<b>County:</b>	UNION	<b>Lat SS (Map):</b>	
<b>County No:</b>	63	<b>Long DD (Map):</b>	82
<b>Feature:</b>		<b>Long MM (Map):</b>	20
<b>Method:</b>		<b>Long SS (Map):</b>	
<b>RP Name:</b>			
<b>RP Address1:</b>			
<b>RP Address2:</b>			
<b>RP City:</b>			
<b>RP State:</b>			
<b>RP Zip5:</b>			
<b>RP Zip4:</b>			
<b>Contact:</b>			
<b>RP Phone:</b>			
<b>RP Phone Ext.:</b>			
<b>RP Bad Addr Ind:</b>			
<b>Facility Name (Map):</b>	SHADDS FACILITY		
<b>Address (Map):</b>	220 W MAIN ST		
<b>City (Map):</b>	LAKE BUTLER		
<b>Zip5 (Map):</b>	32054		
<b>Document L (Map):</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9807182/facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9807182/facility!search</a>		
<b>Oculus Docs Inventory:</b>	<a href="https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9807182&amp;CAT=11">https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9807182&amp;CAT=11</a>		
<b>Information Portal Fac URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=9807182">http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=9807182</a>		
<b>Information Portal Doc URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9807182/facility!search">http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9807182/facility!search</a>		
<b>Source:</b>	DEP; Storage Tanks & Contamination Monitoring, Discharge Info.; FDEP Open Data, Petroleum Contamination		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Monitoring (PCTS) Discharges (Map)

**Discharge Cleanup Summary**

**Discharge Date:** 09/30/1987  
**Cleanup Required:** R - CLEANUP REQUIRED  
**Discharge Cleanup Status:** RA - RA ONGOING  
**Discharge Cleanup Stat Date:** 02/18/2011  
**Eligibility Indicator:** E - ELIGIBLE  
**Site Manager:** KASSEES\_A  
**Site Manager End Date:**  
**Tank Office:** PCLP1 - ALACHUA ENVIRONMENTAL PROTECTION DEPARTMENT

**Contaminated Media**

**Contaminated Drinking Wells:**  
**Contaminated Mntring Wells:** NO  
**Contaminated Soil:** NO  
**Contaminated Surface Water:** NO  
**Contaminated Ground Water:** YES  
**Pollutant:** Y - Unknown/Not Reported  
**Other Description:** part of Lake Butler cluster  
**Gallons Discharged:**

**Petroleum Cleanup Program Eligibility**

**Cleanup Program:** T - NON-PROGRAM/CONSENT ORDER  
**Eligibility Status:** NOT ELIGIBLE

**Task Info**

<b>SA Task ID:</b> 87687	<b>SR Soil Treatment:</b>
<b>SA Cleanup Resp:</b> -	<b>SR Other Treatment:</b>
<b>SA Actual Cost:</b>	<b>SR Alt Proc Rec:</b>
<b>SA Complete Date:</b>	<b>RAP Task ID:</b>
<b>SA Payment Date:</b>	<b>RAP Clean Resp ID:</b> -
<b>SR Task ID:</b> 88098	<b>RAP Actual Cost:</b>
<b>SR Cleanup Resp:</b> -	<b>RAP Complete Date:</b>
<b>SR Actual Cost:</b>	<b>RAP Payment Date:</b>
<b>SR Complete Date:</b>	<b>RAP Last Ord Appr:</b>
<b>SR Payment Date:</b>	<b>RA Task ID:</b> 87189
<b>SR Oral Date:</b>	<b>RA Cleanup Resp:</b> -
<b>SR Written Date:</b>	<b>RA Yrs to Complete:</b>
<b>SR Soil Removal:</b>	<b>RA Actual Cost:</b>
<b>SR Free Prod Rmvl:</b>	<b>Tank Office:</b> PCTM4 - Team 4
<b>SR Soil Ton Remove:</b>	
<b>SR Fund Elig Type:</b> -	
<b>SA Fund Elig Type:</b> -	
<b>RAP Fund Elig Type:</b> -	
<b>RA Fund Elig Type:</b> -	
<b>SR Alternate Procedure Status:</b>	
<b>SR Alt Procedure Status Dt:</b>	
<b>SR Alt Procedure Comment:</b>	
<b>SRC Action Type:</b> -	
<b>SRC Submit Date:</b>	
<b>SRC Review Date:</b>	
<b>SRC Complete Status:</b> -	
<b>SRC Comp Status Dt:</b>	
<b>SRC Issue Date:</b>	
<b>SRC Comments:</b>	

**Petroleum Cleanup Funding Cap Encumbrance to Date**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
FCFS:			\$0.00			
LPSPASM:			\$0.00			
SPASM:			\$0.00			
NPDES:			\$0.00			
Utility 1 Time Payments:			\$91,446.09			
All Wo Ta Co Pos Encumbered:			\$4,011,536.24			
Wo Ta Co Pos Exclu from Cap:			\$0.00			
Ttl Amnt Encumbered to Date:			\$4,102,982.33			
Ttl Amnt Encumbered Towar:			\$4,102,982.33			

**Contract**

**Contractor:** WSP USA ENVIRONMENT & INFRASTRUCTURE, INC.  
**Score:** 60  
**Facility Name:** SHADDS FACILITY  
**Address:** 220 W MAIN ST  
**City:** LAKE BUTLER  
**ZIP:** 32054  
**District:** NED  
**County ID:** 63  
**County:** UNION

**Discharge Info (Map)**

<b>Discharge:</b>	59377	<b>Eligibility:</b>	ELIGIBLE
<b>Discharge 1:</b>	30-Sep-1987	<b>Eligibility 1:</b>	NPCO
<b>Discharge 2:</b>	60	<b>Report Pha:</b>	RA
<b>Discharge 3:</b>	RA	<b>Report Sub:</b>	OM
<b>General Cl:</b>	WORK UNDERWAY	<b>Report S 1:</b>	28-Aug-2020
<b>Disch Clea:</b>	18-Feb-2011	<b>Staff Assi:</b>	KASSEES_A
<b>Tank Offic:</b>	ALACHUA ENVIRONMENTAL PROTECTION DEPARTMENT		

**Open Discharges**

**Program:** NPCO  
**Eligibility:** APPROVED  
**Elig Letter Sent:** 09/30/1987  
**Discharge Date:** 09/30/1987  
**Score:** 60  
**Facility:** SHADDS FACILITY  
**Address:** 220 W MAIN ST  
**City:** LAKE BUTLER  
**State:** FL  
**Zip:** 32054  
**County ID:** 63  
**County:** UNION

**AST UST Discharges**

<b>Dep Co:</b>	P	<b>Long SS:</b>	
<b>CU Req:</b>	R	<b>CU Stat:</b>	
<b>Score:</b>	00060	<b>Stat Desc:</b>	RA ONGOING
<b>Descrip:</b>	CLEANUP REQUIRED	<b>Fac Name:</b>	SHADDS FACILITY
<b>Discharge Date:</b>	30-SEP-87	<b>Fac Type:</b>	X
<b>Score Date:</b>	22-JUN-2011	<b>Type Desc:</b>	Contamination Site
<b>Stat Date:</b>	18-FEB-2011	<b>Fac Addr:</b>	220 W MAIN ST
<b>LL Meth:</b>		<b>Fac City:</b>	LAKE BUTLER
<b>Lat DD:</b>		<b>Fac Zip:</b>	32054
<b>Lat MM:</b>		<b>County:</b>	63
<b>Lat SS:</b>		<b>Fac State:</b>	CLOSED
<b>Long DD:</b>		<b>Fac Phone:</b>	
<b>Long MM:</b>			
<b>Prg Desc:</b>	NON-PROGRAM/CONSENT ORDER		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Eligible Discharges

**Program:** NPCO  
**Current Status:** ACTIVE  
**Discharge Date:** 09/30/1987  
**Score:** 60  
**Facility:** SHADDS FACILITY  
**Address:** 220 W MAIN ST  
**City:** LAKE BUTLER  
**Zip:** 32054  
**County:** UNION  
**Owner:**  
**Owner Address:**  
**Owner City:**  
**Owner State:**  
**Owner Zip:**  
**Owner Phone:**  
**Owner Email:**

<a href="#">4</a>	2 of 5	NW	0.05 / 250.73	141.55 / 5	TRU BLU POOL SERVICE & SUPPIES, LLC 220 W. MAIN STREET - LAKE BUTLER FL 32054	SSTS
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**EPA Region:** 4  
**Establishment No:** 89352-FL-1  
**Est Create Update Date:**  
**Est Site County:** Union  
**Est Site Country:** USA  
**Est Mailing Address:** 220 W. MAIN STREET  
**Est Mailing Address Line 2:** -  
**Est Mail City:** LAKE BUTLER  
**Est Mail State:** FL  
**Est Mail Zip:** 32054  
**Est Mail Country:** USA  
**Company Name:** TRU BLUE POOL SUPPIES AND SERVICE, LLC  
**Co Site Address Line 1:** 11758 SW 83RD DR  
**Co Site Address Line 2:** -  
**Co Site City:** LAKE BUTLER  
**Co Site State:** FL  
**Co Site Zip:** 32054  
**Co Site Country:** USA  
**Co Mailing Address Line 1:** 11758 SW 83RD DR  
**Co Mail Address Line 2:** -  
**Co Mail City:** LAKE BUTLER  
**Co Mail State:** FL  
**Co Mail Zip:** 32054  
**Co Mail Country:** USA

<a href="#">4</a>	3 of 5	NW	0.05 / 250.73	141.55 / 5	SHADDS FACILITY 220 W MAIN ST LAKE BUTLER FL 32054	WELL SURVEILLANCE
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**Facility ID:** 9807182  
**Project ID:** SUPER  
**Req No:**  
**Loc ID:** 244495  
**GPS ID:** 244495  
**Type:** PETROLEUM  
**Insp CHD:** ALACHUA  
**HAE:** 42.09  
**Loc Method:** DGPS - Differentially Corrected GPS  
**Insp F Name:** AMY  
**Insp L Name:** GROSSMAN  
**Comment:**

**County:** UNION  
**Longitude:** -82.340189  
**Latitude:** 30.022776  
**GPS Date:** 2/26/2010 0:00:00  
**Datum:**  
**Software:** Risk\_Solo\_v2  
**Streetside:**  
**Agency:** DOH

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>4</u>	4 of 5	NW	0.05 / 250.73	141.55 / 5	SHADDS FACILITY 220 W MAIN ST LAKE BUTLER FL 32054	DWM CONTAM

<b>Facility ID:</b>	9807182	<b>Contact:</b>	
<b>Site ID:</b>	9807182	<b>Phone:</b>	
<b>Program Area:</b>		<b>Method:</b>	
<b>Facility Type:</b>		<b>Datum:</b>	
<b>Fac Type:</b>		<b>Related Party ID:</b>	
<b>County ID:</b>	63	<b>Primary RP Role:</b>	
<b>Ftc1 Fac Type ID:</b>	X	<b>RP Begin Date:</b>	
<b>Stcm Facility Type:</b>	X	<b>RP Address1:</b>	
<b>District:</b>	NED	<b>RP Address2:</b>	
<b>Site Status:</b>		<b>RP City:</b>	
<b>Section:</b>	30	<b>RP State:</b>	
<b>Township:</b>	05S	<b>RP Zip5:</b>	
<b>County:</b>	Union	<b>RP Zip4:</b>	
<b>Range:</b>	20E	<b>RP Phone:</b>	
<b>Rank:</b>		<b>RP Extension:</b>	
<b>Operator:</b>		<b>RP Bad Addr Ind:</b>	
<b>Name Changed:</b>		<b>RP Name:</b>	
<b>Addr Changed:</b>			
<b>Facility Name:</b>	SHADDS FACILITY		
<b>Description:</b>	Contamination Site		

**Program Details**

<b>Facility Status:</b>		<b>Staff Assigned:</b>	
<b>Offsite Contam:</b>		<b>Priority:</b>	
<b>Priority Score:</b>	60	<b>Score Effective Dt:</b>	
<b>Project Coordinato:</b>		<b>Score When Ranked:</b>	
<b>Program Eligible:</b>		<b>District:</b>	
<b>Ineligible:</b>		<b>Datum:</b>	
<b>Program Area:</b>	PETROLEUM	<b>Method:</b>	
<b>Site Manager:</b>	KASSEES_A	<b>Lat DD:</b>	
<b>Discharge Date:</b>	9/30/1987	<b>Lat MM:</b>	
<b>Discharge Eligibil:</b>	E	<b>Lat SS:</b>	
<b>Eligibility Progm:</b>	NPCO	<b>Long DD:</b>	
<b>Cleanup Status:</b>	OPEN-STCM	<b>Long MM:</b>	
<b>Closure Type:</b>		<b>Long SS:</b>	
<b>Closure Date:</b>			

<u>4</u>	5 of 5	NW	0.05 / 250.73	141.55 / 5	SHADDS FACILITY 220 W MAIN ST LAKE BUTLER FL 32054	STCS
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<b>Facility ID:</b>	9807182	<b>Zip5 (Open Data):</b>	32054
<b>Type:</b>	X - Contamination Site	<b>CountyID(OpenData):</b>	63
<b>Status:</b>	Closed	<b>County (Open Data):</b>	UNION
<b>County:</b>	UNION	<b>Contam (Map):</b>	YES
<b>Fac Stat(OpenData):</b>	CLOSED	<b>Fac Type (Map):</b>	Contamination Site
<b>Fac Code(OpenData):</b>	X	<b>Fac Stat (Map):</b>	CLOSED
<b>Fac Type(OpenData):</b>	Contamination Site	<b>Status (Map):</b>	REVIEWED
<b>Clnup Cd(OpenData):</b>	ONGO	<b>City (Map):</b>	LAKE BUTLER
<b>Clnup Dt(OpenData):</b>	2011/01/04	<b>County (Map):</b>	63
<b>Status (Open Data):</b>	REVIEWED	<b>Zip5 (Map):</b>	32054
<b>City (Open Data):</b>	LAKE BUTLER	<b>Zip4 (Map):</b>	0
<b>Fac Name(Open Data):</b>	SHADDS FACILITY		
<b>Address (Open Data):</b>	220 W MAIN ST		
<b>Fac Cleanup Stat(Open Data):</b>	ONGOING		
<b>Name (Map):</b>	SHADDS FACILITY		
<b>Address (Map):</b>	220 W MAIN ST		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**FDEP Storage Tank Monitoring Open Data Details**

<b>Object ID:</b>	59533	<b>Map Src:</b>	1999 doqs
<b>X:</b>	-82.3400344444463	<b>Map Scale:</b>	3059
<b>Y:</b>	30.0227705277805	<b>Elevation:</b>	
<b>Regulated:</b>	NO	<b>EI Datum:</b>	
<b>Col Meth:</b>	DPHO	<b>EI Resolut:</b>	
<b>Col Name:</b>	BAIN_W	<b>EI Units:</b>	
<b>Col Date:</b>	01-Feb-2006	<b>ALB East:</b>	559902.49
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>ALB North:</b>	669485.36
<b>Ver Meth:</b>	DPHO	<b>Loc ID:</b>	60621
<b>Ver Name:</b>	BAIN_W	<b>Lat DD:</b>	30
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Date:</b>	01-Feb-2006	<b>Lat SS:</b>	
<b>OOIC:</b>	FACILITY	<b>Long DD:</b>	82
<b>Rel Feat:</b>	APPRX	<b>Long MM:</b>	20
<b>Datum:</b>	HARN	<b>Long SS:</b>	
<b>Coord Acc:</b>	4		
<b>Col Aff:</b>	TKHQ		
<b>Ver Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Direct:</b>	PARCEL ID 30-05-20-13-015-0010-0		
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9807182/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9807182/gis-facility!search</a>		

**FDEP Open Data - Storage Tank Contamination Monitoring (STCM)**

<b>Loc ID:</b>	60621	<b>Rel Feat:</b>	APPRX
<b>Site Type:</b>	Contamination Site	<b>EI Datum:</b>	
<b>Contam Ind:</b>		<b>EI Resolut:</b>	
<b>Phone:</b>		<b>EI Units:</b>	
<b>Operator:</b>		<b>Map Src:</b>	1999 doqs
<b>Next action:</b>		<b>Map Scale:</b>	3059
<b>Fin Respon:</b>		<b>Coord Acc:</b>	4
<b>Office:</b>	NED	<b>Alb East:</b>	559902.49
<b>OOIC:</b>	FACILITY	<b>Alb North:</b>	669485.36
<b>Col Meth:</b>	DPHO	<b>Datum:</b>	HARN
<b>Col Name:</b>	BAIN_W	<b>Elevation:</b>	
<b>Col Date:</b>	2/1/2006	<b>Lat DD:</b>	30
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Meth:</b>	DPHO	<b>Lat SS:</b>	
<b>Ver Name:</b>	BAIN_W	<b>Long DD:</b>	82
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Long MM:</b>	20
<b>Ver Date:</b>	2/1/2006	<b>Long SS:</b>	
<b>Object ID:</b>	60621		
<b>Col Aff:</b>	TKHQ		
<b>Ver Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9807182/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9807182/gis-facility!search</a>		

**FDEP - Storage Tank Contamination Monitoring (STCM) Details**

<b>Name:</b>	Shadds Facility 220 W Main St Lake Butler, FL 32054
<b>LL Method:</b>	DPHO
<b>Account Owner:</b>	
<b>Contact:</b>	
<b>Phone:</b>	
<b>District:</b>	NED
<b>County 1:</b>	63 - Union
<b>Latitude:</b>	30:01:21.9739
<b>Longitude:</b>	82:20:24.1240

[5](#)

1 of 3

N

0.05 /  
272.20

139.62 /  
4

SHELL WELCH'S  
120 W MAIN ST  
LAKE BUTLER FL 32054

WELL  
SURVEILLANCE

<b>Facility ID:</b>	8734032	<b>County:</b>	UNION
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Project ID:</b>	SUPER				<b>Longitude:</b> -82.338675	
<b>Req No:</b>					<b>Latitude:</b> 30.022974	
<b>Loc ID:</b>	189985				<b>GPS Date:</b> 9/30/1999 4:01:24	
<b>GPS ID:</b>	189985				<b>Datum:</b> WS1984	
<b>Type:</b>	PETROLEUM				<b>Software:</b>	
<b>Insp CHD:</b>	UNION				<b>Streetside:</b>	
<b>HAE:</b>	-65.73				<b>Agency:</b>	
<b>Loc Method:</b>	DGPS - Differentially Corrected GPS					
<b>Insp F Name:</b>	JUTTA					
<b>Insp L Name:</b>	KARIBO					
<b>Comment:</b>						

**5**      2 of 3      **N**      0.05 / 272.20      139.62 / 4      **SHELL-WELCHS**  
**120 W MAIN ST**  
**LAKE BUTLER FL 32054**      **UST**

<b>Facility ID:</b>	8734032	<b>County:</b>	UNION
<b>Facility Status:</b>	CLOSED	<b>Lat/Long Method:</b>	UNVR
<b>Facility Type:</b>	A	<b>Lat DD:</b>	30
<b>Type Desc:</b>	Retail Station	<b>Lat MM:</b>	3
<b>Facility Phone:</b>	9044963001	<b>Lat SS:</b>	10
<b>Dep Co:</b>	P	<b>Long DD:</b>	82
<b>Owner ID:</b>	6096	<b>Long MM:</b>	24
<b>Owner Phone:</b>	9044963737	<b>Long SS:</b>	45
<b>Owner:</b>	MAINES, HAL & DRIGGERS, ROBERT		
<b>Owner Address1:</b>	250 NW 3RD ST		
<b>Owner Address2:</b>			
<b>Owner City:</b>	LAKE BUTLER		
<b>Owner State:</b>	FL		
<b>Owner Zip 5:</b>	32054		
<b>Contact:</b>	ROBERT DRIGGERS		
<b>Source:</b>	Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information		
<b>Oculus Docs Inventory URL:</b>	<a href="https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8734032&amp;CAT=11">https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8734032&amp;CAT=11</a>		
<b>Information Portal Fac URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8734032">http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8734032</a>		
<b>Information Portal Doc URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8734032/facility!search">http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8734032/facility!search</a>		

**Tank Information**

<b>Tank ID:</b>	5	<b>Capacity:</b>	500
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	K - Kerosene
<b>Status Date:</b>	01-DEC-1998	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1957	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	2	<b>Capacity:</b>	3000
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	31-DEC-1989	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1957	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	1	<b>Capacity:</b>	3000
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	31-DEC-1989	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1957	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Tank ID:</b>	6				<b>Capacity:</b>	200
<b>Tank Status:</b>	B - REMOVED FROM SITE				<b>Substance:</b>	L - Waste Oil
<b>Status Date:</b>	01-DEC-1998				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1957				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

**Tank Information**

<b>Tank ID:</b>	3				<b>Capacity:</b>	3000
<b>Tank Status:</b>	B - REMOVED FROM SITE				<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	31-DEC-1989				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1957				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

**Tank Information**

<b>Tank ID:</b>	4				<b>Capacity:</b>	3000
<b>Tank Status:</b>	B - REMOVED FROM SITE				<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	31-DEC-1989				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1957				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

<b>5</b>	<b>3 of 3</b>	<b>N</b>	<b>0.05 / 272.20</b>	<b>139.62 / 4</b>	<b>SHELL-WELCHS 120 W MAIN ST LAKE BUTLER FL 32054</b>	<b>STCS</b>
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<b>Facility ID:</b>	8734032	<b>Zip5 (Open Data):</b>	32054
<b>Type:</b>	A - Retail Station	<b>CountyID(OpenData):</b>	63
<b>Status:</b>	Closed	<b>County (Open Data):</b>	UNION
<b>County:</b>	UNION	<b>Contam (Map):</b>	
<b>Fac Stat(OpenData):</b>	CLOSED	<b>Fac Type (Map):</b>	Retail Station
<b>Fac Code(OpenData):</b>	A	<b>Fac Stat (Map):</b>	CLOSED
<b>Fac Type(OpenData):</b>	Retail Station	<b>Status (Map):</b>	REVIEWED
<b>Clnup Cd(OpenData):</b>		<b>City (Map):</b>	LAKE BUTLER
<b>Clnup Dt(OpenData):</b>		<b>County (Map):</b>	63
<b>Status (Open Data):</b>	REVIEWED	<b>Zip5 (Map):</b>	32054
<b>City (Open Data):</b>	LAKE BUTLER	<b>Zip4 (Map):</b>	1640
<b>Fac Name(Open Data):</b>	SHELL-WELCHS		
<b>Address (Open Data):</b>	120 W MAIN ST		
<b>Fac Cleanup Stat(Open Data):</b>			
<b>Name (Map):</b>	SHELL-WELCHS		
<b>Address (Map):</b>	120 W MAIN ST		

**FDEP Storage Tank Monitoring Open Data Details**

<b>Object ID:</b>	21956	<b>Map Src:</b>	1999 doqs
<b>X:</b>	-82.3392422222237	<b>Map Scale:</b>	1259
<b>Y:</b>	30.0229775000031	<b>Elevation:</b>	
<b>Regulated:</b>	NO	<b>EI Datum:</b>	
<b>Col Meth:</b>	DPHO	<b>EI Resolut:</b>	
<b>Col Name:</b>	CALTA_H	<b>EI Units:</b>	
<b>Col Date:</b>	25-Feb-2004	<b>ALB East:</b>	559977.77
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>ALB North:</b>	669509.070000001
<b>Ver Meth:</b>	DPHO	<b>Loc ID:</b>	11666
<b>Ver Name:</b>	CALTA_H	<b>Lat DD:</b>	30
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Date:</b>	25-Feb-2004	<b>Lat SS:</b>	
<b>OOIC:</b>	FACILITY	<b>Long DD:</b>	82
<b>Rel Feat:</b>	EXACT	<b>Long MM:</b>	20
<b>Datum:</b>	HARN	<b>Long SS:</b>	
<b>Coord Acc:</b>	3		
<b>Col Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Ver Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Direct:</b>			
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8734032/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8734032/gis-facility!search</a>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**FDEP Open Data - Storage Tank Contamination Monitoring (STCM)**

<b>Loc ID:</b>	11666	<b>Rel Feat:</b>	EXACT
<b>Site Type:</b>	Retail Station	<b>EI Datum:</b>	
<b>Contam Ind:</b>		<b>EI Resolut:</b>	
<b>Phone:</b>	9044963001	<b>EI Units:</b>	
<b>Operator:</b>	JOHNNY & JOAN WELCH	<b>Map Src:</b>	1999 doqs
<b>Next action:</b>	INVOICE DUE	<b>Map Scale:</b>	1259
<b>Fin Respon:</b>		<b>Coord Acc:</b>	3
<b>Office:</b>	NED	<b>Alb East:</b>	559977.77
<b>OOIC:</b>	FACILITY	<b>Alb North:</b>	669509.070000001
<b>Col Meth:</b>	DPHO	<b>Datum:</b>	HARN
<b>Col Name:</b>	CALTA_H	<b>Elevation:</b>	
<b>Col Date:</b>	2/25/2004	<b>Lat DD:</b>	30
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Meth:</b>	DPHO	<b>Lat SS:</b>	
<b>Ver Name:</b>	CALTA_H	<b>Long DD:</b>	82
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Long MM:</b>	20
<b>Ver Date:</b>	2/25/2004	<b>Long SS:</b>	
<b>Object ID:</b>	11666		
<b>Col Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Ver Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8734032/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8734032/gis-facility!search</a>		

**FDEP - Storage Tank Contamination Monitoring (STCM) Details**

**Name:** Shell-Welchs  
120 W Main St  
Lake Butler, FL 32054- 1640

**LL Method:** DPHO - Unverified

**Account Owner:** Maines, Hal & Driggers, Robert

**Contact:** Johnny & Joan Welch

**Phone:** 904-496-3001

**District:** NED

**County 1:** 63 - Union

**Latitude:** 30:01:22.7190

**Longitude:** 82:20:21.2720

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 1

**Size:** 3000

**Content:** Unleaded Gas

**Installed:** 07/01/1957

**Placement:** UNDER

**Status:** Removed from Site

**Construction:**

**Piping:**

**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 2

**Size:** 3000

**Content:** Unleaded Gas

**Installed:** 07/01/1957

**Placement:** UNDER

**Status:** Removed from Site

**Construction:**

**Piping:**

**Monitoring:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 6  
 Size: 200  
 Content: Waste Oil  
 Installed: 07/01/1957  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 3  
 Size: 3000  
 Content: Leaded Gas  
 Installed: 07/01/1957  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 4  
 Size: 3000  
 Content: Unleaded Gas  
 Installed: 07/01/1957  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 5  
 Size: 500  
 Content: Kerosene  
 Installed: 07/01/1957  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

<u>6</u>	1 of 6	N	0.07 / 377.52	141.41 / 5	UNION COUNTY PROPERTY 115 W MAIN ST LAKE BUTLER FL 32054-8316	LST
Facility ID:	8517147	Datum:	0			
Facility Status:	CLOSED	Lat DD:	30			
Facility Type:	C - Fuel user/Non-retail	Lat MM:	1			
Score:	61	Lat SS:	23.6883			
Score Effective Date:	06/22/2011	Long DD:	82			
Score when Ranked:	57	Long MM:	20			
Rank:	2258	Long SS:	20.958			
Operator:		Facility T (Map):	Fuel user/Non-retail			
Prim Related Party:	22590	Facility S (Map):	CLOSED			
Primary RP Role:	PROPERTY OWNER	County (Map):	UNION			
RP Begin Date:	04/15/2002	Collection (Map):	DGPS			
Phone:		Collector (Map):	CALTA_H			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Name Changed:</b>	04/15/2002				<b>Collect 1 (Map):</b>	1/28/2004
<b>Address Changed:</b>	10/04/2002				<b>Datum (Map):</b>	WGS84
<b>Section:</b>	030				<b>Rel Feat (Map):</b>	EXACT
<b>Township:</b>	05S				<b>Geometry (Map):</b>	
<b>Range:</b>	20E				<b>Lat DD (Map):</b>	30
<b>District:</b>	NED				<b>Lat MM (Map):</b>	1
<b>County:</b>	UNION				<b>Lat SS (Map):</b>	
<b>County No:</b>	63				<b>Long DD (Map):</b>	82
<b>Feature:</b>					<b>Long MM (Map):</b>	20
<b>Method:</b>	UNVR				<b>Long SS (Map):</b>	
<b>RP Name:</b>		UNION CNTY BOCC				
<b>RP Address1:</b>		15 NE FIRST ST				
<b>RP Address2:</b>		ATTN: FINANCE DIRECTOR				
<b>RP City:</b>		LAKE BUTLER				
<b>RP State:</b>		FL				
<b>RP Zip5:</b>		32054				
<b>RP Zip4:</b>						
<b>Contact:</b>		DONNA JACKSON - FINANCE DIR   CHRISTA MYERS				
<b>RP Phone:</b>		(386)496-0099				
<b>RP Phone Ext.:</b>						
<b>RP Bad Addr Ind:</b>		No				
<b>Facility Name (Map):</b>		UNION COUNTY PROPERTY				
<b>Address (Map):</b>		115 W MAIN ST				
<b>City (Map):</b>		LAKE BUTLER				
<b>Zip5 (Map):</b>		32054				
<b>Document L (Map):</b>		<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517147/facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517147/facility!search</a>				
<b>Oculus Docs Inventory:</b>		<a href="https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8517147&amp;CAT=11">https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8517147&amp;CAT=11</a>				
<b>Information Portal Fac URL:</b>		<a href="http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8517147">http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8517147</a>				
<b>Information Portal Doc URL:</b>		<a href="http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517147/facility!search">http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517147/facility!search</a>				
<b>Source:</b>		DEP; Storage Tanks & Contamination Monitoring, Discharge Info.; FDEP Open Data, Petroleum Contamination Monitoring (PCTS) Discharges (Map)				

#### Discharge Cleanup Summary

<b>Discharge Date:</b>	08/01/1991
<b>Cleanup Required:</b>	R - CLEANUP REQUIRED
<b>Discharge Cleanup Status:</b>	RA - RA ONGOING
<b>Discharge Cleanup Stat Date:</b>	08/28/1998
<b>Eligibility Indicator:</b>	E - ELIGIBLE
<b>Site Manager:</b>	CULLINAN_J
<b>Site Manager End Date:</b>	
<b>Tank Office:</b>	PCLP1 - ALACHUA ENVIRONMENTAL PROTECTION DEPARTMENT

#### Contaminated Media

<b>Contaminated Drinking Wells:</b>	0
<b>Contaminated Mntring Wells:</b>	YES
<b>Contaminated Soil:</b>	NO
<b>Contaminated Surface Water:</b>	NO
<b>Contaminated Ground Water:</b>	YES
<b>Pollutant:</b>	Y - Unknown/Not Reported
<b>Other Description:</b>	
<b>Gallons Discharged:</b>	

#### Petroleum Cleanup Program Eligibility

<b>Cleanup Program:</b>	A - ABANDONED TANK RESTORATION PROGRAM
<b>Eligibility Status:</b>	ELIGIBLE

#### Task Info

<b>SA Task ID:</b>	15318	<b>SR Soil Treatment:</b>	
<b>SA Cleanup Resp:</b>	ST - STATE	<b>SR Other Treatment:</b>	
<b>SA Actual Cost:</b>		<b>SR Alt Proc Rec:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
SA Complete Date:					RAP Task ID:	15319
SA Payment Date:					RAP Clean Resp ID:	ST - STATE
SR Task ID:					RAP Actual Cost:	
SR Cleanup Resp:	-				RAP Complete Date:	
SR Actual Cost:					RAP Payment Date:	
SR Complete Date:					RAP Last Ord Appr:	
SR Payment Date:					RA Task ID:	15320
SR Oral Date:					RA Cleanup Resp:	ST - STATE
SR Written Date:					RA Yrs to Complete:	
SR Soil Removal:					RA Actual Cost:	
SR Free Prod Rmvl:					Tank Office:	PCLP1 - Alachua County
SR Soil Ton Remove:						
SR Fund Elig Type:	-					
SA Fund Elig Type:	-					
RAP Fund Elig Type:	-					
RA Fund Elig Type:	-					
SR Alternate Procedure Status:						
SR Alt Procedure Status Dt:						
SR Alt Procedure Comment:						
SRC Action Type:	-					
SRC Submit Date:						
SRC Review Date:						
SRC Complete Status:	-					
SRC Comp Status Dt:						
SRC Issue Date:						
SRC Comments:						

**Petroleum Cleanup Funding Cap Encumbrance to Date**

FCFS:	\$0.00
LPSPASM:	\$0.00
SPASM:	\$0.00
NPDES:	\$0.00
Utility 1 Time Payments:	\$1,839.84
All Wo Ta Co Pos Encumbered:	\$410,678.61
Wo Ta Co Pos Exclu from Cap:	\$0.00
Ttl Amnt Encumbered to Date:	\$412,518.45
Ttl Amnt Encumbered Towar:	\$412,518.45

**Contract**

Contractor:	WSP USA ENVIRONMENT & INFRASTRUCTURE, INC.
Score:	61
Facility Name:	UNION COUNTY PROPERTY
Address:	115 W MAIN ST
City:	LAKE BUTLER
ZIP:	32054
District:	NED
County ID:	63
County:	UNION

**Discharge Info (Map)**

Discharge:	6176	Eligibility:	ELIGIBLE
Discharge 1:	01-Aug-1991	Eligibility 1:	ATRP
Discharge 2:	61	Report Pha:	RA
Discharge 3:	RA	Report Sub:	RAP
General Cl:	WORK UNDERWAY	Report S 1:	17-Mar-2023
Disch Clea:	28-Aug-1998	Staff Assi:	CULLINAN_J
Tank Offic:	ALACHUA ENVIRONMENTAL PROTECTION DEPARTMENT		

**Open Discharges**

Program:	ATRP
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Eligibility:</b>		ELIGIBLE				
<b>Elig Letter Sent:</b>		06/29/1992				
<b>Discharge Date:</b>		08/01/1991				
<b>Score:</b>		61				
<b>Facility:</b>		UNION COUNTY PROPERTY				
<b>Address:</b>		115 W MAIN ST				
<b>City:</b>		LAKE BUTLER				
<b>State:</b>		FL				
<b>Zip:</b>		32054				
<b>County ID:</b>		63				
<b>County:</b>		UNION				

**AST UST Discharges**

<b>Dep Co:</b>	P	<b>Long SS:</b>	18
<b>CU Req:</b>	R	<b>CU Stat:</b>	
<b>Score:</b>	00061	<b>Stat Desc:</b>	RA ONGOING
<b>Descrip:</b>	CLEANUP REQUIRED	<b>Fac Name:</b>	UNION COUNTY PROPERTY
<b>Discharge Date:</b>	01-AUG-91	<b>Fac Type:</b>	C
<b>Score Date:</b>	22-JUN-2011	<b>Type Desc:</b>	Fuel user/Non-retail
<b>Stat Date:</b>	28-AUG-1998	<b>Fac Addr:</b>	115 W MAIN ST
<b>LL Meth:</b>	UNVR	<b>Fac City:</b>	LAKE BUTLER
<b>Lat DD:</b>	30	<b>Fac Zip:</b>	32054
<b>Lat MM:</b>	1	<b>County:</b>	63
<b>Lat SS:</b>	23	<b>Fac State:</b>	CLOSED
<b>Long DD:</b>	82	<b>Fac Phone:</b>	
<b>Long MM:</b>	20		
<b>Prg Desc:</b>	ABANDONED TANK RESTORATION PROGRAM		

**Eligible Discharges**

<b>Program:</b>	ATRP
<b>Current Status:</b>	ACTIVE
<b>Discharge Date:</b>	08/01/1991
<b>Score:</b>	61
<b>Facility:</b>	UNION COUNTY PROPERTY
<b>Address:</b>	115 W MAIN ST
<b>City:</b>	LAKE BUTLER
<b>Zip:</b>	32054
<b>County:</b>	UNION
<b>Owner:</b>	
<b>Owner Address:</b>	
<b>Owner City:</b>	
<b>Owner State:</b>	
<b>Owner Zip:</b>	
<b>Owner Phone:</b>	
<b>Owner Email:</b>	

<u>6</u>	2 of 6	N	0.07 / 377.52	141.41 / 5	UNION CO. PROPERTY 115 W MAIN ST LAKE BUTLER FL 32054	WELL SURVEILLANCE
<b>Facility ID:</b>	8517147	<b>County:</b>	UNION	<b>Longitude:</b>	-82.339361	
<b>Project ID:</b>	SUPER	<b>Latitude:</b>	30.02324	<b>GPS Date:</b>	5/1/2005 0:00:00	
<b>Req No:</b>		<b>Datum:</b>	WS1984	<b>Software:</b>		
<b>Loc ID:</b>	209809	<b>Streetside:</b>		<b>Agency:</b>		
<b>GPS ID:</b>	209809					
<b>Type:</b>	PETROLEUM					
<b>Insp CHD:</b>	ALACHUA					
<b>HAE:</b>	38.88					
<b>Loc Method:</b>	DGPS - Differentially Corrected GPS					
<b>Insp F Name:</b>	PAUL					
<b>Insp L Name:</b>	WASHINGTON					
<b>Comment:</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">6</a>	3 of 6	N	0.07 / 377.52	141.41 / 5	UNION COUNTY PROPERTY 115 W MAIN ST LAKE BUTLER FL 32054	DWM CONTAM

<b>Facility ID:</b>	8517147	<b>Contact:</b>	
<b>Site ID:</b>	8517147	<b>Phone:</b>	
<b>Program Area:</b>		<b>Method:</b>	
<b>Facility Type:</b>		<b>Datum:</b>	
<b>Fac Type:</b>		<b>Related Party ID:</b>	
<b>County ID:</b>	63	<b>Primary RP Role:</b>	
<b>Ftc1 Fac Type ID:</b>	C	<b>RP Begin Date:</b>	
<b>Stcm Facility Type:</b>	C	<b>RP Address1:</b>	
<b>District:</b>	NED	<b>RP Address2:</b>	
<b>Site Status:</b>		<b>RP City:</b>	
<b>Section:</b>	30	<b>RP State:</b>	
<b>Township:</b>	05S	<b>RP Zip5:</b>	
<b>County:</b>	Union	<b>RP Zip4:</b>	
<b>Range:</b>	20E	<b>RP Phone:</b>	
<b>Rank:</b>		<b>RP Extension:</b>	
<b>Operator:</b>		<b>RP Bad Addr Ind:</b>	
<b>Name Changed:</b>		<b>RP Name:</b>	
<b>Addr Changed:</b>			
<b>Facility Name:</b>	UNION COUNTY PROPERTY		
<b>Description:</b>	Fuel user/Non-retail		

#### Program Details

<b>Facility Status:</b>		<b>Staff Assigned:</b>	
<b>Offsite Contam:</b>		<b>Priority:</b>	
<b>Priority Score:</b>	61	<b>Score Effective Dt:</b>	
<b>Project Coordinato:</b>		<b>Score When Ranked:</b>	
<b>Program Eligible:</b>		<b>District:</b>	
<b>Ineligible:</b>		<b>Datum:</b>	0
<b>Program Area:</b>	PETROLEUM	<b>Method:</b>	UNVR
<b>Site Manager:</b>	CULLINAN_J	<b>Lat DD:</b>	30
<b>Discharge Date:</b>	8/1/1991	<b>Lat MM:</b>	1
<b>Discharge Eligibil:</b>	E	<b>Lat SS:</b>	23
<b>Eligibility Progm:</b>	ATRP	<b>Long DD:</b>	82
<b>Cleanup Status:</b>	OPEN-STCM	<b>Long MM:</b>	20
<b>Closure Type:</b>		<b>Long SS:</b>	18
<b>Closure Date:</b>			

<a href="#">6</a>	4 of 6	N	0.07 / 377.52	141.41 / 5	UNION COUNTY PROPERTY 115 W MAIN ST LAKE BUTLER FL 32054	UST
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<b>Facility ID:</b>	8517147	<b>County:</b>	UNION
<b>Facility Status:</b>	CLOSED	<b>Lat/Long Method:</b>	UNVR
<b>Facility Type:</b>	C	<b>Lat DD:</b>	30
<b>Type Desc:</b>	Fuel user/Non-retail	<b>Lat MM:</b>	1
<b>Facility Phone:</b>		<b>Lat SS:</b>	23
<b>Dep Co:</b>	P	<b>Long DD:</b>	82
<b>Owner ID:</b>		<b>Long MM:</b>	20
<b>Owner Phone:</b>		<b>Long SS:</b>	18
<b>Owner:</b>			
<b>Owner Address1:</b>			
<b>Owner Address2:</b>			
<b>Owner City:</b>			
<b>Owner State:</b>			
<b>Owner Zip 5:</b>			
<b>Contact:</b>			
<b>Source:</b>	Tank Facility - All Locations and Tank Information		
<b>Oculus Docs Inventory URL:</b>	<a href="https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8517147&amp;CAT=11">https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8517147&amp;CAT=11</a>		
<b>Information Portal Fac URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8517147">http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8517147</a>		
<b>Information Portal Doc URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517147/facility!search">http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517147/facility!search</a>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Tank Information**

<b>Tank ID:</b>	3	<b>Capacity:</b>	8000
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	31-OCT-1989	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>		<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	2	<b>Capacity:</b>	4000
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	31-OCT-1989	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>		<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	4	<b>Capacity:</b>	888
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	D - Vehicular Diesel
<b>Status Date:</b>	31-OCT-1989	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>		<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	1	<b>Capacity:</b>	4000
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	31-OCT-1989	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>		<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

<u>6</u>	5 of 6	N	0.07 / 377.52	141.41 / 5	UNION COUNTY PROPERTY 115 W MAIN ST LAKE BUTLER FL 32054	STCS
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<b>Facility ID:</b>	8517147	<b>Zip5 (Open Data):</b>	32054
<b>Type:</b>	C - Fuel User/Non-Retail	<b>CountyID(OpenData):</b>	63
<b>Status:</b>	Closed	<b>County (Open Data):</b>	UNION
<b>County:</b>	UNION	<b>Contam (Map):</b>	YES
<b>Fac Stat(OpenData):</b>	CLOSED	<b>Fac Type (Map):</b>	Fuel user/Non-retail
<b>Fac Code(OpenData):</b>	C	<b>Fac Stat (Map):</b>	CLOSED
<b>Fac Type(OpenData):</b>	Fuel user/Non-retail	<b>Status (Map):</b>	REVIEWED
<b>Clnup Cd(OpenData):</b>	ONGO	<b>City (Map):</b>	LAKE BUTLER
<b>Clnup Dt(OpenData):</b>	2001/09/19	<b>County (Map):</b>	63
<b>Status (Open Data):</b>	REVIEWED	<b>Zip5 (Map):</b>	32054
<b>City (Open Data):</b>	LAKE BUTLER	<b>Zip4 (Map):</b>	8316
<b>Fac Name(Open Data):</b>	UNION COUNTY PROPERTY		
<b>Address (Open Data):</b>	115 W MAIN ST		
<b>Fac Cleanup Stat(Open Data):</b>	ONGOING		
<b>Name (Map):</b>	UNION COUNTY PROPERTY		
<b>Address (Map):</b>	115 W MAIN ST		

**FDEP Storage Tank Monitoring Open Data Details**

<b>Object ID:</b>	8853	<b>Map Src:</b>	1999 doqs
<b>X:</b>	-82.3391550000017	<b>Map Scale:</b>	1462
<b>Y:</b>	30.023246750821	<b>Elevation:</b>	
<b>Regulated:</b>	NO	<b>El Datum:</b>	
<b>Col Meth:</b>	DGPS	<b>El Resolut:</b>	
<b>Col Name:</b>	CALTA_H	<b>El Units:</b>	
<b>Col Date:</b>	28-Jan-2004	<b>ALB East:</b>	559985.54

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>ALB North:</b>	669538.89	
<b>Ver Meth:</b>	DPHO			<b>Loc ID:</b>	11696	
<b>Ver Name:</b>	CALTA_H			<b>Lat DD:</b>	30	
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>Lat MM:</b>	1	
<b>Ver Date:</b>	28-Jan-2004			<b>Lat SS:</b>		
<b>OOIC:</b>	FACILITY			<b>Long DD:</b>	82	
<b>Rel Feat:</b>	EXACT			<b>Long MM:</b>	20	
<b>Datum:</b>	WGS84			<b>Long SS:</b>		
<b>Coord Acc:</b>	3					
<b>Col Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Ver Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Direct:</b>						
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517147/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517147/gis-facility!search</a>					

#### FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

<b>Loc ID:</b>	11696	<b>Rel Feat:</b>	EXACT
<b>Site Type:</b>	Fuel user/Non-retail	<b>EI Datum:</b>	
<b>Contam Ind:</b>		<b>EI Resolut:</b>	
<b>Phone:</b>		<b>EI Units:</b>	
<b>Operator:</b>		<b>Map Src:</b>	1999 doqs
<b>Next action:</b>		<b>Map Scale:</b>	1462
<b>Fin Respon:</b>		<b>Coord Acc:</b>	3
<b>Office:</b>	NED	<b>Alb East:</b>	559985.54
<b>OOIC:</b>	FACILITY	<b>Alb North:</b>	669538.89
<b>Col Meth:</b>	DGPS	<b>Datum:</b>	WGS84
<b>Col Name:</b>	CALTA_H	<b>Elevation:</b>	
<b>Col Date:</b>	1/28/2004	<b>Lat DD:</b>	30
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Meth:</b>	DPHO	<b>Lat SS:</b>	
<b>Ver Name:</b>	CALTA_H	<b>Long DD:</b>	82
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Long MM:</b>	20
<b>Ver Date:</b>	1/28/2004	<b>Long SS:</b>	
<b>Object ID:</b>	11696		
<b>Col Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Ver Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517147/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517147/gis-facility!search</a>		

#### FDEP - Storage Tank Contamination Monitoring (STCM) Details

<b>Name:</b>	Union County Property 115 W Main St Lake Butler, FL 32054- 8316
<b>LL Method:</b>	DGPS - Unverified
<b>Account Owner:</b>	
<b>Contact:</b>	
<b>Phone:</b>	
<b>District:</b>	NED
<b>County 1:</b>	63 - Union
<b>Latitude:</b>	30:01:23.6883
<b>Longitude:</b>	82:20:20.9580

#### FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

<b>Tank No:</b>	3
<b>Size:</b>	8000
<b>Content:</b>	Leaded Gas
<b>Installed:</b>	
<b>Placement:</b>	UNDER
<b>Status:</b>	Removed from Site
<b>Construction:</b>	
<b>Piping:</b>	
<b>Monitoring:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 1  
 Size: 4000  
 Content: Unleaded Gas  
 Installed:  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 4  
 Size: 888  
 Content: Vehicular Diesel  
 Installed:  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 2  
 Size: 4000  
 Content: Unleaded Gas  
 Installed:  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

<a href="#">6</a>	6 of 6	N	0.07 / 377.52	141.41 / 5	BIELLINGS STATION HWY 238 LAKE BUTLER FL 32054	STCS
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Facility ID:	8517148	Zip5 (Open Data):	32054
Type:	A - Retail Station	CountyID(OpenData):	63
Status:	Closed	County (Open Data):	UNION
County:	UNION	Contam (Map):	
Fac Stat(OpenData):	CLOSED	Fac Type (Map):	Retail Station
Fac Code(OpenData):	A	Fac Stat (Map):	CLOSED
Fac Type(OpenData):	Retail Station	Status (Map):	REVIEWED
Clnup Cd(OpenData):		City (Map):	LAKE BUTLER
Clnup Dt(OpenData):		County (Map):	63
Status (Open Data):	REVIEWED	Zip5 (Map):	32054
City (Open Data):	LAKE BUTLER	Zip4 (Map):	9645
Fac Name(Open Data):	BIELLINGS STATION		
Address (Open Data):	HWY 238		
Fac Cleanup Stat(Open Data):			
Name (Map):	BIELLINGS STATION		
Address (Map):	HWY 238		

**FDEP Storage Tank Monitoring Open Data Details**

Object ID:	8854	Map Src:	1999 doqs
X:	-82.3391757500016	Map Scale:	2034
Y:	30.0232470000031	Elevation:	
Regulated:	NO	EI Datum:	
Col Meth:	DPHO	EI Resolut:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Col Name:</b>	BAIN_W			<b>EI Units:</b>		
<b>Col Date:</b>	11-May-2006			<b>ALB East:</b>	559983.79	
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>ALB North:</b>	669539.13	
<b>Ver Meth:</b>	DPHO			<b>Loc ID:</b>	11695	
<b>Ver Name:</b>	BAIN_W			<b>Lat DD:</b>	30	
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>Lat MM:</b>	1	
<b>Ver Date:</b>	11-May-2006			<b>Lat SS:</b>		
<b>OOIC:</b>	FACILITY			<b>Long DD:</b>	82	
<b>Rel Feat:</b>	VICIN			<b>Long MM:</b>	20	
<b>Datum:</b>	HARN			<b>Long SS:</b>		
<b>Coord Acc:</b>	4					
<b>Col Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Ver Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Direct:</b>						
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517148/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517148/gis-facility!search</a>					

#### FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

<b>Loc ID:</b>	11695			<b>Rel Feat:</b>	VICIN	
<b>Site Type:</b>	Retail Station			<b>EI Datum:</b>		
<b>Contam Ind:</b>				<b>EI Resolut:</b>		
<b>Phone:</b>	9047550248			<b>EI Units:</b>		
<b>Operator:</b>	BIELLINGS TIRE,INC.			<b>Map Src:</b>	1999 doqs	
<b>Next action:</b>				<b>Map Scale:</b>	2034	
<b>Fin Respon:</b>				<b>Coord Acc:</b>	4	
<b>Office:</b>	NED			<b>Alb East:</b>	559983.79	
<b>OOIC:</b>	FACILITY			<b>Alb North:</b>	669539.13	
<b>Col Meth:</b>	DPHO			<b>Datum:</b>	HARN	
<b>Col Name:</b>	BAIN_W			<b>Elevation:</b>		
<b>Col Date:</b>	5/11/2006			<b>Lat DD:</b>	30	
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>Lat MM:</b>	1	
<b>Ver Meth:</b>	DPHO			<b>Lat SS:</b>		
<b>Ver Name:</b>	BAIN_W			<b>Long DD:</b>	82	
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>Long MM:</b>	20	
<b>Ver Date:</b>	5/11/2006			<b>Long SS:</b>		
<b>Object ID:</b>	11695					
<b>Col Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Ver Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517148/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517148/gis-facility!search</a>					

#### FDEP - Storage Tank Contamination Monitoring (STCM) Details

<b>Name:</b>	Biellings Station Hwy 238 Lake Butler, FL 32054- 9645
<b>LL Method:</b>	DPHO - Unverified
<b>Account Owner:</b>	Biellings Tire Inc
<b>Contact:</b>	Biellings Tire,Inc.
<b>Phone:</b>	904-755-0248
<b>District:</b>	NED
<b>County 1:</b>	63 - Union
<b>Latitude:</b>	30:01:23.6892
<b>Longitude:</b>	82:20:21.0327

#### FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

<b>Tank No:</b>	2
<b>Size:</b>	1000
<b>Content:</b>	Unleaded Gas
<b>Installed:</b>	07/01/1976
<b>Placement:</b>	UNDER
<b>Status:</b>	Removed from Site
<b>Construction:</b>	
<b>Piping:</b>	
<b>Monitoring:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 1  
**Size:** 2000  
**Content:** Unleaded Gas  
**Installed:** 07/01/1976  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 3  
**Size:** 3000  
**Content:** Leaded Gas  
**Installed:** 07/01/1976  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

<a href="#">7</a>	1 of 4	WNW	0.08 / 404.50	143.86 / 8	UNION BEVERAGE 260 W MAIN ST LAKE BUTLER FL 32054	UST
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<b>Facility ID:</b>	8517149	<b>County:</b>	UNION
<b>Facility Status:</b>	OPEN	<b>Lat/Long Method:</b>	AGPS
<b>Facility Type:</b>	A	<b>Lat DD:</b>	30
<b>Type Desc:</b>	Retail Station	<b>Lat MM:</b>	1
<b>Facility Phone:</b>	3864961601	<b>Lat SS:</b>	17
<b>Dep Co:</b>	C	<b>Long DD:</b>	82
<b>Owner ID:</b>	80481	<b>Long MM:</b>	20
<b>Owner Phone:</b>	3864961601	<b>Long SS:</b>	27
<b>Owner:</b>	NITNIL INVESTMENTS LLC		
<b>Owner Address1:</b>	260 W MAIN ST		
<b>Owner Address2:</b>			
<b>Owner City:</b>	LAKE BUTLER		
<b>Owner State:</b>	FL		
<b>Owner Zip 5:</b>	32054		
<b>Contact:</b>	JULIN PATEL		
<b>Source:</b>	Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information		
<b>Oculus Docs Inventory URL:</b>	<a href="https://erissservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8517149&amp;CAT=11">https://erissservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8517149&amp;CAT=11</a>		
<b>Information Portal Fac URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8517149">http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8517149</a>		
<b>Information Portal Doc URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517149/facility!search">http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517149/facility!search</a>		

**Tank Information**

<b>Tank ID:</b>	5	<b>Capacity:</b>	4000
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	M - Fuel Oil - Onsite Heat
<b>Status Date:</b>	21-MAR-2005	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1969	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	6	<b>Capacity:</b>	22000
<b>Tank Status:</b>	U - IN SERVICE	<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	01-MAR-2005	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-MAR-2005	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>	Double Walled		

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
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**Piping**

**Pipe Description:** C-Fiberglass  
**Pipe Description:** K-Dispenser liners  
**Pipe Description:** F-Double wall  
**Pipe Description:** J-Pressurized piping system

**Monitoring**

**Monitoring Desc:** F-Monitor dbl wall tank space  
**Monitoring Desc:** H-Mechanical line leak detector  
**Monitoring Desc:** 1-Continuous electronic sensing  
**Monitoring Desc:** K-Monitor dbl wall pipe space  
**Monitoring Desc:** 4-Visual inspect dispenser liners  
**Monitoring Desc:** L-Automatic tank gauging - USTs  
**Monitoring Desc:** 3-Electronic monitor pipe sumps

**Tank Construction**

**Cons Code:** M  
**Cons Desc:** Spill containment bucket  
**Cons Code:** A  
**Cons Desc:** Ball check valve  
**Cons Code:** P  
**Cons Desc:** Level gauges/alarms  
**Cons Code:** I  
**Cons Desc:** Double wall  
**Cons Code:** F  
**Cons Desc:** Fiberglass clad steel  
**Cons Code:** L  
**Cons Desc:** Compartmented  
**Cons Code:** C  
**Cons Desc:** Steel  
**Cons Code:** O  
**Cons Desc:** Tight fill

**Tank Information**

<b>Tank ID:</b>	3	<b>Capacity:</b>	4000
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	01-JUN-2004	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-DEC-1969	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Tank ID:</b>	4				<b>Capacity:</b>	4000
<b>Tank Status:</b>	B - REMOVED FROM SITE				<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	01-JUN-2004				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-DEC-1969				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

**Tank Information**

<b>Tank ID:</b>	1				<b>Capacity:</b>	4000
<b>Tank Status:</b>	B - REMOVED FROM SITE				<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	01-JUN-2004				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-DEC-1969				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

**Tank Information**

<b>Tank ID:</b>	2				<b>Capacity:</b>	4000
<b>Tank Status:</b>	B - REMOVED FROM SITE				<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	01-JUN-2004				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-DEC-1969				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

<b>7</b>	2 of 4	WNW	0.08 / 404.50	143.86 / 8	UNION BEVERAGE 260 W MAIN ST LAKE BUTLER FL 32054	LST
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<b>Facility ID:</b>	8517149	<b>Datum:</b>	0
<b>Facility Status:</b>	OPEN	<b>Lat DD:</b>	30
<b>Facility Type:</b>	A - Retail Station	<b>Lat MM:</b>	1
<b>Score:</b>	60	<b>Lat SS:</b>	21.6442
<b>Score Effective Date:</b>	01/05/2011	<b>Long DD:</b>	82
<b>Score when Ranked:</b>	36	<b>Long MM:</b>	20
<b>Rank:</b>	4370	<b>Long SS:</b>	25.9759
<b>Operator:</b>	JULIN PATEL	<b>Facility T (Map):</b>	Retail Station
<b>Prim Related Party:</b>	80481	<b>Facility S (Map):</b>	OPEN
<b>Primary RP Role:</b>	ACCOUNT OWNER	<b>County (Map):</b>	UNION
<b>RP Begin Date:</b>	06/25/2020	<b>Collection (Map):</b>	DPHO
<b>Phone:</b>	(386)496-1601	<b>Collector (Map):</b>	CALTA_H
<b>Name Changed:</b>	06/25/2020	<b>Collecti 1 (Map):</b>	9/19/2003
<b>Address Changed:</b>	03/21/2005	<b>Datum (Map):</b>	HARN
<b>Section:</b>		<b>Rel Feat (Map):</b>	EXACT
<b>Township:</b>		<b>Geometry (Map):</b>	
<b>Range:</b>		<b>Lat DD (Map):</b>	30
<b>District:</b>	NED	<b>Lat MM (Map):</b>	1
<b>County:</b>	UNION	<b>Lat SS (Map):</b>	
<b>County No:</b>	63	<b>Long DD (Map):</b>	82
<b>Feature:</b>		<b>Long MM (Map):</b>	20
<b>Method:</b>	AGPS	<b>Long SS (Map):</b>	
<b>RP Name:</b>	NITNIL INVESTMENTS LLC		
<b>RP Address1:</b>	260 W MAIN ST		
<b>RP Address2:</b>			
<b>RP City:</b>	LAKE BUTLER		
<b>RP State:</b>	FL		
<b>RP Zip5:</b>	32054		
<b>RP Zip4:</b>			
<b>Contact:</b>	JULIN PATEL		
<b>RP Phone:</b>	(386)496-1601		
<b>RP Phone Ext.:</b>			
<b>RP Bad Addr Ind:</b>	No		
<b>Facility Name (Map):</b>	UNION BEVERAGE		
<b>Address (Map):</b>	260 W MAIN ST		
<b>City (Map):</b>	LAKE BUTLER		
<b>Zip5 (Map):</b>	32054		
<b>Document L (Map):</b>	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517149/facility!search		
<b>Oculus Docs Inventory:</b>	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8517149&CAT=11		
<b>Information Portal Fac URL:</b>	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8517149		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Information Portal Doc URL:** <http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517149/facility!search>  
**Source:** DEP; Storage Tanks & Contamination Monitoring, Discharge Info.; FDEP Open Data, Petroleum Contamination Monitoring (PCTS) Discharges (Map)

**Discharge Cleanup Summary**

**Discharge Date:** 12/28/1983  
**Cleanup Required:** R - CLEANUP REQUIRED  
**Discharge Cleanup Status:** RA - RA ONGOING  
**Discharge Cleanup Stat Date:** 06/06/2003  
**Eligibility Indicator:** E - ELIGIBLE  
**Site Manager:** KASSEES\_A  
**Site Manager End Date:**  
**Tank Office:** PCLP1 - ALACHUA ENVIRONMENTAL PROTECTION DEPARTMENT

**Contaminated Media**

**Contaminated Drinking Wells:** 0  
**Contaminated Mntring Wells:** YES  
**Contaminated Soil:** YES  
**Contaminated Surface Water:** NO  
**Contaminated Ground Water:** YES  
**Pollutant:** Y - Unknown/Not Reported  
**Other Description:**  
**Gallons Discharged:**

**Petroleum Cleanup Program Eligibility**

**Cleanup Program:** E - EARLY DETECTION INCENTIVE  
**Eligibility Status:** INELIGIBLE

**Petroleum Cleanup Program Eligibility**

**Cleanup Program:** T - NON-PROGRAM/CONSENT ORDER  
**Eligibility Status:** NOT ELIGIBLE

**Task Info**

<b>SA Task ID:</b> 15352	<b>SR Soil Treatment:</b>
<b>SA Cleanup Resp:</b> RP - RESPONSIBLE PARTY	<b>SR Other Treatment:</b>
<b>SA Actual Cost:</b>	<b>SR Alt Proc Rec:</b>
<b>SA Complete Date:</b>	<b>RAP Task ID:</b> 15353
<b>SA Payment Date:</b>	<b>RAP Clean Resp ID:</b> RP - RESPONSIBLE PARTY
<b>SR Task ID:</b> 15351	<b>RAP Actual Cost:</b>
<b>SR Cleanup Resp:</b> RP - RESPONSIBLE PARTY	<b>RAP Complete Date:</b>
<b>SR Actual Cost:</b>	<b>RAP Payment Date:</b>
<b>SR Complete Date:</b>	<b>RAP Last Ord Appr:</b>
<b>SR Payment Date:</b>	<b>RA Task ID:</b> 15354
<b>SR Oral Date:</b>	<b>RA Cleanup Resp:</b> RP - RESPONSIBLE PARTY
<b>SR Written Date:</b>	<b>RA Yrs to Complete:</b>
<b>SR Soil Removal:</b>	<b>RA Actual Cost:</b>
<b>SR Free Prod Rmvl:</b>	<b>Tank Office:</b> PCTM4 - Team 4
<b>SR Soil Ton Remove:</b>	
<b>SR Fund Elig Type:</b> -	
<b>SA Fund Elig Type:</b> -	
<b>RAP Fund Elig Type:</b> -	
<b>RA Fund Elig Type:</b> -	
<b>SR Alternate Procedure Status:</b>	
<b>SR Alt Procedure Status Dt:</b>	
<b>SR Alt Procedure Comment:</b>	
<b>SRC Action Type:</b> -	
<b>SRC Submit Date:</b>	
<b>SRC Review Date:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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SRC Complete Status: -  
 SRC Comp Status Dt:  
 SRC Issue Date:  
 SRC Comments:

**Petroleum Cleanup Funding Cap Encumbrance to Date**

FCFS: \$0.00  
 LPSPASM: \$0.00  
 SPASM: \$0.00  
 NPDES: \$0.00  
 Utility 1 Time Payments: \$0.00  
 All Wo Ta Co Pos Encumbered: \$1,128,433.85  
 Wo Ta Co Pos Exclu from Cap: \$0.00  
 Ttl Amnt Encumbered to Date: \$1,128,433.85  
 Ttl Amnt Encumbered Towar: \$1,128,433.85

**Petroleum Cleanup PCT Facility Score**

Related Party ID: 80481  
 RP Contact: JULIN PATEL  
 Facility Cleanup Status: ONGO - ONGOING  
 Bad Address Indicator: N

**Contract**

Contractor: WSP USA ENVIRONMENT & INFRASTRUCTURE, INC.  
 Score: 60  
 Facility Name: UNION BEVERAGE  
 Address: 260 W MAIN ST  
 City: LAKE BUTLER  
 ZIP: 32054  
 District: NED  
 County ID: 63  
 County: UNION

**Discharge Info (Map)**

Discharge:	6189	Eligibility:	ELIGIBLE
Discharge 1:	28-Dec-1983	Eligibility 1:	NPCO
Discharge 2:	60	Report Pha:	RA
Discharge 3:	RA	Report Sub:	OM
General Cl:	WORK UNDERWAY	Report S 1:	21-Jun-2019
Disch Clea:	06-Jun-2003	Staff Assi:	KASSEES_A
Tank Offic:	ALACHUA ENVIRONMENTAL PROTECTION DEPARTMENT		

**Open Discharges**

Program: NPCO  
 Eligibility: APPROVED  
 Elig Letter Sent: 10/07/1987  
 Discharge Date: 12/28/1983  
 Score: 60  
 Facility: UNION BEVERAGE  
 Address: 260 W MAIN ST  
 City: LAKE BUTLER  
 State: FL  
 Zip: 32054  
 County ID: 63  
 County: UNION

**AST UST Discharges**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Dep Co:	P			Long SS:	27	
CU Req:	R			CU Stat:		
Score:	00060			Stat Desc:	RA ONGOING	
Descrip:	CLEANUP REQUIRED			Fac Name:	UNION BEVERAGE	
Discharge Date:	28-DEC-83			Fac Type:	A	
Score Date:	05-JAN-2011			Type Desc:	Retail Station	
Stat Date:	06-JUN-2003			Fac Addr:	260 W MAIN ST	
LL Meth:	AGPS			Fac City:	LAKE BUTLER	
Lat DD:	30			Fac Zip:	32054	
Lat MM:	1			County:	63	
Lat SS:	17			Fac State:	OPEN	
Long DD:	82			Fac Phone:	3864961601	
Long MM:	20					
Prg Desc:	NON-PROGRAM/CONSENT ORDER					

**Eligible Discharges**

Program:	NPCO
Current Status:	ACTIVE
Discharge Date:	12/28/1983
Score:	60
Facility:	UNION BEVERAGE
Address:	260 W MAIN ST
City:	LAKE BUTLER
Zip:	32054
County:	UNION
Owner:	NITNIL INVESTMENTS LLC
Owner Address:	260 W MAIN ST
Owner City:	LAKE BUTLER
Owner State:	FL
Owner Zip:	32054
Owner Phone:	(386)496-1601
Owner Email:	JULINPATEL10@YAHOO.COM

<u>7</u>	3 of 4	WNW	0.08 / 404.50	143.86 / 8	UNION BEVERAGE 260 W MAIN ST LAKE BUTLER FL 32054	DWM CONTAM
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Facility ID:	8517149	Contact:	
Site ID:	8517149	Phone:	
Program Area:		Method:	
Facility Type:		Datum:	
Fac Type:		Related Party ID:	
County ID:	63	Primary RP Role:	
Ftc1 Fac Type ID:	A	RP Begin Date:	
Stcm Facility Type:	A	RP Address1:	
District:	NED	RP Address2:	
Site Status:		RP City:	
Section:		RP State:	
Township:		RP Zip5:	
County:	Union	RP Zip4:	
Range:		RP Phone:	
Rank:		RP Extension:	
Operator:		RP Bad Addr Ind:	
Name Changed:		RP Name:	
Addr Changed:			
Facility Name:	UNION BEVERAGE		
Description:	Retail Station		

**Program Details**

Facility Status:		Staff Assigned:	
Offsite Contam:		Priority:	
Priority Score:	60	Score Effective Dt:	
Project Coordinato:		Score When Ranked:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Program Eligible:</b>				<b>District:</b>		
<b>Ineligible:</b>				<b>Datum:</b>		0
<b>Program Area:</b>		PETROLEUM	<b>Method:</b>		AGPS	
<b>Site Manager:</b>		KASSEES_A	<b>Lat DD:</b>		30	
<b>Discharge Date:</b>		12/28/1983	<b>Lat MM:</b>		1	
<b>Discharge Eligibil:</b>		E	<b>Lat SS:</b>		17	
<b>Eligibility Progm:</b>		NPCO	<b>Long DD:</b>		82	
<b>Cleanup Status:</b>		OPEN-STCM	<b>Long MM:</b>		20	
<b>Closure Type:</b>			<b>Long SS:</b>		27	
<b>Closure Date:</b>						

7      4 of 4      **WNW**      0.08 / 404.50      143.86 / 8      **UNION BEVERAGE  
260 W MAIN ST  
LAKE BUTLER FL 32054**      **STCS**

<b>Facility ID:</b>	8517149	<b>Zip5 (Open Data):</b>	32054
<b>Type:</b>	A - Retail Station	<b>CountyID(OpenData):</b>	63
<b>Status:</b>	Open	<b>County (Open Data):</b>	UNION
<b>County:</b>	UNION	<b>Contam (Map):</b>	YES
<b>Fac Stat(OpenData):</b>	OPEN	<b>Fac Type (Map):</b>	Retail Station
<b>Fac Code(OpenData):</b>	A	<b>Fac Stat (Map):</b>	OPEN
<b>Fac Type(OpenData):</b>	Retail Station	<b>Status (Map):</b>	REVIEWED
<b>Clnup Cd(OpenData):</b>	ONGO	<b>City (Map):</b>	LAKE BUTLER
<b>Clnup Dt(OpenData):</b>	2003/07/21	<b>County (Map):</b>	63
<b>Status (Open Data):</b>	REVIEWED	<b>Zip5 (Map):</b>	32054
<b>City (Open Data):</b>	LAKE BUTLER	<b>Zip4 (Map):</b>	0
<b>Fac Name(Open Data):</b>	UNION BEVERAGE		
<b>Address (Open Data):</b>	260 W MAIN ST		
<b>Fac Cleanup Stat(Open Data):</b>	ONGOING		
<b>Name (Map):</b>	UNION BEVERAGE		
<b>Address (Map):</b>	260 W MAIN ST		

#### FDEP Storage Tank Monitoring Open Data Details

<b>Object ID:</b>	8855	<b>Map Src:</b>	1994 doqs
<b>X:</b>	-82.3405488611126	<b>Map Scale:</b>	1517
<b>Y:</b>	30.0226789444476	<b>Elevation:</b>	
<b>Regulated:</b>	YES	<b>EI Datum:</b>	
<b>Col Meth:</b>	DPHO	<b>EI Resolut:</b>	
<b>Col Name:</b>	CALTA_H	<b>EI Units:</b>	
<b>Col Date:</b>	19-Sep-2003	<b>ALB East:</b>	559852.59
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>ALB North:</b>	669474.17
<b>Ver Meth:</b>	DPHO	<b>Loc ID:</b>	11694
<b>Ver Name:</b>	CALTA_H	<b>Lat DD:</b>	30
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Date:</b>	19-Sep-2003	<b>Lat SS:</b>	
<b>OOIC:</b>	FACILITY	<b>Long DD:</b>	82
<b>Rel Feat:</b>	EXACT	<b>Long MM:</b>	20
<b>Datum:</b>	HARN	<b>Long SS:</b>	
<b>Coord Acc:</b>	4		
<b>Col Aff:</b>	CONTRACTOR		
<b>Ver Aff:</b>	CONTRACTOR		
<b>Direct:</b>			
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517149/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517149/gis-facility!search</a>		

#### FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

<b>Loc ID:</b>	11694	<b>Rel Feat:</b>	EXACT
<b>Site Type:</b>	Retail Station	<b>EI Datum:</b>	
<b>Contam Ind:</b>		<b>EI Resolut:</b>	
<b>Phone:</b>	3864961601	<b>EI Units:</b>	
<b>Operator:</b>	JULIN PATEL	<b>Map Src:</b>	1994 doqs
<b>Next action:</b>	PLACARD 06-JUL-2023	<b>Map Scale:</b>	1517
<b>Fin Respon:</b>		<b>Coord Acc:</b>	4
<b>Office:</b>	NED	<b>Alb East:</b>	559852.59
<b>OOIC:</b>	FACILITY	<b>Alb North:</b>	669474.17

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Col Meth:</b>	DPHO			<b>Datum:</b>	HARN	
<b>Col Name:</b>	CALTA_H			<b>Elevation:</b>		
<b>Col Date:</b>	9/19/2003			<b>Lat DD:</b>	30	
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>Lat MM:</b>	1	
<b>Ver Meth:</b>	DPHO			<b>Lat SS:</b>		
<b>Ver Name:</b>	CALTA_H			<b>Long DD:</b>	82	
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>Long MM:</b>	20	
<b>Ver Date:</b>	9/19/2003			<b>Long SS:</b>		
<b>Object ID:</b>	11694					
<b>Col Aff:</b>	CONTRACTOR					
<b>Ver Aff:</b>	CONTRACTOR					
<b>Documents:</b>	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517149/gis-facility!search					

**FDEP - Storage Tank Contamination Monitoring (STCM) Details**

**Name:** Union Beverage  
260 W Main St  
Lake Butler, FL 32054  
**LL Method:** DPHO - Autonomous GPS  
**Account Owner:** Nitnil Investments Llc  
**Contact:** Julin Patel  
**Phone:** 386-496-1601  
**District:** NED  
**County 1:** 63 - Union  
**Latitude:** 30:01:21.6442  
**Longitude:** 82:20:25.9759

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 4  
**Size:** 4000  
**Content:** Unleaded Gas  
**Installed:** 12/01/1969  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 1  
**Size:** 4000  
**Content:** Unleaded Gas  
**Installed:** 12/01/1969  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 5  
**Size:** 4000  
**Content:** Fuel Oil - Onsite Heat  
**Installed:** 07/01/1969  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 6  
**Size:** 22000  
**Content:** Unleaded Gas  
**Installed:** 03/01/2005  
**Placement:** UNDER  
**Status:** In Service  
**Construction:** A - Ball Check Valve  
                   C - Steel  
                   F - Fiberglass Clad Steel  
                   I - Double Wall  
                   L - Compartmented  
                   M - Spill Containment Bucket  
                   O - Tight Fill  
**Piping:** P - Level Gauges/Alarms  
                   C - Fiberglass  
                   F - Double Wall  
                   J - Pressurized Piping System  
                   K - Dispenser Liners  
**Monitoring:** 1 - Continuous Electronic Sensing  
                   3 - Electronic Monitor Pipe Sumps  
                   4 - Visual Inspect Dispenser Liners  
                   F - Monitor Dbl Wall Tank Space  
                   H - Mechanical Line Leak Detector  
                   K - Monitor Dbl Wall Pipe Space  
                   L - Automatic Tank Gauging - Usts

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 2  
**Size:** 4000  
**Content:** Unleaded Gas  
**Installed:** 12/01/1969  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 3  
**Size:** 4000  
**Content:** Unleaded Gas  
**Installed:** 12/01/1969  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

[8](#)

1 of 1

WNW

0.08 /  
428.54

143.95 /  
8

Hungry Howies  
280 W Main ST  
LAKE BUTLER FL 32054

WELL SURVEILLANCE

<b>Facility ID:</b>	8517149	<b>County:</b>	UNION
<b>Project ID:</b>	SUPER	<b>Longitude:</b>	-82.340575
<b>Req No:</b>	200252	<b>Latitude:</b>	30.022672
<b>Loc ID:</b>	182007	<b>GPS Date:</b>	9/20/2018 0:00:00
<b>GPS ID:</b>	182007	<b>Datum:</b>	WS1984
<b>Type:</b>	PETROLEUM	<b>Software:</b>	Risk_Solo_v2
<b>Insp CHD:</b>	ALACHUA	<b>Streetside:</b>	
<b>HAE:</b>	30.55	<b>Agency:</b>	DOH
<b>Loc Method:</b>	DGPS - Differentially Corrected GPS		
<b>Insp F Name:</b>	Beth		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Insp L Name: Robertson  
 Comment:

<a href="#">9</a>	1 of 3	WNW	0.09 / 493.97	144.19 / 8	Lake Butler Gasoline Contamination SW 3 St. & Main St Lake Butler FL 32054	DWM CONTAM
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<b>Facility ID:</b>	121376	<b>Contact:</b>	
<b>Site ID:</b>	ERIC_3836	<b>Phone:</b>	
<b>Program Area:</b>		<b>Method:</b>	
<b>Facility Type:</b>		<b>Datum:</b>	
<b>Fac Type:</b>		<b>Related Party ID:</b>	
<b>County ID:</b>	63	<b>Primary RP Role:</b>	
<b>Ftc1 Fac Type ID:</b>		<b>RP Begin Date:</b>	
<b>Stcm Facility Type:</b>	FIESTA	<b>RP Address1:</b>	
<b>District:</b>	NED	<b>RP Address2:</b>	
<b>Site Status:</b>		<b>RP City:</b>	
<b>Section:</b>		<b>RP State:</b>	
<b>Township:</b>		<b>RP Zip5:</b>	
<b>County:</b>	Union	<b>RP Zip4:</b>	
<b>Range:</b>		<b>RP Phone:</b>	
<b>Rank:</b>		<b>RP Extension:</b>	
<b>Operator:</b>		<b>RP Bad Addr Ind:</b>	
<b>Name Changed:</b>		<b>RP Name:</b>	
<b>Addr Changed:</b>			
<b>Facility Name:</b>	Lake Butler Gasoline Contamination		
<b>Description:</b>			

**Program Details**

<b>Facility Status:</b>		<b>Staff Assigned:</b>	
<b>Offsite Contam:</b>		<b>Priority:</b>	
<b>Priority Score:</b>		<b>Score Effective Dt:</b>	
<b>Project Coordinato:</b>		<b>Score When Ranked:</b>	
<b>Program Eligible:</b>		<b>District:</b>	
<b>Ineligible:</b>		<b>Datum:</b>	NAD83
<b>Program Area:</b>	SIS	<b>Method:</b>	ADDM
<b>Site Manager:</b>		<b>Lat DD:</b>	30
<b>Discharge Date:</b>		<b>Lat MM:</b>	1
<b>Discharge Eligibil:</b>		<b>Lat SS:</b>	22.3724
<b>Eligibility Progm:</b>		<b>Long DD:</b>	82
<b>Cleanup Status:</b>	Closed-ERIC	<b>Long MM:</b>	20
<b>Closure Type:</b>		<b>Long SS:</b>	22.7239
<b>Closure Date:</b>			

**Program Details**

<b>Facility Status:</b>		<b>Staff Assigned:</b>	
<b>Offsite Contam:</b>		<b>Priority:</b>	
<b>Priority Score:</b>		<b>Score Effective Dt:</b>	
<b>Project Coordinato:</b>		<b>Score When Ranked:</b>	
<b>Program Eligible:</b>		<b>District:</b>	
<b>Ineligible:</b>		<b>Datum:</b>	NAD83
<b>Program Area:</b>	STATE	<b>Method:</b>	ADDM
<b>Site Manager:</b>		<b>Lat DD:</b>	30
<b>Discharge Date:</b>		<b>Lat MM:</b>	1
<b>Discharge Eligibil:</b>		<b>Lat SS:</b>	22.3724
<b>Eligibility Progm:</b>		<b>Long DD:</b>	82
<b>Cleanup Status:</b>	Closed-ERIC	<b>Long MM:</b>	20
<b>Closure Type:</b>		<b>Long SS:</b>	22.7239
<b>Closure Date:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">9</a>	2 of 3	WNW	0.09 / 493.97	144.19 / 8	Lake Butler Gasoline Contamination SW 3 St. & Main St Lake Butler FL 32054-0	CLEANUP DEP

<b>Source Database:</b>	ERIC	<b>Verifier Username:</b>	ERIC_HAZARD_INIT_LOAD
<b>Source Database ID:</b>	ERIC_3836	<b>Verif Status:</b>	REVIEWED
<b>RSC2 Remed Status:</b>	CLOSED	<b>Verifier Affiliatn:</b>	
<b>Collect Username:</b>	ERIC_HAZARD_INIT_LOAD	<b>Verification Date:</b>	2016/06/23
<b>Collect Date:</b>	2016/06/23	<b>Verif Coord Method:</b>	ADDM
<b>Collect Affiliatn:</b>		<b>DC4 Datum ID:</b>	NAD83
<b>OIC Object:</b>	FACIL	<b>Interpolat:</b>	0
<b>PC2 Proximity ID:</b>	APPRX	<b>Map Source:</b>	
<b>CALC Coord Acc:</b>	6	<b>Map Sour 1:</b>	0
<b>Coordinate Method:</b>	ADDM	<b>County:</b>	UNION
<b>Cc2 County:</b>	63	<b>Latitude D:</b>	30
<b>Oc3 Office:</b>	NED	<b>Latitude M:</b>	1
<b>Point Y:</b>	30.0228811752256	<b>Longitude D:</b>	82
<b>Point X:</b>	-82.339645552961	<b>Longitude M:</b>	20
<b>Geometry:</b>			

#### Details

<b>Object ID:</b>	8095
<b>CPAC Program Area ID:</b>	HW
<b>CLCC Cleanup Category Key:</b>	OTHCU
<b>DEP Cleanup Site Key:</b>	76840962
<b>Data Load Date:</b>	23-Aug-2023
<b>Comments:</b>	Alternate ID: 000000063
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_3836/facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_3836/facility!search</a>

<a href="#">9</a>	3 of 3	WNW	0.09 / 493.97	144.19 / 8	Lake Butler Gasoline Contamination SW 3 St. & Main St Lake Butler FL 32054	ERIC
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<b>Eric ID:</b>	ERIC_3836	<b>Offste Contami Key:</b>	CONTAMUNKNOWN
<b>Site Status:</b>	CLOSED	<b>Se Anno Cad Data:</b>	
<b>Source Facility ID:</b>	121376	<b>State:</b>	FL
<b>District:</b>	NED	<b>County Name:</b>	Union
<b>WMD:</b>	SRWMD	<b>County ID:</b>	63
<b>ICR Indicator:</b>	NO	<b>X:</b>	-82.339645552961
<b>Discharge Date:</b>		<b>Y:</b>	30.0228811752256
<b>Method ID:</b>	ADDM	<b>Lat DD:</b>	30
<b>Object of Interest:</b>	FACIL	<b>Lat MM:</b>	1
<b>Proximit to Object:</b>	APPRX	<b>Lat SS:</b>	
<b>Collector Username:</b>	ERIC_HAZARD_INIT_LOAD	<b>Long DD:</b>	82
<b>Collect Date:</b>	6/23/2016	<b>Long MM:</b>	20
<b>Map Source:</b>		<b>Long SS:</b>	
<b>Map Source Scale:</b>	0	<b>Gis Albx:</b>	559939.296994
<b>Intrpolation Scale:</b>	0	<b>Gis Alby:</b>	669497.789357
<b>Coord Accuracy ID:</b>	6	<b>Datum ID:</b>	NAD83
<b>Site Phase Dsc:</b>	Phase 5 - Cleanup Complete	<b>Geometry:</b>	
<b>Site Name:</b>	Lake Butler Gasoline Contamination		
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_3836/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_3836/gis-facility!search</a>		

#### Program Details

<b>Program:</b>	State Funded Cleanup Program
<b>Program Type:</b>	STATE
<b>Program Status:</b>	COMPLETE
<b>Site Manager:</b>	

#### Program Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Program:		Site Investigation Section				
Program Type:		SIS				
Program Status:		COMPLETE				
Site Manager:						

<a href="#">10</a>	1 of 2	W	0.10 / 544.60	135.55 / -1	FL DEPT OF TRANSPORTATION-RAIFORD YARD HWY 229 RAIFORD FL 32083	UST
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<b>Facility ID:</b>	8626006	<b>County:</b>	UNION
<b>Facility Status:</b>	CLOSED	<b>Lat/Long Method:</b>	UNVR
<b>Facility Type:</b>	C	<b>Lat DD:</b>	30
<b>Type Desc:</b>	Fuel user/Non-retail	<b>Lat MM:</b>	1
<b>Facility Phone:</b>	9047523320	<b>Lat SS:</b>	20
<b>Dep Co:</b>	P	<b>Long DD:</b>	82
<b>Owner ID:</b>	7311	<b>Long MM:</b>	20
<b>Owner Phone:</b>	3869617544	<b>Long SS:</b>	28
<b>Owner:</b>	FL DEPT OF TRANSPORTATION DIST 2		
<b>Owner Address1:</b>	1109 S MARION AVE		
<b>Owner Address2:</b>	ATTN: HWY PATROL STATION		
<b>Owner City:</b>	LAKE CITY		
<b>Owner State:</b>	FL		
<b>Owner Zip 5:</b>	32025		
<b>Contact:</b>	LINDSAY HUDSON		
<b>Source:</b>	Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information		
<b>Oculus Docs Inventory URL:</b>	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8626006&CAT=11		
<b>Information Portal Fac URL:</b>	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8626006		
<b>Information Portal Doc URL:</b>	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8626006/facility!search		

**Tank Information**

<b>Tank ID:</b>	2	<b>Capacity:</b>	1000
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	D - Vehicular Diesel
<b>Status Date:</b>	01-MAR-1994	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1969	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	1	<b>Capacity:</b>	560
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	D - Vehicular Diesel
<b>Status Date:</b>	30-JUN-1990	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1947	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	3	<b>Capacity:</b>	1000
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	01-MAR-1994	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1978	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

<a href="#">10</a>	2 of 2	W	0.10 / 544.60	135.55 / -1	FL DEPT OF TRANSPORTATION-RAIFORD YARD HWY 229 RAIFORD FL 32083	AST
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<b>Facility ID:</b>	8626006	<b>County:</b>	UNION
<b>Facility Status:</b>	CLOSED	<b>Lat/Long Method:</b>	UNVR
<b>Facility Type:</b>	C	<b>Lat DD:</b>	30
<b>Type Desc:</b>	Fuel user/Non-retail	<b>Lat MM:</b>	1
<b>Facility Phone:</b>	9047523320	<b>Lat SS:</b>	20

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Dep Co:</b>	P			<b>Long DD:</b>	82	
<b>Owner ID:</b>	7311			<b>Long MM:</b>	20	
<b>Owner Phone:</b>	3869617544			<b>Long SS:</b>	28	
<b>Owner:</b>	FL DEPT OF TRANSPORTATION DIST 2					
<b>Owner Address1:</b>	1109 S MARION AVE					
<b>Owner Address2:</b>	ATTN: HWY PATROL STATION					
<b>Owner City:</b>	LAKE CITY					
<b>Owner State:</b>	FL					
<b>Owner Zip 5:</b>	32025					
<b>Contact:</b>	LINDSAY HUDSON					
<b>Data Source:</b>	Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information					
<b>Oculus Docs Inventory URL:</b>	https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8626006&CAT=11					
<b>Information Portal Fac URL:</b>	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8626006					
<b>Information Portal Doc URL:</b>	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8626006/facility!search					

**Tank Information**

<b>Tank ID:</b>	4	<b>Tank Desc:</b>	
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Capacity:</b>	1000
<b>Status Date:</b>	01-SEP-1996	<b>Placement:</b>	ABOVEGROUND
<b>Installation Date:</b>	01-MAR-1994	<b>Tank Vessel Indic:</b>	TANK
<b>Content Desc:</b>	B - Unleaded Gas		

**Tank Information**

<b>Tank ID:</b>	5	<b>Tank Desc:</b>	
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Capacity:</b>	1000
<b>Status Date:</b>	01-SEP-1996	<b>Placement:</b>	ABOVEGROUND
<b>Installation Date:</b>	01-MAR-1994	<b>Tank Vessel Indic:</b>	TANK
<b>Content Desc:</b>	D - Vehicular Diesel		

11      1 of 5      **ENE**      **0.13 / 680.38**      **140.53 / 4**      **ARCHER SERVICE STATION**      **LST**  
**180 E MAIN ST**  
**LAKE BUTLER FL 32054-1726**

<b>Facility ID:</b>	8517153	<b>Datum:</b>	0
<b>Facility Status:</b>	CLOSED	<b>Lat DD:</b>	30
<b>Facility Type:</b>	A - Retail Station	<b>Lat MM:</b>	1
<b>Score:</b>	29	<b>Lat SS:</b>	23.0115
<b>Score Effective Date:</b>	04/26/2011	<b>Long DD:</b>	82
<b>Score when Ranked:</b>	56	<b>Long MM:</b>	20
<b>Rank:</b>	2322	<b>Long SS:</b>	13.0077
<b>Operator:</b>	ARCHER HAROLD G	<b>Facility T (Map):</b>	Retail Station
<b>Prim Related Party:</b>	967	<b>Facility S (Map):</b>	CLOSED
<b>Primary RP Role:</b>	ACCOUNT OWNER	<b>County (Map):</b>	UNION
<b>RP Begin Date:</b>	10/01/1987	<b>Collection (Map):</b>	DPHO
<b>Phone:</b>	(904)496-3413	<b>Collector (Map):</b>	bayevsky_a
<b>Name Changed:</b>		<b>Collecti 1 (Map):</b>	7/1/2015
<b>Address Changed:</b>	02/27/2001	<b>Datum (Map):</b>	NAD83
<b>Section:</b>		<b>Rel Feat (Map):</b>	EXACT
<b>Township:</b>		<b>Geometry (Map):</b>	
<b>Range:</b>		<b>Lat DD (Map):</b>	30
<b>District:</b>	NED	<b>Lat MM (Map):</b>	1
<b>County:</b>	UNION	<b>Lat SS (Map):</b>	
<b>County No:</b>	63	<b>Long DD (Map):</b>	82
<b>Feature:</b>		<b>Long MM (Map):</b>	20
<b>Method:</b>	UNVR	<b>Long SS (Map):</b>	
<b>RP Name:</b>	ARCHER, HAROLD G		
<b>RP Address1:</b>	180 E MAIN ST		
<b>RP Address2:</b>			
<b>RP City:</b>	LAKE BUTLER		
<b>RP State:</b>	FL		
<b>RP Zip5:</b>	32054		
<b>RP Zip4:</b>	111		
<b>Contact:</b>	HAROLD G ARCHER		
<b>RP Phone:</b>	(904)496-1362		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**RP Phone Ext.:**  
**RP Bad Addr Ind:** No  
**Facility Name (Map):** ARCHER SERVICE STATION  
**Address (Map):** 180 E MAIN ST  
**City (Map):** LAKE BUTLER  
**Zip5 (Map):** 32054  
**Document L (Map):** https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517153/facility!search  
**Oculus Docs Inventory:** https://erissservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8517153&CAT=11  
**Information Portal Fac URL:** http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8517153  
**Information Portal Doc URL:** http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517153/facility!search  
**Source:** DEP; Storage Tanks & Contamination Monitoring, Discharge Info.; FDEP Open Data, Petroleum Contamination Monitoring (PCTS) Discharges (Map)

**Discharge Cleanup Summary**

**Discharge Date:** 12/29/1988  
**Cleanup Required:** R - CLEANUP REQUIRED  
**Discharge Cleanup Status:** RA - RA ONGOING  
**Discharge Cleanup Stat Date:** 04/18/2005  
**Eligibility Indicator:** E - ELIGIBLE  
**Site Manager:** CORREIA\_CX\_1  
**Site Manager End Date:**  
**Tank Office:** PCTM5 - PETROLEUM CLEANUP TEAM 5

**Contaminated Media**

**Contaminated Drinking Wells:** 0  
**Contaminated Mntring Wells:** YES  
**Contaminated Soil:** NO  
**Contaminated Surface Water:** NO  
**Contaminated Ground Water:** NO  
**Pollutant:** D - Vehicular Diesel  
**Other Description:**  
**Gallons Discharged:**

**Petroleum Cleanup Program Eligibility**

**Cleanup Program:** E - EARLY DETECTION INCENTIVE  
**Eligibility Status:** ELIGIBLE

**Task Info**

<b>SA Task ID:</b> 15348	<b>SR Soil Treatment:</b>
<b>SA Cleanup Resp:</b> ST - STATE	<b>SR Other Treatment:</b>
<b>SA Actual Cost:</b>	<b>SR Alt Proc Rec:</b>
<b>SA Complete Date:</b>	<b>RAP Task ID:</b> 15349
<b>SA Payment Date:</b>	<b>RAP Clean Resp ID:</b> ST - STATE
<b>SR Task ID:</b> 15347	<b>RAP Actual Cost:</b>
<b>SR Cleanup Resp:</b> RP - RESPONSIBLE PARTY	<b>RAP Complete Date:</b> 10-19-2004
<b>SR Actual Cost:</b>	<b>RAP Payment Date:</b>
<b>SR Complete Date:</b>	<b>RAP Last Ord Appr:</b>
<b>SR Payment Date:</b>	<b>RA Task ID:</b> 15350
<b>SR Oral Date:</b>	<b>RA Cleanup Resp:</b> ST - STATE
<b>SR Written Date:</b>	<b>RA Yrs to Complete:</b>
<b>SR Soil Removal:</b>	<b>RA Actual Cost:</b>
<b>SR Free Prod Rmvl:</b>	<b>Tank Office:</b> PCTM6 - Team 6
<b>SR Soil Ton Remove:</b>	
<b>SR Fund Elig Type:</b> -	
<b>SA Fund Elig Type:</b> -	
<b>RAP Fund Elig Type:</b> -	
<b>RA Fund Elig Type:</b> -	
<b>SR Alternate Procedure Status:</b>	
<b>SR Alt Procedure Status Dt:</b>	
<b>SR Alt Procedure Comment:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**SRC Action Type:** -  
**SRC Submit Date:**  
**SRC Review Date:**  
**SRC Complete Status:** -  
**SRC Comp Status Dt:**  
**SRC Issue Date:**  
**SRC Comments:**

**Petroleum Cleanup Funding Cap Encumbrance to Date**

**FCFS:** \$0.00  
**LPSPASM:** \$0.00  
**SPASM:** \$56,820.96  
**NPDES:** \$0.00  
**Utility 1 Time Payments:** \$0.00  
**All Wo Ta Co Pos Encumbered:** \$1,357,082.83  
**Wo Ta Co Pos Exclu from Cap:** \$0.00  
**Ttl Amnt Encumbered to Date:** \$1,413,903.79  
**Ttl Amnt Encumbered Towar:** \$1,413,903.79

**Petroleum Cleanup PCT Facility Score**

**Related Party ID:** 967  
**RP Contact:** HAROLD G ARCHER  
**Facility Cleanup Status:** ONGO - ONGOING  
**Bad Address Indicator:** N

**Contract**

**Contractor:** AECOM TECHNICAL SERVICES, INC.  
**Score:** 29  
**Facility Name:** ARCHER SERVICE STATION  
**Address:** 180 E MAIN ST  
**City:** LAKE BUTLER  
**ZIP:** 32054  
**District:** NED  
**County ID:** 63  
**County:** UNION

**Discharge Info (Map)**

<b>Discharge:</b> 6188	<b>Eligibility:</b> ELIGIBLE
<b>Discharge 1:</b> 29-Dec-1988	<b>Eligibility 1:</b> EDI
<b>Discharge 2:</b> 29	<b>Report Pha:</b> RA
<b>Discharge 3:</b> RA	<b>Report Sub:</b> NAM
<b>General Cl:</b> WORK UNDERWAY	<b>Report S 1:</b> 28-Mar-2023
<b>Disch Clea:</b> 18-Apr-2005	<b>Staff Assi:</b> CORREIA_CX_1
<b>Tank Offic:</b> PETROLEUM CLEANUP TEAM 5	

**Open Discharges**

**Program:** EDI  
**Eligibility:** ELIGIBLE  
**Elig Letter Sent:** 09/05/1991  
**Discharge Date:** 12/29/1988  
**Score:** 29  
**Facility:** ARCHER SERVICE STATION  
**Address:** 180 E MAIN ST  
**City:** LAKE BUTLER  
**State:** FL  
**Zip:** 32054  
**County ID:** 63  
**County:** UNION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**AST UST Discharges**

<b>Dep Co:</b>	P	<b>Long SS:</b>	13
<b>CU Req:</b>	R	<b>CU Stat:</b>	
<b>Score:</b>	00029	<b>Stat Desc:</b>	RA ONGOING
<b>Descrip:</b>	CLEANUP REQUIRED	<b>Fac Name:</b>	ARCHER SERVICE STATION
<b>Discharge Date:</b>	29-DEC-88	<b>Fac Type:</b>	A
<b>Score Date:</b>	26-APR-2011	<b>Type Desc:</b>	Retail Station
<b>Stat Date:</b>	18-APR-2005	<b>Fac Addr:</b>	180 E MAIN ST
<b>LL Meth:</b>	UNVR	<b>Fac City:</b>	LAKE BUTLER
<b>Lat DD:</b>	30	<b>Fac Zip:</b>	32054
<b>Lat MM:</b>	1	<b>County:</b>	63
<b>Lat SS:</b>	23	<b>Fac State:</b>	CLOSED
<b>Long DD:</b>	82	<b>Fac Phone:</b>	9044963413
<b>Long MM:</b>	20		
<b>Prg Desc:</b>	EARLY DETECTION INCENTIVE		

**Eligible Discharges**

<b>Program:</b>	EDI
<b>Current Status:</b>	ACTIVE
<b>Discharge Date:</b>	12/29/1988
<b>Score:</b>	29
<b>Facility:</b>	ARCHER SERVICE STATION
<b>Address:</b>	180 E MAIN ST
<b>City:</b>	LAKE BUTLER
<b>Zip:</b>	32054
<b>County:</b>	UNION
<b>Owner:</b>	ARCHER, HAROLD G
<b>Owner Address:</b>	180 E MAIN ST
<b>Owner City:</b>	LAKE BUTLER
<b>Owner State:</b>	FL
<b>Owner Zip:</b>	32054
<b>Owner Phone:</b>	(904)496-1362
<b>Owner Email:</b>	

<a href="#">11</a>	2 of 5	<b>ENE</b>	<b>0.13 / 680.38</b>	<b>140.53 / 4</b>	<b>ARCHER SERVICE STATION 180 E MAIN ST LAKE BUTLER FL 32054</b>	<b>WELL SURVEILLANCE</b>
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<b>Facility ID:</b>	8517153	<b>County:</b>	UNION
<b>Project ID:</b>	SUPER	<b>Longitude:</b>	-82.336764
<b>Req No:</b>	43356	<b>Latitude:</b>	30.022765
<b>Loc ID:</b>	182013	<b>GPS Date:</b>	9/10/2007 0:00:00
<b>GPS ID:</b>	182013	<b>Datum:</b>	WS1984
<b>Type:</b>	PETROLEUM	<b>Software:</b>	Risk_Solo_v2
<b>Insp CHD:</b>	ALACHUA	<b>Streetside:</b>	
<b>HAE:</b>	54.7	<b>Agency:</b>	DOH
<b>Loc Method:</b>	DGPS - Differentially Corrected GPS		
<b>Insp F Name:</b>	RICH		
<b>Insp L Name:</b>	CARDELLINO		
<b>Comment:</b>			

<a href="#">11</a>	3 of 5	<b>ENE</b>	<b>0.13 / 680.38</b>	<b>140.53 / 4</b>	<b>ARCHER SERVICE STATION 180 E MAIN ST LAKE BUTLER FL 32054</b>	<b>DWM CONTAM</b>
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<b>Facility ID:</b>	8517153	<b>Contact:</b>	
<b>Site ID:</b>	8517153	<b>Phone:</b>	
<b>Program Area:</b>		<b>Method:</b>	
<b>Facility Type:</b>		<b>Datum:</b>	
<b>Fac Type:</b>		<b>Related Party ID:</b>	
<b>County ID:</b>	63	<b>Primary RP Role:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Ftc1 Fac Type ID:</b>	A				<b>RP Begin Date:</b>	
<b>Stcm Facility Type:</b>	A				<b>RP Address1:</b>	
<b>District:</b>	NED				<b>RP Address2:</b>	
<b>Site Status:</b>					<b>RP City:</b>	
<b>Section:</b>					<b>RP State:</b>	
<b>Township:</b>					<b>RP Zip5:</b>	
<b>County:</b>	Union				<b>RP Zip4:</b>	
<b>Range:</b>					<b>RP Phone:</b>	
<b>Rank:</b>					<b>RP Extension:</b>	
<b>Operator:</b>					<b>RP Bad Addr Ind:</b>	
<b>Name Changed:</b>					<b>RP Name:</b>	
<b>Addr Changed:</b>						
<b>Facility Name:</b>		ARCHER SERVICE STATION				
<b>Description:</b>		Retail Station				

**Program Details**

<b>Facility Status:</b>		<b>Staff Assigned:</b>	
<b>Offsite Contam:</b>		<b>Priority:</b>	
<b>Priority Score:</b>	29	<b>Score Effective Dt:</b>	
<b>Project Coordinato:</b>		<b>Score When Ranked:</b>	
<b>Program Eligible:</b>		<b>District:</b>	
<b>Ineligible:</b>		<b>Datum:</b>	0
<b>Program Area:</b>	PETROLEUM	<b>Method:</b>	UNVR
<b>Site Manager:</b>	CORREIA_CX_1	<b>Lat DD:</b>	30
<b>Discharge Date:</b>	12/29/1988	<b>Lat MM:</b>	1
<b>Discharge Eligibil:</b>	E	<b>Lat SS:</b>	23
<b>Eligibility Program:</b>	EDI	<b>Long DD:</b>	82
<b>Cleanup Status:</b>	OPEN-STCM	<b>Long MM:</b>	20
<b>Closure Type:</b>		<b>Long SS:</b>	13
<b>Closure Date:</b>			

[11](#) 4 of 5 **ENE** 0.13 / 680.38 140.53 / 4 **ARCHER SERVICE STATION** **180 E MAIN ST** **LAKE BUTLER FL 32054** **UST**

<b>Facility ID:</b>	8517153	<b>County:</b>	UNION
<b>Facility Status:</b>	CLOSED	<b>Lat/Long Method:</b>	UNVR
<b>Facility Type:</b>	A	<b>Lat DD:</b>	30
<b>Type Desc:</b>	Retail Station	<b>Lat MM:</b>	1
<b>Facility Phone:</b>	9044963413	<b>Lat SS:</b>	23
<b>Dep Co:</b>	P	<b>Long DD:</b>	82
<b>Owner ID:</b>	967	<b>Long MM:</b>	20
<b>Owner Phone:</b>	9044961362	<b>Long SS:</b>	13
<b>Owner:</b>	ARCHER, HAROLD G		
<b>Owner Address1:</b>	180 E MAIN ST		
<b>Owner Address2:</b>			
<b>Owner City:</b>	LAKE BUTLER		
<b>Owner State:</b>	FL		
<b>Owner Zip 5:</b>	32054		
<b>Contact:</b>	HAROLD G ARCHER		
<b>Source:</b>	Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information		
<b>Oculus Docs Inventory URL:</b>	https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8517153&CAT=11		
<b>Information Portal Fac URL:</b>	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8517153		
<b>Information Portal Doc URL:</b>	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517153/facility!search		

**Tank Information**

<b>Tank ID:</b>	11	<b>Capacity:</b>	3000
<b>Tank Status:</b>	A - CLOSED IN PLACE	<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	30-JUN-1987	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1970	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	9				<b>Capacity:</b>	4000
<b>Tank Status:</b>	A - CLOSED IN PLACE				<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>					<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1965				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

**Tank Information**

<b>Tank ID:</b>	8				<b>Capacity:</b>	4000
<b>Tank Status:</b>	A - CLOSED IN PLACE				<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	30-JUN-1987				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1965				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

**Tank Information**

<b>Tank ID:</b>	12				<b>Capacity:</b>	3000
<b>Tank Status:</b>	A - CLOSED IN PLACE				<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	30-JUN-1987				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1970				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

**Tank Information**

<b>Tank ID:</b>	6				<b>Capacity:</b>	4000
<b>Tank Status:</b>	A - CLOSED IN PLACE				<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	30-JUN-1987				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1965				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

**Tank Information**

<b>Tank ID:</b>	10				<b>Capacity:</b>	4000
<b>Tank Status:</b>	A - CLOSED IN PLACE				<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	30-JUN-1987				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1965				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

**Tank Information**

<b>Tank ID:</b>	13				<b>Capacity:</b>	1000
<b>Tank Status:</b>	A - CLOSED IN PLACE				<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	30-JUN-1987				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1970				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

**Tank Information**

<b>Tank ID:</b>	5				<b>Capacity:</b>	4000
<b>Tank Status:</b>	B - REMOVED FROM SITE				<b>Substance:</b>	K - Kerosene
<b>Status Date:</b>	31-AUG-1993				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1974				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

**Tank Information**

<b>Tank ID:</b>	1				<b>Capacity:</b>	4000
<b>Tank Status:</b>	A - CLOSED IN PLACE				<b>Substance:</b>	D - Vehicular Diesel
<b>Status Date:</b>	31-DEC-1988				<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1974				<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tank Desc:

**Tank Information**

<b>Tank ID:</b>	2	<b>Capacity:</b>	3000
<b>Tank Status:</b>	A - CLOSED IN PLACE	<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	31-AUG-1993	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1974	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	3	<b>Capacity:</b>	4000
<b>Tank Status:</b>	A - CLOSED IN PLACE	<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	31-AUG-1993	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1974	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	7	<b>Capacity:</b>	4000
<b>Tank Status:</b>	A - CLOSED IN PLACE	<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	30-JUN-1987	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1965	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	4	<b>Capacity:</b>	4000
<b>Tank Status:</b>	A - CLOSED IN PLACE	<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	31-AUG-1993	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1974	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

<a href="#">11</a>	5 of 5	<b>ENE</b>	<b>0.13 / 680.38</b>	<b>140.53 / 4</b>	<b>ARCHER SERVICE STATION 180 E MAIN ST LAKE BUTLER FL 32054</b>	<b>STCS</b>
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<b>Facility ID:</b>	8517153	<b>Zip5 (Open Data):</b>	32054
<b>Type:</b>	A - Retail Station	<b>CountyID(OpenData):</b>	63
<b>Status:</b>	Closed	<b>County (Open Data):</b>	UNION
<b>County:</b>	UNION	<b>Contam (Map):</b>	YES
<b>Fac Stat(OpenData):</b>	CLOSED	<b>Fac Type (Map):</b>	Retail Station
<b>Fac Code(OpenData):</b>	A	<b>Fac Stat (Map):</b>	CLOSED
<b>Fac Type(OpenData):</b>	Retail Station	<b>Status (Map):</b>	REVIEWED
<b>Clnup Cd(OpenData):</b>	ONGO	<b>City (Map):</b>	LAKE BUTLER
<b>Clnup Dt(OpenData):</b>	2002/02/03	<b>County (Map):</b>	63
<b>Status (Open Data):</b>	REVIEWED	<b>Zip5 (Map):</b>	32054
<b>City (Open Data):</b>	LAKE BUTLER	<b>Zip4 (Map):</b>	1726
<b>Fac Name(Open Data):</b>	ARCHER SERVICE STATION		
<b>Address (Open Data):</b>	180 E MAIN ST		
<b>Fac Cleanup Stat(Open Data):</b>	ONGOING		
<b>Name (Map):</b>	ARCHER SERVICE STATION		
<b>Address (Map):</b>	180 E MAIN ST		

**FDEP Storage Tank Monitoring Open Data Details**

<b>Object ID:</b>	8858	<b>Map Src:</b>	imagery_11_13
<b>X:</b>	-82.3369465833356	<b>Map Scale:</b>	500
<b>Y:</b>	30.0230587500032	<b>Elevation:</b>	
<b>Regulated:</b>	NO	<b>El Datum:</b>	
<b>Col Meth:</b>	DPHO	<b>El Resolut:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Col Name:</b>	bayevsky_a			<b>EI Units:</b>		
<b>Col Date:</b>	01-Jul-2015			<b>ALB East:</b>	560199.0	
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>ALB North:</b>	669521.0	
<b>Ver Meth:</b>	DPHO			<b>Loc ID:</b>	11691	
<b>Ver Name:</b>	bayevsky_a			<b>Lat DD:</b>	30	
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>Lat MM:</b>	1	
<b>Ver Date:</b>	01-Jul-2015			<b>Lat SS:</b>		
<b>OOIC:</b>	FACILITY			<b>Long DD:</b>	82	
<b>Rel Feat:</b>	EXACT			<b>Long MM:</b>	20	
<b>Datum:</b>	NAD83			<b>Long SS:</b>		
<b>Coord Acc:</b>	4					
<b>Col Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Ver Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Direct:</b>						
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517153/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517153/gis-facility!search</a>					

#### **FDEP Open Data - Storage Tank Contamination Monitoring (STCM)**

<b>Loc ID:</b>	11691	<b>Rel Feat:</b>	EXACT
<b>Site Type:</b>	Retail Station	<b>EI Datum:</b>	
<b>Contam Ind:</b>		<b>EI Resolut:</b>	
<b>Phone:</b>	9044963413	<b>EI Units:</b>	
<b>Operator:</b>	ARCHER HAROLD G	<b>Map Src:</b>	imagery_11_13
<b>Next action:</b>		<b>Map Scale:</b>	500
<b>Fin Respon:</b>		<b>Coord Acc:</b>	4
<b>Office:</b>	NED	<b>Alb East:</b>	560199.0
<b>OOIC:</b>	FACILITY	<b>Alb North:</b>	669521.0
<b>Col Meth:</b>	DPHO	<b>Datum:</b>	NAD83
<b>Col Name:</b>	bayevsky_a	<b>Elevation:</b>	
<b>Col Date:</b>	7/1/2015	<b>Lat DD:</b>	30
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Meth:</b>	DPHO	<b>Lat SS:</b>	
<b>Ver Name:</b>	bayevsky_a	<b>Long DD:</b>	82
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Long MM:</b>	20
<b>Ver Date:</b>	7/1/2015	<b>Long SS:</b>	
<b>Object ID:</b>	11691		
<b>Col Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Ver Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517153/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517153/gis-facility!search</a>		

#### **FDEP - Storage Tank Contamination Monitoring (STCM) Details**

<b>Name:</b>	Archer Service Station 180 E Main St Lake Butler, FL 32054- 1726
<b>LL Method:</b>	DPHO - Unverified
<b>Account Owner:</b>	Archer, Harold G
<b>Contact:</b>	Archer Harold G
<b>Phone:</b>	904-496-3413
<b>District:</b>	NED
<b>County 1:</b>	63 - Union
<b>Latitude:</b>	30:01:23.0115
<b>Longitude:</b>	82:20:13.0077

#### **FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

<b>Tank No:</b>	10
<b>Size:</b>	4000
<b>Content:</b>	Leaded Gas
<b>Installed:</b>	07/01/1965
<b>Placement:</b>	UNDER
<b>Status:</b>	Closed In Place
<b>Construction:</b>	
<b>Piping:</b>	
<b>Monitoring:</b>	

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 12  
**Size:** 3000  
**Content:** Leaded Gas  
**Installed:** 07/01/1970  
**Placement:** UNDER  
**Status:** Closed In Place  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 1  
**Size:** 4000  
**Content:** Vehicular Diesel  
**Installed:** 07/01/1974  
**Placement:** UNDER  
**Status:** Closed In Place  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 11  
**Size:** 3000  
**Content:** Leaded Gas  
**Installed:** 07/01/1970  
**Placement:** UNDER  
**Status:** Closed In Place  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 7  
**Size:** 4000  
**Content:** Leaded Gas  
**Installed:** 07/01/1965  
**Placement:** UNDER  
**Status:** Closed In Place  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 2  
**Size:** 3000  
**Content:** Unleaded Gas  
**Installed:** 07/01/1974  
**Placement:** UNDER  
**Status:** Closed In Place  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Tank No:** 6  
**Size:** 4000  
**Content:** Leaded Gas  
**Installed:** 07/01/1965  
**Placement:** UNDER  
**Status:** Closed In Place  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 5  
**Size:** 4000  
**Content:** Kerosene  
**Installed:** 07/01/1974  
**Placement:** UNDER  
**Status:** Removed from Site  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 8  
**Size:** 4000  
**Content:** Leaded Gas  
**Installed:** 07/01/1965  
**Placement:** UNDER  
**Status:** Closed In Place  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 13  
**Size:** 1000  
**Content:** Leaded Gas  
**Installed:** 07/01/1970  
**Placement:** UNDER  
**Status:** Closed In Place  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 3  
**Size:** 4000  
**Content:** Unleaded Gas  
**Installed:** 07/01/1974  
**Placement:** UNDER  
**Status:** Closed In Place  
**Construction:**  
**Piping:**  
**Monitoring:**

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 4  
**Size:** 4000  
**Content:** Unleaded Gas

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Installed:		07/01/1974				
Placement:		UNDER				
Status:		Closed In Place				
Construction:						
Piping:						
Monitoring:						

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 9  
**Size:** 4000  
**Content:** Leaded Gas  
**Installed:** 07/01/1965  
**Placement:** UNDER  
**Status:** Closed In Place  
**Construction:**  
**Piping:**  
**Monitoring:**

12	1 of 5	ENE	0.14 / 717.41	140.54 / 4	LAKE BUTLER CITY 125 E MAIN ST LAKE BUTLER FL 32054-1725	LST
<b>Facility ID:</b>	8519166			<b>Datum:</b>	0	
<b>Facility Status:</b>	CLOSED			<b>Lat DD:</b>	30	
<b>Facility Type:</b>	C - Fuel user/Non-retail			<b>Lat MM:</b>	1	
<b>Score:</b>				<b>Lat SS:</b>	24.0939	
<b>Score Effective Date:</b>				<b>Long DD:</b>	82	
<b>Score when Ranked:</b>				<b>Long MM:</b>	20	
<b>Rank:</b>				<b>Long SS:</b>	14.0374	
<b>Operator:</b>	JERRY L.HOWELL			<b>Facility T (Map):</b>	Fuel user/Non-retail	
<b>Prim Related Party:</b>	12343			<b>Facility S (Map):</b>	CLOSED	
<b>Primary RP Role:</b>	ACCOUNT OWNER			<b>County (Map):</b>	UNION	
<b>RP Begin Date:</b>	07/15/1985			<b>Collection (Map):</b>	DGPS	
<b>Phone:</b>	(904)496-3401			<b>Collector (Map):</b>	CALTA_H	
<b>Name Changed:</b>	03/19/1999			<b>Collecti 1 (Map):</b>	2/25/2004	
<b>Address Changed:</b>				<b>Datum (Map):</b>	WGS84	
<b>Section:</b>	030			<b>Rel Feat (Map):</b>	EXACT	
<b>Township:</b>	05S			<b>Geometry (Map):</b>		
<b>Range:</b>	20E			<b>Lat DD (Map):</b>	30	
<b>District:</b>	NED			<b>Lat MM (Map):</b>	1	
<b>County:</b>	UNION			<b>Lat SS (Map):</b>		
<b>County No:</b>	63			<b>Long DD (Map):</b>	82	
<b>Feature:</b>				<b>Long MM (Map):</b>	20	
<b>Method:</b>	UNVR			<b>Long SS (Map):</b>		
<b>RP Name:</b>	LAKE BUTLER CITY					
<b>RP Address1:</b>	200 SW 1ST ST					
<b>RP Address2:</b>						
<b>RP City:</b>	LAKE BUTLER					
<b>RP State:</b>	FL					
<b>RP Zip5:</b>	32054					
<b>RP Zip4:</b>	1725					
<b>Contact:</b>	HARDY CLYATT					
<b>RP Phone:</b>	(386)496-3203					
<b>RP Phone Ext.:</b>						
<b>RP Bad Addr Ind:</b>	No					
<b>Facility Name (Map):</b>	LAKE BUTLER CITY					
<b>Address (Map):</b>	125 E MAIN ST					
<b>City (Map):</b>	LAKE BUTLER					
<b>Zip5 (Map):</b>	32054					
<b>Document L (Map):</b>	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519166/facility!search					
<b>Oculus Docs Inventory:</b>	https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8519166&CAT=11					
<b>Information Portal Fac URL:</b>	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8519166					
<b>Information Portal Doc URL:</b>	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519166/facility!search					
<b>Source:</b>	DEP; Storage Tanks & Contamination Monitoring, Discharge Info.; FDEP Open Data, Petroleum Contamination Monitoring (PCTS) Discharges (Map)					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Discharge Cleanup Summary**

**Discharge Date:** 04/02/1992  
**Cleanup Required:** R - CLEANUP REQUIRED  
**Discharge Cleanup Status:** NFA - NFA COMPLETE  
**Discharge Cleanup Stat Date:** 07/01/1999  
**Eligibility Indicator:** I - INELIGIBLE  
**Site Manager:**  
**Site Manager End Date:**  
**Tank Office:** -

**Petroleum Cleanup Program Eligibility**

**Cleanup Program:** C - PETROLEUM CLEANUP PARTICIPATION PROGRAM  
**Eligibility Status:** NOT ELIGIBLE

**Task Info**

<b>SA Task ID:</b>	15307	<b>SR Soil Treatment:</b>	
<b>SA Cleanup Resp:</b>	RP - RESPONSIBLE PARTY	<b>SR Other Treatment:</b>	
<b>SA Actual Cost:</b>		<b>SR Alt Proc Rec:</b>	
<b>SA Complete Date:</b>	09-01-1993	<b>RAP Task ID:</b>	15308
<b>SA Payment Date:</b>		<b>RAP Clean Resp ID:</b>	RP - RESPONSIBLE PARTY
<b>SR Task ID:</b>	15306	<b>RAP Actual Cost:</b>	
<b>SR Cleanup Resp:</b>	-	<b>RAP Complete Date:</b>	
<b>SR Actual Cost:</b>		<b>RAP Payment Date:</b>	
<b>SR Complete Date:</b>		<b>RAP Last Ord Appr:</b>	5/16/1996
<b>SR Payment Date:</b>		<b>RA Task ID:</b>	15309
<b>SR Oral Date:</b>		<b>RA Cleanup Resp:</b>	-
<b>SR Written Date:</b>		<b>RA Yrs to Complete:</b>	0
<b>SR Soil Removal:</b>		<b>RA Actual Cost:</b>	
<b>SR Free Prod Rmvl:</b>		<b>Tank Office:</b>	-
<b>SR Soil Ton Remove:</b>			
<b>SR Fund Elig Type:</b>	-		
<b>SA Fund Elig Type:</b>	-		
<b>RAP Fund Elig Type:</b>	-		
<b>RA Fund Elig Type:</b>	-		
<b>SR Alternate Procedure Status:</b>			
<b>SR Alt Procedure Status Dt:</b>			
<b>SR Alt Procedure Comment:</b>			
<b>SRC Action Type:</b>	NFA - NO FURTHER ACTION		
<b>SRC Submit Date:</b>	01-Apr-1997 00:00:00		
<b>SRC Review Date:</b>	03-04-1998		
<b>SRC Complete Status:</b>	A - APPROVED		
<b>SRC Comp Status Dt:</b>	03-04-1998		
<b>SRC Issue Date:</b>	07-01-1999		
<b>SRC Comments:</b>			

**Petroleum Cleanup PCT Facility Score**

**Related Party ID:** 12343  
**RP Contact:** HARDY CLYATT  
**Facility Cleanup Status:** Cmpl - COMPLETED  
**Bad Address Indicator:** N

**Discharge Info (Map)**

<b>Discharge:</b>	6169	<b>Eligibility:</b>	INELIGIBLE
<b>Discharge 1:</b>	02-Apr-1992	<b>Eligibility 1:</b>	
<b>Discharge 2:</b>	0	<b>Report Pha:</b>	COMPLETED
<b>Discharge 3:</b>	NFA	<b>Report Sub:</b>	COMPLETED
<b>General Cl:</b>	CLOSURE	<b>Report S 1:</b>	01-Jul-1999
<b>Disch Clea:</b>	01-Jul-1999	<b>Staff Assi:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tank Offic:

**AST UST Discharges**

<b>Dep Co:</b>	P	<b>Long SS:</b>	50
<b>CU Req:</b>	R	<b>CU Stat:</b>	
<b>Score:</b>		<b>Stat Desc:</b>	NFA COMPLETE
<b>Descrip:</b>	CLEANUP REQUIRED	<b>Fac Name:</b>	LAKE BUTLER CITY
<b>Discharge Date:</b>	02-APR-92	<b>Fac Type:</b>	C
<b>Score Date:</b>		<b>Type Desc:</b>	Fuel user/Non-retail
<b>Stat Date:</b>	01-JUL-1999	<b>Fac Addr:</b>	125 E MAIN ST
<b>LL Meth:</b>	UNVR	<b>Fac City:</b>	LAKE BUTLER
<b>Lat DD:</b>	30	<b>Fac Zip:</b>	32054
<b>Lat MM:</b>	1	<b>County:</b>	63
<b>Lat SS:</b>	12	<b>Fac State:</b>	CLOSED
<b>Long DD:</b>	82	<b>Fac Phone:</b>	9044963401
<b>Long MM:</b>	15		
<b>Prg Desc:</b>			

**Ineligible Discharges**

**Discharge Date:** 04/02/1992  
**Score:**  
**Current Status:** CLOSED  
**Facility:** LAKE BUTLER CITY  
**Address:** 125 E MAIN ST  
**City:** LAKE BUTLER  
**Zip:** 32054  
**County:** UNION  
**Owner:** LAKE BUTLER CITY  
**Owner Address:** 200 SW 1ST ST  
**Ownercity:** LAKE BUTLER  
**Owner State:** FL  
**Owner Zip:** 32054  
**Owner Phone:** (386)496-3203  
**Owner Email:** AWATERS@CITYOFLAKEBUTLER.COM

<a href="#">12</a>	2 of 5	<b>ENE</b>	<b>0.14 / 717.41</b>	<b>140.54 / 4</b>	<b>LAKE BUTLER CITY 125 E MAIN ST LAKE BUTLER FL 32054</b>	<b>UST</b>
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<b>Facility ID:</b>	8519166	<b>County:</b>	UNION
<b>Facility Status:</b>	CLOSED	<b>Lat/Long Method:</b>	UNVR
<b>Facility Type:</b>	C	<b>Lat DD:</b>	30
<b>Type Desc:</b>	Fuel user/Non-retail	<b>Lat MM:</b>	1
<b>Facility Phone:</b>	9044963401	<b>Lat SS:</b>	12
<b>Dep Co:</b>	P	<b>Long DD:</b>	82
<b>Owner ID:</b>	12343	<b>Long MM:</b>	15
<b>Owner Phone:</b>	3864963203	<b>Long SS:</b>	50
<b>Owner:</b>	LAKE BUTLER CITY		
<b>Owner Address1:</b>	200 SW 1ST ST		
<b>Owner Address2:</b>			
<b>Owner City:</b>	LAKE BUTLER		
<b>Owner State:</b>	FL		
<b>Owner Zip 5:</b>	32054		
<b>Contact:</b>	HARDY CLYATT		
<b>Source:</b>	Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information		
<b>Oculus Docs Inventory URL:</b>	<a href="https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8519166&amp;CAT=11">https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8519166&amp;CAT=11</a>		
<b>Information Portal Fac URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8519166">http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8519166</a>		
<b>Information Portal Doc URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519166/facility!search">http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519166/facility!search</a>		

**Tank Information**

<b>Tank ID:</b>	1	<b>Capacity:</b>	4000
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	B - Unleaded Gas

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Status Date:</b>		30-JUN-1991	<b>Placement:</b>		UNDERGROUND	
<b>Installation Date:</b>			<b>Tank Vessel Indic:</b>		TANK	
<b>Tank Desc:</b>						

<a href="#">12</a>	3 of 5	ENE	0.14 / 717.41	140.54 / 4	LAKE BUTLER CITY 125 E MAIN ST LAKE BUTLER FL 32054	AST
<b>Facility ID:</b>		8519166	<b>County:</b>		UNION	
<b>Facility Status:</b>		CLOSED	<b>Lat/Long Method:</b>		UNVR	
<b>Facility Type:</b>		C	<b>Lat DD:</b>		30	
<b>Type Desc:</b>		Fuel user/Non-retail	<b>Lat MM:</b>		1	
<b>Facility Phone:</b>		9044963401	<b>Lat SS:</b>		12	
<b>Dep Co:</b>		P	<b>Long DD:</b>		82	
<b>Owner ID:</b>		12343	<b>Long MM:</b>		15	
<b>Owner Phone:</b>		3864963203	<b>Long SS:</b>		50	
<b>Owner:</b>		LAKE BUTLER CITY				
<b>Owner Address1:</b>		200 SW 1ST ST				
<b>Owner Address2:</b>						
<b>Owner City:</b>		LAKE BUTLER				
<b>Owner State:</b>		FL				
<b>Owner Zip 5:</b>		32054				
<b>Contact:</b>		HARDY CLYATT				
<b>Data Source:</b>		Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information				
<b>Oculus Docs Inventory URL:</b>		https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8519166&CAT=11				
<b>Information Portal Fac URL:</b>		http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8519166				
<b>Information Portal Doc URL:</b>		http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519166/facility!search				

**Tank Information**

<b>Tank ID:</b>		2	<b>Tank Desc:</b>			
<b>Tank Status:</b>		B - REMOVED FROM SITE	<b>Capacity:</b>		1000	
<b>Status Date:</b>		30-JUN-1991	<b>Placement:</b>		ABOVEGROUND	
<b>Installation Date:</b>			<b>Tank Vessel Indic:</b>		TANK	
<b>Content Desc:</b>		D - Vehicular Diesel				

<a href="#">12</a>	4 of 5	ENE	0.14 / 717.41	140.54 / 4	LAKE BUTLER CITY 125 E MAIN ST LAKE BUTLER FL 32054	STCS
<b>Facility ID:</b>		8519166	<b>Zip5 (Open Data):</b>		32054	
<b>Type:</b>		C - Fuel User/Non-Retail	<b>CountyID(OpenData):</b>		63	
<b>Status:</b>		Closed	<b>County (Open Data):</b>		UNION	
<b>County:</b>		UNION	<b>Contam (Map):</b>			
<b>Fac Stat(OpenData):</b>		CLOSED	<b>Fac Type (Map):</b>		Fuel user/Non-retail	
<b>Fac Code(OpenData):</b>		C	<b>Fac Stat (Map):</b>		CLOSED	
<b>Fac Type(OpenData):</b>		Fuel user/Non-retail	<b>Status (Map):</b>		REVIEWED	
<b>Clnup Cd(OpenData):</b>		CMPL	<b>City (Map):</b>		LAKE BUTLER	
<b>Clnup Dt(OpenData):</b>		2010/05/20	<b>County (Map):</b>		63	
<b>Status (Open Data):</b>		REVIEWED	<b>Zip5 (Map):</b>		32054	
<b>City (Open Data):</b>		LAKE BUTLER	<b>Zip4 (Map):</b>		1725	
<b>Fac Name(Open Data):</b>		LAKE BUTLER CITY				
<b>Address (Open Data):</b>		125 E MAIN ST				
<b>Fac Cleanup Stat(Open Data):</b>		COMPLETED				
<b>Name (Map):</b>		LAKE BUTLER CITY				
<b>Address (Map):</b>		125 E MAIN ST				

**FDEP Storage Tank Monitoring Open Data Details**

<b>Object ID:</b>		10325	<b>Map Src:</b>		1999 doqs
<b>X:</b>		-82.3372326111125	<b>Map Scale:</b>		829
<b>Y:</b>		30.0233594174873	<b>Elevation:</b>		
<b>Regulated:</b>		NO	<b>EI Datum:</b>		
<b>Col Meth:</b>		DGPS	<b>EI Resolut:</b>		
<b>Col Name:</b>		CALTA_H	<b>EI Units:</b>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Col Date:</b>	25-Feb-2004			<b>ALB East:</b>	560170.88	
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>ALB North:</b>	669554.43	
<b>Ver Meth:</b>	DPHO			<b>Loc ID:</b>	11678	
<b>Ver Name:</b>	CALTA_H			<b>Lat DD:</b>	30	
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION			<b>Lat MM:</b>	1	
<b>Ver Date:</b>	25-Feb-2004			<b>Lat SS:</b>		
<b>OOIC:</b>	FACILITY			<b>Long DD:</b>	82	
<b>Rel Feat:</b>	EXACT			<b>Long MM:</b>	20	
<b>Datum:</b>	WGS84			<b>Long SS:</b>		
<b>Coord Acc:</b>	3					
<b>Col Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Ver Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Direct:</b>						
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519166/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519166/gis-facility!search</a>					

#### FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

<b>Loc ID:</b>	11678	<b>Rel Feat:</b>	EXACT
<b>Site Type:</b>	Fuel user/Non-retail	<b>EI Datum:</b>	
<b>Contam Ind:</b>		<b>EI Resolut:</b>	
<b>Phone:</b>	9044963401	<b>EI Units:</b>	
<b>Operator:</b>	JERRY L.HOWELL	<b>Map Src:</b>	1999 doqs
<b>Next action:</b>		<b>Map Scale:</b>	829
<b>Fin Respon:</b>		<b>Coord Acc:</b>	3
<b>Office:</b>	NED	<b>Alb East:</b>	560170.88
<b>OOIC:</b>	FACILITY	<b>Alb North:</b>	669554.43
<b>Col Meth:</b>	DGPS	<b>Datum:</b>	WGS84
<b>Col Name:</b>	CALTA_H	<b>Elevation:</b>	
<b>Col Date:</b>	2/25/2004	<b>Lat DD:</b>	30
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Meth:</b>	DPHO	<b>Lat SS:</b>	
<b>Ver Name:</b>	CALTA_H	<b>Long DD:</b>	82
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Long MM:</b>	20
<b>Ver Date:</b>	2/25/2004	<b>Long SS:</b>	
<b>Object ID:</b>	11678		
<b>Col Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Ver Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519166/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8519166/gis-facility!search</a>		

#### FDEP - Storage Tank Contamination Monitoring (STCM) Details

<b>Name:</b>	Lake Butler City 125 E Main St Lake Butler, FL 32054- 1725
<b>LL Method:</b>	DGPS - Unverified
<b>Account Owner:</b>	Lake Butler City
<b>Contact:</b>	Jerry L.Howell
<b>Phone:</b>	904-496-3401
<b>District:</b>	NED
<b>County 1:</b>	63 - Union
<b>Latitude:</b>	30:01:24.0939
<b>Longitude:</b>	82:20:14.0374

#### FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

<b>Tank No:</b>	1
<b>Size:</b>	4000
<b>Content:</b>	Unleaded Gas
<b>Installed:</b>	
<b>Placement:</b>	UNDER
<b>Status:</b>	Removed from Site
<b>Construction:</b>	
<b>Piping:</b>	
<b>Monitoring:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 2  
 Size: 1000  
 Content: Vehicular Diesel  
 Installed:  
 Placement: ABOVE  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

<a href="#">12</a>	5 of 5	ENE	0.14 / 717.41	140.54 / 4	LAKE BUTLER CITY 125 E MAIN ST LAKE BUTLER FL 32054	DWM CONTAM
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Facility ID:	8519166	Contact:	
Site ID:	8519166	Phone:	
Program Area:		Method:	
Facility Type:		Datum:	
Fac Type:		Related Party ID:	
County ID:	63	Primary RP Role:	
Ftc1 Fac Type ID:	C	RP Begin Date:	
Stcm Facility Type:	C	RP Address1:	
District:	NED	RP Address2:	
Site Status:		RP City:	
Section:	30	RP State:	
Township:	05S	RP Zip5:	
County:	Union	RP Zip4:	
Range:	20E	RP Phone:	
Rank:		RP Extension:	
Operator:		RP Bad Addr Ind:	
Name Changed:		RP Name:	
Addr Changed:			
Facility Name:	LAKE BUTLER CITY		
Description:	Fuel user/Non-retail		

**Program Details**

Facility Status:		Staff Assigned:	
Offsite Contam:		Priority:	
Priority Score:		Score Effective Dt:	
Project Coordinato:		Score When Ranked:	
Program Eligible:		District:	
Ineligible:		Datum:	0
Program Area:	PETROLEUM	Method:	UNVR
Site Manager:		Lat DD:	30
Discharge Date:	4/2/1992	Lat MM:	1
Discharge Eligibil:	I	Lat SS:	12
Eligibility Progm:		Long DD:	82
Cleanup Status:	CLOSED-STCM	Long MM:	15
Closure Type:	NFA	Long SS:	50
Closure Date:	7/1/1999		

<a href="#">13</a>	1 of 1	WNW	0.17 / 905.80	137.45 / 1	FORMER COASTAL MART SW 4TH AVE AND SR 100 LAKE BUTLER FL 32054	WELL SURVEILLANCE
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Facility ID:	9300907	County:	UNION
Project ID:	SUPER	Longitude:	-82.342034
Req No:		Latitude:	30.022897
Loc ID:	197687	GPS Date:	8/30/2012 0:00:00
GPS ID:	197687	Datum:	WS1984
Type:	PETROLEUM	Software:	Risk_Aerial_Entry
Insp CHD:	DCEH	Streetside:	
HAE:		Agency:	DOH

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Loc Method:</b>		DPHO - Georeferenced Aerial Photograph				
<b>Insp F Name:</b>		MICHAEL				
<b>Insp L Name:</b>		BERRY				
<b>Comment:</b>		8/29/2012 DEP EMAIL				

[14](#) 1 of 5 **WNW** 0.17 / 909.33 137.45 / 1 **CNB NATIONAL BANK SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054** **LST**

<b>Facility ID:</b>	9300907	<b>Datum:</b>	0
<b>Facility Status:</b>	CLOSED	<b>Lat DD:</b>	30
<b>Facility Type:</b>	A - Retail Station	<b>Lat MM:</b>	1
<b>Score:</b>	57	<b>Lat SS:</b>	22.4042
<b>Score Effective Date:</b>	11/08/2002	<b>Long DD:</b>	82
<b>Score when Ranked:</b>	57	<b>Long MM:</b>	20
<b>Rank:</b>	2258	<b>Long SS:</b>	30.9993
<b>Operator:</b>		<b>Facility T (Map):</b>	Retail Station
<b>Prim Related Party:</b>	52717	<b>Facility S (Map):</b>	CLOSED
<b>Primary RP Role:</b>	PROPERTY OWNER	<b>County (Map):</b>	UNION
<b>RP Begin Date:</b>	02/18/2002	<b>Collection (Map):</b>	DPHO
<b>Phone:</b>	(904)496-2101	<b>Collector (Map):</b>	Williams_CA
<b>Name Changed:</b>	02/18/2002	<b>Collecti 1 (Map):</b>	8/29/2012
<b>Address Changed:</b>		<b>Datum (Map):</b>	NAD83
<b>Section:</b>	030	<b>Rel Feat (Map):</b>	EXACT
<b>Township:</b>	05S	<b>Geometry (Map):</b>	
<b>Range:</b>	20E	<b>Lat DD (Map):</b>	30
<b>District:</b>	NED	<b>Lat MM (Map):</b>	1
<b>County:</b>	UNION	<b>Lat SS (Map):</b>	
<b>County No:</b>	63	<b>Long DD (Map):</b>	82
<b>Feature:</b>		<b>Long MM (Map):</b>	20
<b>Method:</b>		<b>Long SS (Map):</b>	
<b>RP Name:</b>	CNB NATIONAL BANK		
<b>RP Address1:</b>	SE CORNER OF SW 4TH AVE & HWY 100		
<b>RP Address2:</b>			
<b>RP City:</b>	LAKE BUTLER		
<b>RP State:</b>	FL		
<b>RP Zip5:</b>	32054		
<b>RP Zip4:</b>			
<b>Contact:</b>			
<b>RP Phone:</b>			
<b>RP Phone Ext.:</b>			
<b>RP Bad Addr Ind:</b>	No		
<b>Facility Name (Map):</b>	CNB NATIONAL BANK		
<b>Address (Map):</b>	SE CR OF SW 4TH AVE & HWY 100		
<b>City (Map):</b>	LAKE BUTLER		
<b>Zip5 (Map):</b>	32054		
<b>Document L (Map):</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9300907/facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9300907/facility!search</a>		
<b>Oculus Docs Inventory:</b>	<a href="https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9300907&amp;CAT=11">https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9300907&amp;CAT=11</a>		
<b>Information Portal Fac URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=9300907">http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=9300907</a>		
<b>Information Portal Doc URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9300907/facility!search">http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9300907/facility!search</a>		
<b>Source:</b>	DEP; Storage Tanks & Contamination Monitoring, Discharge Info.; FDEP Open Data, Petroleum Contamination Monitoring (PCTS) Discharges (Map)		

#### Discharge Cleanup Summary

<b>Discharge Date:</b>	02/24/1993
<b>Cleanup Required:</b>	R - CLEANUP REQUIRED
<b>Discharge Cleanup Status:</b>	SRCR - SRCR COMPLETE
<b>Discharge Cleanup Stat Date:</b>	12/07/2005
<b>Eligibility Indicator:</b>	E - ELIGIBLE
<b>Site Manager:</b>	MCCOY_M
<b>Site Manager End Date:</b>	12/07/2005
<b>Tank Office:</b>	PCTM2 - PETROLEUM CLEANUP TEAM 2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Contaminated Media**

Contaminated Drinking Wells: 0  
 Contaminated Mntring Wells: NO  
 Contaminated Soil: YES  
 Contaminated Surface Water: NO  
 Contaminated Ground Water: NO  
 Pollutant: A - Leaded Gas  
 Other Description:  
 Gallons Discharged:

**Contaminated Media**

Contaminated Drinking Wells: 0  
 Contaminated Mntring Wells: NO  
 Contaminated Soil: YES  
 Contaminated Surface Water: NO  
 Contaminated Ground Water: NO  
 Pollutant: B - Unleaded Gas  
 Other Description:  
 Gallons Discharged:

**Petroleum Cleanup Program Eligibility**

Cleanup Program: A - ABANDONED TANK RESTORATION PROGRAM  
 Eligibility Status: ELIGIBLE

**Task Info**

SA Task ID:	15299	SR Soil Treatment:	
SA Cleanup Resp:	RP - RESPONSIBLE PARTY	SR Other Treatment:	
SA Actual Cost:		SR Alt Proc Rec:	
SA Complete Date:	03-21-1995	RAP Task ID:	70560
SA Payment Date:		RAP Clean Resp ID:	-
SR Task ID:	73894	RAP Actual Cost:	
SR Cleanup Resp:	-	RAP Complete Date:	
SR Actual Cost:		RAP Payment Date:	
SR Complete Date:	12-30-1993	RAP Last Ord Appr:	
SR Payment Date:		RA Task ID:	72779
SR Oral Date:		RA Cleanup Resp:	-
SR Written Date:	02-02-2004	RA Yrs to Complete:	0
SR Soil Removal:	Yes	RA Actual Cost:	
SR Free Prod Rmvl:	No	Tank Office:	PCTM2 - Team 2
SR Soil Ton Remove:	232		
SR Fund Elig Type:	-		
SA Fund Elig Type:	-		
RAP Fund Elig Type:	-		
RA Fund Elig Type:	-		
SR Alternate Procedure Status:			
SR Alt Procedure Status Dt:			
SR Alt Procedure Comment:			
SRC Action Type:	SRCR - SITE REHABILITATION COMPLETION REPORT		
SRC Submit Date:	30-Nov-2005 00:00:00		
SRC Review Date:	11-30-2005		
SRC Complete Status:	A - APPROVED		
SRC Comp Status Dt:	12-07-2005		
SRC Issue Date:	12-07-2005		
SRC Comments:	12/7/05 ISSUED SRCO		

**Petroleum Cleanup Funding Cap Encumbrance to Date**

FCFS: \$26,794.00  
 LPSPASM: \$0.00  
 SPASM: \$0.00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
NPDES:			\$0.00			
Utility 1 Time Payments:			\$0.00			
All Wo Ta Co Pos Encumbered:			\$97,498.14			
Wo Ta Co Pos Exclu from Cap:			\$0.00			
Ttl Amnt Encumbered to Date:			\$124,292.14			
Ttl Amnt Encumbered Towar:			\$124,292.14			

**Discharge Info (Map)**

Discharge:	6164	Eligibility:	ELIGIBLE
Discharge 1:	24-Feb-1993	Eligibility 1:	ATRP
Discharge 2:	57	Report Pha:	COMPLETED
Discharge 3:	SRCR	Report Sub:	COMPLETED
General Cl:	CLOSURE	Report S 1:	07-Dec-2005
Disch Clea:	07-Dec-2005	Staff Assi:	
Tank Offic:	PETROLEUM CLEANUP TEAM 2		

**AST UST Discharges**

Dep Co:	P	Long SS:	
CU Req:	R	CU Stat:	
Score:	00057	Stat Desc:	SRCR COMPLETE
Descrip:	CLEANUP REQUIRED	Fac Name:	CNB NATIONAL BANK
Discharge Date:	24-FEB-93	Fac Type:	A
Score Date:	08-NOV-2002	Type Desc:	Retail Station
Stat Date:	07-DEC-2005	Fac Addr:	SE CR OF SW 4TH AVE & HWY 100
LL Meth:		Fac City:	LAKE BUTLER
Lat DD:		Fac Zip:	32054
Lat MM:		County:	63
Lat SS:		Fac State:	CLOSED
Long DD:		Fac Phone:	9044962101
Long MM:			
Prg Desc:	ABANDONED TANK RESTORATION PROGRAM		

**Eligible Discharges**

Program:	ATRP
Current Status:	CLOSED
Discharge Date:	02/24/1993
Score:	57
Facility:	CNB NATIONAL BANK
Address:	SE CR OF SW 4TH AVE & HWY 100
City:	LAKE BUTLER
Zip:	32054
County:	UNION
Owner:	
Owner Address:	
Owner City:	
Owner State:	
Owner Zip:	
Owner Phone:	
Owner Email:	

<a href="#">14</a>	2 of 5	WNW	0.17 / 909.33	137.45 / 1	CNB NATIONAL BANK SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054	UST
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Facility ID:	9300907	County:	UNION
Facility Status:	CLOSED	Lat/Long Method:	
Facility Type:	A	Lat DD:	
Type Desc:	Retail Station	Lat MM:	
Facility Phone:	9044962101	Lat SS:	
Dep Co:	P	Long DD:	
Owner ID:		Long MM:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Owner Phone:**  
**Owner:**  
**Owner Address1:**  
**Owner Address2:**  
**Owner City:**  
**Owner State:**  
**Owner Zip 5:**  
**Contact:**  
**Source:** Tank Facility - All Locations and Tank Information  
**Oculus Docs Inventory URL:** https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9300907&CAT=11  
**Information Portal Fac URL:** http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9300907  
**Information Portal Doc URL:** http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9300907/facility!search

**Tank Information**

<b>Tank ID:</b>	1	<b>Capacity:</b>	500
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	30-SEP-1993	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1933	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	2	<b>Capacity:</b>	250
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	B - Unleaded Gas
<b>Status Date:</b>	30-SEP-1993	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>	01-JUL-1933	<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

**Tank Information**

<b>Tank ID:</b>	3	<b>Capacity:</b>	560
<b>Tank Status:</b>	B - REMOVED FROM SITE	<b>Substance:</b>	A - Leaded Gas
<b>Status Date:</b>	30-SEP-1993	<b>Placement:</b>	UNDERGROUND
<b>Installation Date:</b>		<b>Tank Vessel Indic:</b>	TANK
<b>Tank Desc:</b>			

<a href="#">14</a>	3 of 5	WNW	0.17 / 909.33	137.45 / 1	CNB NATIONAL BANK SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054	STCS
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<b>Facility ID:</b>	9300907	<b>Zip5 (Open Data):</b>	32054
<b>Type:</b>	A - Retail Station	<b>CountyID(OpenData):</b>	63
<b>Status:</b>	Closed	<b>County (Open Data):</b>	UNION
<b>County:</b>	UNION	<b>Contam (Map):</b>	
<b>Fac Stat(OpenData):</b>	CLOSED	<b>Fac Type (Map):</b>	Retail Station
<b>Fac Code(OpenData):</b>	A	<b>Fac Stat (Map):</b>	CLOSED
<b>Fac Type(OpenData):</b>	Retail Station	<b>Status (Map):</b>	REVIEWED
<b>Clnup Cd(OpenData):</b>	CMPL	<b>City (Map):</b>	LAKE BUTLER
<b>Clnup Dt(OpenData):</b>	2010/05/20	<b>County (Map):</b>	63
<b>Status (Open Data):</b>	REVIEWED	<b>Zip5 (Map):</b>	32054
<b>City (Open Data):</b>	LAKE BUTLER	<b>Zip4 (Map):</b>	0
<b>Fac Name(Open Data):</b>	CNB NATIONAL BANK		
<b>Address (Open Data):</b>	SE CR OF SW 4TH AVE & HWY 100		
<b>Fac Cleanup Stat(Open Data):</b>	COMPLETED		
<b>Name (Map):</b>	CNB NATIONAL BANK		
<b>Address (Map):</b>	SE CR OF SW 4TH AVE & HWY 100		

**FDEP Storage Tank Monitoring Open Data Details**

<b>Object ID:</b>	43068	<b>Map Src:</b>	imagery_04_09
<b>X:</b>	-82.3419442500024	<b>Map Scale:</b>	1250

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Y:	30.0228900555589				<b>Elevation:</b>	
Regulated:	NO				<b>EI Datum:</b>	
Col Meth:	DPHO				<b>EI Resolut:</b>	
Col Name:	Williams_CA				<b>EI Units:</b>	
Col Date:	29-Aug-2012				<b>ALB East:</b>	559717.87
Col Prog:	TANKS-PETROLEUM CONTAMINATION				<b>ALB North:</b>	669495.79
Ver Meth:	DPHO				<b>Loc ID:</b>	11645
Ver Name:	Williams_CA				<b>Lat DD:</b>	30
Ver Prog:	TANKS-PETROLEUM CONTAMINATION				<b>Lat MM:</b>	1
Ver Date:	29-Aug-2012				<b>Lat SS:</b>	
OOIC:	FACILITY				<b>Long DD:</b>	82
Rel Feat:	EXACT				<b>Long MM:</b>	20
Datum:	NAD83				<b>Long SS:</b>	
Coord Acc:	4					
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
Direct:						
Documents:	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9300907/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9300907/gis-facility!search</a>					

**FDEP Open Data - Storage Tank Contamination Monitoring (STCM)**

Loc ID:	11645				<b>Rel Feat:</b>	EXACT
Site Type:	Retail Station				<b>EI Datum:</b>	
Contam Ind:					<b>EI Resolut:</b>	
Phone:	9044962101				<b>EI Units:</b>	
Operator:					<b>Map Src:</b>	imagery_04_09
Next action:					<b>Map Scale:</b>	1250
Fin Respon:					<b>Coord Acc:</b>	4
Office:	NED				<b>Alb East:</b>	559717.87
OOIC:	FACILITY				<b>Alb North:</b>	669495.79
Col Meth:	DPHO				<b>Datum:</b>	NAD83
Col Name:	Williams_CA				<b>Elevation:</b>	
Col Date:	8/29/2012				<b>Lat DD:</b>	30
Col Prog:	TANKS-PETROLEUM CONTAMINATION				<b>Lat MM:</b>	1
Ver Meth:	DPHO				<b>Lat SS:</b>	
Ver Name:	Williams_CA				<b>Long DD:</b>	82
Ver Prog:	TANKS-PETROLEUM CONTAMINATION				<b>Long MM:</b>	20
Ver Date:	8/29/2012				<b>Long SS:</b>	
Object ID:	11645					
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
Documents:	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9300907/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9300907/gis-facility!search</a>					

**FDEP - Storage Tank Contamination Monitoring (STCM) Details**

Name:	Cnb National Bank Se Cr Of Sw 4th Ave & Hwy 100 Lake Butler, FL 32054
LL Method:	DPHO
Account Owner:	
Contact:	
Phone:	904-496-2101
District:	NED
County 1:	63 - Union
Latitude:	30:01:22.4042
Longitude:	82:20:30.9993

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No:	3
Size:	560
Content:	Leaded Gas
Installed:	
Placement:	UNDER
Status:	Removed from Site
Construction:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Piping:  
Monitoring:

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 2  
 Size: 250  
 Content: Unleaded Gas  
 Installed: 07/01/1933  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 1  
 Size: 500  
 Content: Leaded Gas  
 Installed: 07/01/1933  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

<a href="#">14</a>	4 of 5	WNW	0.17 / 909.33	137.45 / 1	WILMAS VARIETY STORE RT 1 BOX 654 LAKE BUTLER FL 32054	STCS
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Facility ID:	8627815	Zip5 (Open Data):	32054
Type:	C - Fuel User/Non-Retail	CountyID(OpenData):	63
Status:	Closed	County (Open Data):	UNION
County:	UNION	Contam (Map):	
Fac Stat(OpenData):	CLOSED	Fac Type (Map):	Fuel user/Non-retail
Fac Code(OpenData):	C	Fac Stat (Map):	CLOSED
Fac Type(OpenData):	Fuel user/Non-retail	Status (Map):	REVIEWED
Clnup Cd(OpenData):		City (Map):	LAKE BUTLER
Clnup Dt(OpenData):		County (Map):	63
Status (Open Data):	REVIEWED	Zip5 (Map):	32054
City (Open Data):	LAKE BUTLER	Zip4 (Map):	8325
Fac Name(Open Data):	WILMAS VARIETY STORE		
Address (Open Data):	RT 1 BOX 654		
Fac Cleanup Stat(Open Data):			
Name (Map):	WILMAS VARIETY STORE		
Address (Map):	RT 1 BOX 654		

**FDEP Storage Tank Monitoring Open Data Details**

Object ID:	16818	Map Src:	imagery_04_09
X:	-82.3421611944465	Map Scale:	2500
Y:	30.0229878611144	Elevation:	
Regulated:	NO	EI Datum:	
Col Meth:	DPHO	EI Resolut:	
Col Name:	Williams_CA	EI Units:	
Col Date:	19-Feb-2014	ALB East:	559696.8200000001
Col Prog:	TANKS-PETROLEUM CONTAMINATION	ALB North:	669506.37
Ver Meth:	DPHO	Loc ID:	11672
Ver Name:	Williams_CA	Lat DD:	30
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	Lat MM:	1
Ver Date:	19-Feb-2014	Lat SS:	
OOIC:	FACILITY	Long DD:	82
Rel Feat:	VICIN	Long MM:	20
Datum:	NAD83	Long SS:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Coord Acc:	4					
Col Aff:		DEPARTMENT OF ENVIRONMENTAL PROTECTION				
Ver Aff:		DEPARTMENT OF ENVIRONMENTAL PROTECTION				
Direct:						
Documents:		<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8627815/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8627815/gis-facility!search</a>				

**FDEP Open Data - Storage Tank Contamination Monitoring (STCM)**

Loc ID:	11672	Rel Feat:	VICIN
Site Type:	Fuel user/Non-retail	EI Datum:	
Contam Ind:		EI Resolut:	
Phone:	9044962906	EI Units:	
Operator:	HART LORETTA	Map Src:	imagery_04_09
Next action:		Map Scale:	2500
Fin Respon:		Coord Acc:	4
Office:	NED	Alb East:	559696.8200000001
OOIC:	FACILITY	Alb North:	669506.37
Col Meth:	DPHO	Datum:	NAD83
Col Name:	Williams_CA	Elevation:	
Col Date:	2/19/2014	Lat DD:	30
Col Prog:	TANKS-PETROLEUM CONTAMINATION	Lat MM:	1
Ver Meth:	DPHO	Lat SS:	
Ver Name:	Williams_CA	Long DD:	82
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	Long MM:	20
Ver Date:	2/19/2014	Long SS:	
Object ID:	11672		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8627815/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8627815/gis-facility!search</a>		

**FDEP - Storage Tank Contamination Monitoring (STCM) Details**

Name:	Wilmas Variety Store Rt 1 Box 654 Lake Butler, FL 32054- 8325
LL Method:	DPHO
Account Owner:	Hart, Loretta
Contact:	Hart Loretta
Phone:	904-496-2906
District:	NED
County 1:	63 - Union
Latitude:	30:01:22.7563
Longitude:	82:20:31.7803

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No:	2
Size:	4000
Content:	Leaded Gas
Installed:	12/01/1976
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	
Monitoring:	

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No:	1
Size:	4000
Content:	Leaded Gas
Installed:	12/01/1976
Placement:	UNDER
Status:	Removed from Site

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Construction:  
Piping:  
Monitoring:

<a href="#">14</a>	5 of 5	WNW	0.17 / 909.33	137.45 / 1	CNB NATIONAL BANK SE CR OF SW 4TH AVE & HWY 100 LAKE BUTLER FL 32054	DWM CONTAM
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<b>Facility ID:</b>	9300907	<b>Contact:</b>	
<b>Site ID:</b>	9300907	<b>Phone:</b>	
<b>Program Area:</b>		<b>Method:</b>	
<b>Facility Type:</b>		<b>Datum:</b>	
<b>Fac Type:</b>		<b>Related Party ID:</b>	
<b>County ID:</b>	63	<b>Primary RP Role:</b>	
<b>Ftc1 Fac Type ID:</b>	A	<b>RP Begin Date:</b>	
<b>Stcm Facility Type:</b>	A	<b>RP Address1:</b>	
<b>District:</b>	NED	<b>RP Address2:</b>	
<b>Site Status:</b>		<b>RP City:</b>	
<b>Section:</b>	30	<b>RP State:</b>	
<b>Township:</b>	05S	<b>RP Zip5:</b>	
<b>County:</b>	Union	<b>RP Zip4:</b>	
<b>Range:</b>	20E	<b>RP Phone:</b>	
<b>Rank:</b>		<b>RP Extension:</b>	
<b>Operator:</b>		<b>RP Bad Addr Ind:</b>	
<b>Name Changed:</b>		<b>RP Name:</b>	
<b>Addr Changed:</b>			
<b>Facility Name:</b>	CNB NATIONAL BANK		
<b>Description:</b>	Retail Station		

**Program Details**

<b>Facility Status:</b>		<b>Staff Assigned:</b>	
<b>Offsite Contam:</b>		<b>Priority:</b>	
<b>Priority Score:</b>	57	<b>Score Effective Dt:</b>	
<b>Project Coordinato:</b>		<b>Score When Ranked:</b>	
<b>Program Eligible:</b>		<b>District:</b>	
<b>Ineligible:</b>		<b>Datum:</b>	0
<b>Program Area:</b>	PETROLEUM	<b>Method:</b>	
<b>Site Manager:</b>		<b>Lat DD:</b>	
<b>Discharge Date:</b>	2/24/1993	<b>Lat MM:</b>	
<b>Discharge Eligibil:</b>	E	<b>Lat SS:</b>	
<b>Eligibility Progm:</b>	ATRP	<b>Long DD:</b>	
<b>Cleanup Status:</b>	CLOSED-STCM	<b>Long MM:</b>	
<b>Closure Type:</b>	SRCR	<b>Long SS:</b>	
<b>Closure Date:</b>	12/7/2005		

<a href="#">15</a>	1 of 3	W	0.23 / 1,195.48	135.83 / 0	HITCHING POST LOUNGE 440 W MAIN ST LAKE BUTLER FL 32054	WELL SURVEILLANCE
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<b>Facility ID:</b>	9400285	<b>County:</b>	UNION
<b>Project ID:</b>	SUPER	<b>Longitude:</b>	-82.342724
<b>Req No:</b>		<b>Latitude:</b>	30.022686
<b>Loc ID:</b>	197895	<b>GPS Date:</b>	9/30/1999 3:41:07
<b>GPS ID:</b>	197895	<b>Datum:</b>	WS1984
<b>Type:</b>	PETROLEUM	<b>Software:</b>	
<b>Insp CHD:</b>	UNION	<b>Streetside:</b>	
<b>HAE:</b>	24.92	<b>Agency:</b>	
<b>Loc Method:</b>	DGPS - Differentially Corrected GPS		
<b>Insp F Name:</b>	JUTTA		
<b>Insp L Name:</b>	KARIBO		
<b>Comment:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">15</a>	2 of 3	W	0.23 / 1,195.48	135.83 / 0	HITCHING POST LOUNGE 440 W MAIN ST LAKE BUTLER FL 32054	UST

**Facility ID:** 9400285  
**Facility Status:** CLOSED  
**Facility Type:** A  
**Type Desc:** Retail Station  
**Facility Phone:** 9044961354  
**Dep Co:** P  
**Owner ID:** 6657  
**Owner Phone:** 9044961354  
**Owner:** MEADOWS, ERNIE  
**Owner Address1:** PO BOX 832  
**Owner Address2:**  
**Owner City:** LAKE BUTLER  
**Owner State:** FL  
**Owner Zip 5:** 32054  
**Contact:** ERNIE MEADOWS  
**Source:** Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information  
**Oculus Docs Inventory URL:** <https://eriservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9400285&CAT=11>  
**Information Portal Fac URL:** <http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9400285>  
**Information Portal Doc URL:** <http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9400285/facility!search>

**Tank Information**

**Tank ID:** 3  
**Tank Status:** B - REMOVED FROM SITE  
**Status Date:** 30-SEP-1993  
**Installation Date:**  
**Tank Desc:**  
**Capacity:** 1000  
**Substance:** A - Leaded Gas  
**Placement:** UNDERGROUND  
**Tank Vessel Indic:** TANK

**Tank Information**

**Tank ID:** 1  
**Tank Status:** B - REMOVED FROM SITE  
**Status Date:** 30-SEP-1993  
**Installation Date:**  
**Tank Desc:**  
**Capacity:** 1000  
**Substance:** A - Leaded Gas  
**Placement:** UNDERGROUND  
**Tank Vessel Indic:** TANK

**Tank Information**

**Tank ID:** 2  
**Tank Status:** B - REMOVED FROM SITE  
**Status Date:** 30-SEP-1993  
**Installation Date:**  
**Tank Desc:**  
**Capacity:** 2000  
**Substance:** A - Leaded Gas  
**Placement:** UNDERGROUND  
**Tank Vessel Indic:** TANK

<a href="#">15</a>	3 of 3	W	0.23 / 1,195.48	135.83 / 0	HITCHING POST LOUNGE 440 W MAIN ST LAKE BUTLER FL 32054	STCS
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**Facility ID:** 9400285  
**Type:** A - Retail Station  
**Status:** Closed  
**County:** UNION  
**Fac Stat(OpenData):** CLOSED  
**Fac Code(OpenData):** A  
**Fac Type(OpenData):** Retail Station  
**Clnup Cd(OpenData):**  
**Clnup Dt(OpenData):**  
**Status (Open Data):** REVIEWED  
**City (Open Data):** LAKE BUTLER  
**Fac Name(Open Data):** HITCHING POST LOUNGE  
**Address (Open Data):** 440 W MAIN ST  
**Zip5 (Open Data):** 32054  
**CountyID(OpenData):** 63  
**County (Open Data):** UNION  
**Contam (Map):**  
**Fac Type (Map):** Retail Station  
**Fac Stat (Map):** CLOSED  
**Status (Map):** REVIEWED  
**City (Map):** LAKE BUTLER  
**County (Map):** 63  
**Zip5 (Map):** 32054  
**Zip4 (Map):** 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Fac Cleanup Stat(Open Data):**

**Name (Map):** HITCHING POST LOUNGE  
**Address (Map):** 440 W MAIN ST

**FDEP Storage Tank Monitoring Open Data Details**

<b>Object ID:</b>	45021	<b>Map Src:</b>	1999 doqs
<b>X:</b>	-82.3430753333348	<b>Map Scale:</b>	2322
<b>Y:</b>	30.0228330563766	<b>Elevation:</b>	
<b>Regulated:</b>	NO	<b>EI Datum:</b>	
<b>Col Meth:</b>	DGPS	<b>EI Resolut:</b>	
<b>Col Name:</b>	CALTA_H	<b>EI Units:</b>	
<b>Col Date:</b>	28-Jan-2004	<b>ALB East:</b>	559608.6
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>ALB North:</b>	669488.4500000001
<b>Ver Meth:</b>	DPHO	<b>Loc ID:</b>	11644
<b>Ver Name:</b>	CALTA_H	<b>Lat DD:</b>	30
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Date:</b>	28-Jan-2004	<b>Lat SS:</b>	
<b>OOIC:</b>	FACILITY	<b>Long DD:</b>	82
<b>Rel Feat:</b>	EXACT	<b>Long MM:</b>	20
<b>Datum:</b>	WGS84	<b>Long SS:</b>	
<b>Coord Acc:</b>	3		
<b>Col Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Ver Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Direct:</b>			
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9400285/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9400285/gis-facility!search</a>		

**FDEP Open Data - Storage Tank Contamination Monitoring (STCM)**

<b>Loc ID:</b>	11644	<b>Rel Feat:</b>	EXACT
<b>Site Type:</b>	Retail Station	<b>EI Datum:</b>	
<b>Contam Ind:</b>		<b>EI Resolut:</b>	
<b>Phone:</b>	9044961354	<b>EI Units:</b>	
<b>Operator:</b>	ERNIE MEADOWS	<b>Map Src:</b>	1999 doqs
<b>Next action:</b>		<b>Map Scale:</b>	2322
<b>Fin Respon:</b>		<b>Coord Acc:</b>	3
<b>Office:</b>	NED	<b>Alb East:</b>	559608.6
<b>OOIC:</b>	FACILITY	<b>Alb North:</b>	669488.4500000001
<b>Col Meth:</b>	DGPS	<b>Datum:</b>	WGS84
<b>Col Name:</b>	CALTA_H	<b>Elevation:</b>	
<b>Col Date:</b>	1/28/2004	<b>Lat DD:</b>	30
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Lat MM:</b>	1
<b>Ver Meth:</b>	DPHO	<b>Lat SS:</b>	
<b>Ver Name:</b>	CALTA_H	<b>Long DD:</b>	82
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION	<b>Long MM:</b>	20
<b>Ver Date:</b>	1/28/2004	<b>Long SS:</b>	
<b>Object ID:</b>	11644		
<b>Col Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Ver Aff:</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9400285/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9400285/gis-facility!search</a>		

**FDEP - Storage Tank Contamination Monitoring (STCM) Details**

**Name:** Hitching Post Lounge  
440 W Main St  
Lake Butler, FL 32054

**LL Method:** DGPS - Unverified

**Account Owner:** Meadows, Ernie

**Contact:** Ernie Meadows

**Phone:** 904-496-1354

**District:** NED

**County 1:** 63 - Union

**Latitude:** 30:01:22.1990

**Longitude:** 82:20:35.0712

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 1  
 Size: 1000  
 Content: Leaded Gas  
 Installed:  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 3  
 Size: 1000  
 Content: Leaded Gas  
 Installed:  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

Tank No: 2  
 Size: 2000  
 Content: Leaded Gas  
 Installed:  
 Placement: UNDER  
 Status: Removed from Site  
 Construction:  
 Piping:  
 Monitoring:

<a href="#">16</a>	1 of 1	W	0.31 / 1,620.20	138.40 / 2	THOMAS PROPERTY 1 MI E OF US 90 SR 231 LAKE BUTLER FL 32087	STCS
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<b>Facility ID:</b>	8735829	<b>Zip5 (Open Data):</b>	32087
<b>Type:</b>	C - Fuel User/Non-Retail	<b>CountyID(OpenData):</b>	63
<b>Status:</b>	Closed	<b>County (Open Data):</b>	UNION
<b>County:</b>	UNION	<b>Contam (Map):</b>	
<b>Fac Stat(OpenData):</b>	CLOSED	<b>Fac Type (Map):</b>	Fuel user/Non-retail
<b>Fac Code(OpenData):</b>	C	<b>Fac Stat (Map):</b>	CLOSED
<b>Fac Type(OpenData):</b>	Fuel user/Non-retail	<b>Status (Map):</b>	REVIEWED
<b>Clnup Cd(OpenData):</b>		<b>City (Map):</b>	LAKE BUTLER
<b>Clnup Dt(OpenData):</b>		<b>County (Map):</b>	63
<b>Status (Open Data):</b>	REVIEWED	<b>Zip5 (Map):</b>	32087
<b>City (Open Data):</b>	LAKE BUTLER	<b>Zip4 (Map):</b>	0
<b>Fac Name(Open Data):</b>	THOMAS PROPERTY		
<b>Address (Open Data):</b>	1 MI E OF US 90 SR 231		
<b>Fac Cleanup Stat(Open Data):</b>			
<b>Name (Map):</b>	THOMAS PROPERTY		
<b>Address (Map):</b>	1 MI E OF US 90 SR 231		

**FDEP Storage Tank Monitoring Open Data Details**

<b>Object ID:</b>	24072	<b>Map Src:</b>	imagery_04_09
<b>X:</b>	-82.4287420000017	<b>Map Scale:</b>	5000
<b>Y:</b>	30.2041350000003	<b>Elevation:</b>	
<b>Regulated:</b>	NO	<b>EI Datum:</b>	
<b>Col Meth:</b>	DPHO	<b>EI Resolut:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Col Name:</b>	Williams_CA				<b>EI Units:</b>	
<b>Col Date:</b>	14-Jan-2014				<b>ALB East:</b>	551100.9
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION				<b>ALB North:</b>	689502.88
<b>Ver Meth:</b>	DPHO				<b>Loc ID:</b>	11663
<b>Ver Name:</b>	Williams_CA				<b>Lat DD:</b>	30
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION				<b>Lat MM:</b>	12
<b>Ver Date:</b>	14-Jan-2014				<b>Lat SS:</b>	
<b>OOIC:</b>	FACILITY				<b>Long DD:</b>	82
<b>Rel Feat:</b>	APPRX				<b>Long MM:</b>	25
<b>Datum:</b>	NAD83				<b>Long SS:</b>	
<b>Coord Acc:</b>	4					
<b>Col Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Ver Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Direct:</b>						
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8735829/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8735829/gis-facility!search</a>					

**FDEP Open Data - Storage Tank Contamination Monitoring (STCM)**

<b>Loc ID:</b>	11663				<b>Rel Feat:</b>	APPRX
<b>Site Type:</b>	Fuel user/Non-retail				<b>EI Datum:</b>	
<b>Contam Ind:</b>					<b>EI Resolut:</b>	
<b>Phone:</b>	9042592314				<b>EI Units:</b>	
<b>Operator:</b>	HARRY THOMAS				<b>Map Src:</b>	imagery_04_09
<b>Next action:</b>					<b>Map Scale:</b>	5000
<b>Fin Respon:</b>					<b>Coord Acc:</b>	4
<b>Office:</b>	NED				<b>Alb East:</b>	551100.9
<b>OOIC:</b>	FACILITY				<b>Alb North:</b>	689502.88
<b>Col Meth:</b>	DPHO				<b>Datum:</b>	NAD83
<b>Col Name:</b>	Williams_CA				<b>Elevation:</b>	
<b>Col Date:</b>	1/14/2014				<b>Lat DD:</b>	30
<b>Col Prog:</b>	TANKS-PETROLEUM CONTAMINATION				<b>Lat MM:</b>	12
<b>Ver Meth:</b>	DPHO				<b>Lat SS:</b>	
<b>Ver Name:</b>	Williams_CA				<b>Long DD:</b>	82
<b>Ver Prog:</b>	TANKS-PETROLEUM CONTAMINATION				<b>Long MM:</b>	25
<b>Ver Date:</b>	1/14/2014				<b>Long SS:</b>	
<b>Object ID:</b>	11663					
<b>Col Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Ver Aff:</b>	DEPARTMENT OF ENVIRONMENTAL PROTECTION					
<b>Documents:</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8735829/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8735829/gis-facility!search</a>					

**FDEP - Storage Tank Contamination Monitoring (STCM) Details**

<b>Name:</b>	Thomas Property 1 Mi E Of Us 90 Sr 231 Lake Butler, FL 32087
<b>LL Method:</b>	DPHO
<b>Account Owner:</b>	L V Hiers Inc
<b>Contact:</b>	Harry Thomas
<b>Phone:</b>	904-259-2314
<b>District:</b>	NED
<b>County 1:</b>	63 - Union
<b>Latitude:</b>	30:12:14.8860
<b>Longitude:</b>	82:25:43.4712

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

<b>Tank No:</b>	1
<b>Size:</b>	4000
<b>Content:</b>	Vehicular Diesel
<b>Installed:</b>	09/01/1987
<b>Placement:</b>	UNDER
<b>Status:</b>	Removed from Site
<b>Construction:</b>	
<b>Piping:</b>	
<b>Monitoring:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">17</a>	1 of 5	SW	0.41 / 2,180.18	136.05 / 0	CIRCLE K #2722432 585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054-9323	LST

<b>Facility ID:</b>	8517157	<b>Datum:</b>	0
<b>Facility Status:</b>	OPEN	<b>Lat DD:</b>	30
<b>Facility Type:</b>	A - Retail Station	<b>Lat MM:</b>	1
<b>Score:</b>	75	<b>Lat SS:</b>	5.8238
<b>Score Effective Date:</b>	06/17/2010	<b>Long DD:</b>	82
<b>Score when Ranked:</b>	70	<b>Long MM:</b>	20
<b>Rank:</b>	1275	<b>Long SS:</b>	39.3702
<b>Operator:</b>	GRAHAM BIGGS	<b>Facility T (Map):</b>	Retail Station
<b>Prim Related Party:</b>	4045	<b>Facility S (Map):</b>	OPEN
<b>Primary RP Role:</b>	ACCOUNT OWNER	<b>County (Map):</b>	UNION
<b>RP Begin Date:</b>	01/07/2016	<b>Collection (Map):</b>	DPHO
<b>Phone:</b>	(919)774-6700	<b>Collector (Map):</b>	CALTA_H
<b>Name Changed:</b>	01/07/2016	<b>Collecti 1 (Map):</b>	9/19/2003
<b>Address Changed:</b>	06/07/1999	<b>Datum (Map):</b>	HARN
<b>Section:</b>	031	<b>Rel Feat (Map):</b>	EXACT
<b>Township:</b>	005	<b>Geometry (Map):</b>	
<b>Range:</b>	020	<b>Lat DD (Map):</b>	30
<b>District:</b>	NED	<b>Lat MM (Map):</b>	1
<b>County:</b>	UNION	<b>Lat SS (Map):</b>	
<b>County No:</b>	63	<b>Long DD (Map):</b>	82
<b>Feature:</b>		<b>Long MM (Map):</b>	20
<b>Method:</b>	AGPS	<b>Long SS (Map):</b>	
<b>RP Name:</b>	CIRCLE K STORES INC		
<b>RP Address1:</b>	1100 Situs Ct		
<b>RP Address2:</b>	ATTN: STORAGE TANK REGIS Ste 100		
<b>RP City:</b>	Raleigh		
<b>RP State:</b>	NC		
<b>RP Zip5:</b>	27606		
<b>RP Zip4:</b>	4295		
<b>Contact:</b>	ANDREW BURRESS		
<b>RP Phone:</b>	(919)610-0734		
<b>RP Phone Ext.:</b>			
<b>RP Bad Addr Ind:</b>	No		
<b>Facility Name (Map):</b>	CIRCLE K #2722432		
<b>Address (Map):</b>	585 SW 6TH ST (HWY 121 & HWY 231)		
<b>City (Map):</b>	LAKE BUTLER		
<b>Zip5 (Map):</b>	32054		
<b>Document L (Map):</b>	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517157/facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517157/facility!search</a>		
<b>Oculus Docs Inventory:</b>	<a href="https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8517157&amp;CAT=11">https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8517157&amp;CAT=11</a>		
<b>Information Portal Fac URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8517157">http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&amp;facility.id=8517157</a>		
<b>Information Portal Doc URL:</b>	<a href="http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517157/facility!search">http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517157/facility!search</a>		
<b>Source:</b>	DEP; Storage Tanks & Contamination Monitoring, Discharge Info.; FDEP Open Data, Petroleum Contamination Monitoring (PCTS) Discharges (Map)		

#### Discharge Cleanup Summary

<b>Discharge Date:</b>	09/14/1988
<b>Cleanup Required:</b>	R - CLEANUP REQUIRED
<b>Discharge Cleanup Status:</b>	SRCR - SRCR COMPLETE
<b>Discharge Cleanup Stat Date:</b>	10/23/2012
<b>Eligibility Indicator:</b>	E - ELIGIBLE
<b>Site Manager:</b>	TRUEBLOOD_K
<b>Site Manager End Date:</b>	10/23/2012
<b>Tank Office:</b>	PCTM5 - PETROLEUM CLEANUP TEAM 5

#### Contaminated Media

<b>Contaminated Drinking Wells:</b>	0
<b>Contaminated Mntring Wells:</b>	YES
<b>Contaminated Soil:</b>	NO
<b>Contaminated Surface Water:</b>	NO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Contaminated Ground Water:** NO  
**Pollutant:** Z - Other Non Regulated  
**Other Description:** DISSOLVED HYDROCA  
**Gallons Discharged:**

**Petroleum Cleanup Program Eligibility**

**Cleanup Program:** E - EARLY DETECTION INCENTIVE  
**Eligibility Status:** ELIGIBLE

**Task Info**

<b>SA Task ID:</b>	15340	<b>SR Soil Treatment:</b>	
<b>SA Cleanup Resp:</b>	RP - RESPONSIBLE PARTY	<b>SR Other Treatment:</b>	
<b>SA Actual Cost:</b>		<b>SR Alt Proc Rec:</b>	
<b>SA Complete Date:</b>	06-19-1996	<b>RAP Task ID:</b>	15341
<b>SA Payment Date:</b>		<b>RAP Clean Resp ID:</b>	RP - RESPONSIBLE PARTY
<b>SR Task ID:</b>	15339	<b>RAP Actual Cost:</b>	
<b>SR Cleanup Resp:</b>	RP - RESPONSIBLE PARTY	<b>RAP Complete Date:</b>	09-25-2002
<b>SR Actual Cost:</b>		<b>RAP Payment Date:</b>	
<b>SR Complete Date:</b>		<b>RAP Last Ord Appr:</b>	
<b>SR Payment Date:</b>		<b>RA Task ID:</b>	15342
<b>SR Oral Date:</b>		<b>RA Cleanup Resp:</b>	RP - RESPONSIBLE PARTY
<b>SR Written Date:</b>		<b>RA Yrs to Complete:</b>	0
<b>SR Soil Removal:</b>		<b>RA Actual Cost:</b>	
<b>SR Free Prod Rmvl:</b>		<b>Tank Office:</b>	PCTM5 - Team 5
<b>SR Soil Ton Remove:</b>			
<b>SR Fund Elig Type:</b>	-		
<b>SA Fund Elig Type:</b>	-		
<b>RAP Fund Elig Type:</b>	-		
<b>RA Fund Elig Type:</b>	-		
<b>SR Alternate Procedure Status:</b>			
<b>SR Alt Procedure Status Dt:</b>			
<b>SR Alt Procedure Comment:</b>			
<b>SRC Action Type:</b>	SRCR - SITE REHABILITATION COMPLETION REPORT		
<b>SRC Submit Date:</b>	30-Jan-2012 00:00:00		
<b>SRC Review Date:</b>	03-08-2012		
<b>SRC Complete Status:</b>	A - APPROVED		
<b>SRC Comp Status Dt:</b>	10-23-2012		
<b>SRC Issue Date:</b>	10-23-2012		
<b>SRC Comments:</b>			

**Petroleum Cleanup Funding Cap Encumbrance to Date**

**FCFS:** \$100,137.45  
**LPSPASM:** \$0.00  
**SPASM:** \$0.00  
**NPDES:** \$0.00  
**Utility 1 Time Payments:** \$9,604.29  
**All Wo Ta Co Pos Encumbered:** \$585,783.36  
**Wo Ta Co Pos Exclu from Cap:** \$0.00  
**Ttl Amnt Encumbered to Date:** \$695,525.10  
**Ttl Amnt Encumbered Towar:** \$695,525.10

**Petroleum Cleanup PCT Facility Score**

**Related Party ID:** 4045  
**RP Contact:** ANDREW BURRESS  
**Facility Cleanup Status:** CMPL - COMPLETED  
**Bad Address Indicator:** N

**Discharge Info (Map)**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Discharge:</b>	6186				<b>Eligibility:</b>	ELIGIBLE
<b>Discharge 1:</b>	14-Sep-1988				<b>Eligibility 1:</b>	EDI
<b>Discharge 2:</b>	75				<b>Report Pha:</b>	COMPLETED
<b>Discharge 3:</b>	SRCR				<b>Report Sub:</b>	COMPLETED
<b>General Cl:</b>	CLOSURE				<b>Report S 1:</b>	23-Oct-2012
<b>Disch Clea:</b>	23-Oct-2012				<b>Staff Assi:</b>	
<b>Tank Offic:</b>	PETROLEUM CLEANUP TEAM 5					

**AST UST Discharges**

<b>Dep Co:</b>	P	<b>Long SS:</b>	39
<b>CU Req:</b>	R	<b>CU Stat:</b>	
<b>Score:</b>	00075	<b>Stat Desc:</b>	SRCR COMPLETE
<b>Descrip:</b>	CLEANUP REQUIRED	<b>Fac Name:</b>	CIRCLE K #2722432
<b>Discharge Date:</b>	14-SEP-88	<b>Fac Type:</b>	A
<b>Score Date:</b>	17-JUN-2010	<b>Type Desc:</b>	Retail Station
<b>Stat Date:</b>	23-OCT-2012	<b>Fac Addr:</b>	585 SW 6TH ST (HWY 121 & HWY 231)
<b>LL Meth:</b>	AGPS	<b>Fac City:</b>	LAKE BUTLER
<b>Lat DD:</b>	30	<b>Fac Zip:</b>	32054
<b>Lat MM:</b>	1	<b>County:</b>	63
<b>Lat SS:</b>	2	<b>Fac State:</b>	OPEN
<b>Long DD:</b>	82	<b>Fac Phone:</b>	9197746700
<b>Long MM:</b>	20		
<b>Prg Desc:</b>	EARLY DETECTION INCENTIVE		

**Eligible Discharges**

<b>Program:</b>	EDI
<b>Current Status:</b>	CLOSED
<b>Discharge Date:</b>	09/14/1988
<b>Score:</b>	75
<b>Facility:</b>	CIRCLE K #2722432
<b>Address:</b>	585 SW 6TH ST (HWY 121 & HWY 231)
<b>City:</b>	LAKE BUTLER
<b>Zip:</b>	32054
<b>County:</b>	UNION
<b>Owner:</b>	CIRCLE K STORES INC
<b>Owner Address:</b>	1100 Situs Ct
<b>Owner City:</b>	Raleigh
<b>Owner State:</b>	NC
<b>Owner Zip:</b>	27606
<b>Owner Phone:</b>	(919)610-0734
<b>Owner Email:</b>	ABURRESS@CIRCLEK.COM

<a href="#">17</a>	2 of 5	SW	0.41 / 2,180.18	136.05 / 0	HANDY WAY FOOD STORE #2432 585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054	DEL CONTAM SITE
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<b>Prgm Site ID:</b>	8517157	<b>Record Date:</b>	
<b>Remedi Status:</b>	ACTIVE	<b>County:</b>	UNION
<b>Priority Score:</b>	56	<b>Method:</b>	DPHO
<b>Program Area:</b>	Petroleum	<b>Datum:</b>	HARN
<b>Program Eligible:</b>	Y	<b>Lat DD:</b>	30
<b>Ineligible:</b>		<b>Lat MM:</b>	1
<b>Offsite Contam:</b>	Y	<b>Lat SS:</b>	5.8238
<b>Dt Known Offsite:</b>		<b>Long DD:</b>	82
<b>Proj Manager:</b>	TRUEBLOOD_K	<b>Long MM:</b>	20
<b>Office District:</b>	PCTM5	<b>Long SS:</b>	39.3702
<b>Original Source:</b>	CS		
<b>Record Date:</b>	31-MAR-2015		

<a href="#">17</a>	3 of 5	SW	0.41 / 2,180.18	136.05 / 0	HANDY WAY FOOD STORE #2432 585 SW 6TH ST (HWY 121 & HWY 231)	DWM CONTAM
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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231)  
LAKE BUTLER FL 32054

<b>Facility ID:</b>	8517157	<b>Contact:</b>	
<b>Site ID:</b>		<b>Phone:</b>	
<b>Program Area:</b>	Petroleum	<b>Method:</b>	
<b>Facility Type:</b>		<b>Datum:</b>	
<b>Fac Type:</b>		<b>Related Party ID:</b>	
<b>County ID:</b>		<b>Primary RP Role:</b>	
<b>Ftc1 Fac Type ID:</b>		<b>RP Begin Date:</b>	
<b>Stcm Facility Type:</b>		<b>RP Address1:</b>	
<b>District:</b>		<b>RP Address2:</b>	
<b>Site Status:</b>		<b>RP City:</b>	
<b>Section:</b>		<b>RP State:</b>	
<b>Township:</b>		<b>RP Zip5:</b>	
<b>County:</b>	UNION	<b>RP Zip4:</b>	
<b>Range:</b>		<b>RP Phone:</b>	
<b>Rank:</b>		<b>RP Extension:</b>	
<b>Operator:</b>		<b>RP Bad Addr Ind:</b>	
<b>Name Changed:</b>		<b>RP Name:</b>	
<b>Addr Changed:</b>			
<b>Facility Name:</b>			
<b>Description:</b>			

**Program Details**

<b>Facility Status:</b>	ACTIVE	<b>Staff Assigned:</b>	
<b>Offsite Contam:</b>	Y	<b>Priority:</b>	
<b>Priority Score:</b>	56	<b>Score Effective Dt:</b>	
<b>Project Coordinato:</b>	TRUEBLOOD_K	<b>Score When Ranked:</b>	
<b>Program Eligible:</b>	Y	<b>District:</b>	PCTM5
<b>Ineligible:</b>		<b>Datum:</b>	HARN
<b>Program Area:</b>		<b>Method:</b>	DPHO
<b>Site Manager:</b>		<b>Lat DD:</b>	30
<b>Discharge Date:</b>		<b>Lat MM:</b>	1
<b>Discharge Eligibil:</b>		<b>Lat SS:</b>	5.8238
<b>Eligibility Program:</b>		<b>Long DD:</b>	82
<b>Cleanup Status:</b>		<b>Long MM:</b>	20
<b>Closure Type:</b>		<b>Long SS:</b>	39.3702
<b>Closure Date:</b>			

<a href="#">17</a>	4 of 5	SW	0.41 / 2,180.18	136.05 / 0	CIRCLE K #2722432 585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054	STCS
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<b>Facility ID:</b>	8517157	<b>Zip5 (Open Data):</b>	32054
<b>Type:</b>	A - Retail Station	<b>CountyID(OpenData):</b>	63
<b>Status:</b>	Open	<b>County (Open Data):</b>	UNION
<b>County:</b>	UNION	<b>Contam (Map):</b>	
<b>Fac Stat(OpenData):</b>	OPEN	<b>Fac Type (Map):</b>	Retail Station
<b>Fac Code(OpenData):</b>	A	<b>Fac Stat (Map):</b>	OPEN
<b>Fac Type(OpenData):</b>	Retail Station	<b>Status (Map):</b>	REVIEWED
<b>Clnup Cd(OpenData):</b>	CMPL	<b>City (Map):</b>	LAKE BUTLER
<b>Clnup Dt(OpenData):</b>	2012/11/04	<b>County (Map):</b>	63
<b>Status (Open Data):</b>	REVIEWED	<b>Zip5 (Map):</b>	32054
<b>City (Open Data):</b>	LAKE BUTLER	<b>Zip4 (Map):</b>	9323
<b>Fac Name(Open Data):</b>	CIRCLE K #2722432		
<b>Address (Open Data):</b>	585 SW 6TH ST (HWY 121 & HWY 231)		
<b>Fac Cleanup Stat(Open Data):</b>	COMPLETED		
<b>Name (Map):</b>	CIRCLE K #2722432		
<b>Address (Map):</b>	585 SW 6TH ST (HWY 121 & HWY 231)		

**FDEP Storage Tank Monitoring Open Data Details**

<b>Object ID:</b>	8905	<b>Map Src:</b>	1994 doqs
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
X:	-82.3442695000013				Map Scale:	1573
Y:	30.0182843888916				Elevation:	
Regulated:	YES				EI Datum:	
Col Meth:	DPHO				EI Resolut:	
Col Name:	CALTA_H				EI Units:	
Col Date:	19-Sep-2003				ALB East:	559500.76
Col Prog:	TANKS-PETROLEUM CONTAMINATION				ALB North:	668981.5700000001
Ver Meth:	DPHO				Loc ID:	11688
Ver Name:	CALTA_H				Lat DD:	30
Ver Prog:	TANKS-PETROLEUM CONTAMINATION				Lat MM:	1
Ver Date:	19-Sep-2003				Lat SS:	
OOIC:	FACILITY				Long DD:	82
Rel Feat:	EXACT				Long MM:	20
Datum:	HARN				Long SS:	
Coord Acc:	4					
Col Aff:	CONTRACTOR					
Ver Aff:	CONTRACTOR					
Direct:						
Documents:	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517157/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517157/gis-facility!search</a>					

#### FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	11688	Rel Feat:	EXACT
Site Type:	Retail Station	EI Datum:	
Contam Ind:		EI Resolut:	
Phone:	9197746700	EI Units:	
Operator:	GRAHAM BIGGS	Map Src:	1994 doqs
Next action:	PLACARD 27-JUN-2023	Map Scale:	1573
Fin Respon:		Coord Acc:	4
Office:	NED	Alb East:	559500.76
OOIC:	FACILITY	Alb North:	668981.5700000001
Col Meth:	DPHO	Datum:	HARN
Col Name:	CALTA_H	Elevation:	
Col Date:	9/19/2003	Lat DD:	30
Col Prog:	TANKS-PETROLEUM CONTAMINATION	Lat MM:	1
Ver Meth:	DPHO	Lat SS:	
Ver Name:	CALTA_H	Long DD:	82
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	Long MM:	20
Ver Date:	9/19/2003	Long SS:	
Object ID:	11688		
Col Aff:	CONTRACTOR		
Ver Aff:	CONTRACTOR		
Documents:	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517157/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8517157/gis-facility!search</a>		

#### FDEP - Storage Tank Contamination Monitoring (STCM) Details

Name:	Circle K #2722432 585 Sw 6th St (Hwy 121 & Hwy 231) Lake Butler, FL 32054- 9323
LL Method:	DPHO - Autonomous GPS
Account Owner:	Circle K Stores Inc
Contact:	Graham Biggs
Phone:	919-774-6700
District:	NED
County 1:	63 - Union
Latitude:	30:01:05.8238
Longitude:	82:20:39.3702

#### FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details

Tank No:	5
Size:	15000
Content:	Unleaded Gas
Installed:	06/01/1997
Placement:	UNDER
Status:	In Service

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Construction:</b>		A - Ball Check Valve				
		E - Fiberglass				
		I - Double Wall				
		M - Spill Containment Bucket				
		O - Tight Fill				
<b>Piping:</b>		C - Fiberglass				
		F - Double Wall				
		J - Pressurized Piping System				
		K - Dispenser Liners				
<b>Monitoring:</b>		2 - Visual Inspect Pipe Sumps				
		4 - Visual Inspect Dispenser Liners				
		F - Monitor Dbl Wall Tank Space				
		H - Mechanical Line Leak Detector				
		K - Monitor Dbl Wall Pipe Space				

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

<b>Tank No:</b>	4
<b>Size:</b>	12000
<b>Content:</b>	Unleaded Gas
<b>Installed:</b>	06/01/1997
<b>Placement:</b>	UNDER
<b>Status:</b>	In Service
<b>Construction:</b>	A - Ball Check Valve
	E - Fiberglass
	I - Double Wall
	M - Spill Containment Bucket
	O - Tight Fill
<b>Piping:</b>	C - Fiberglass
	F - Double Wall
	J - Pressurized Piping System
	K - Dispenser Liners
<b>Monitoring:</b>	2 - Visual Inspect Pipe Sumps
	4 - Visual Inspect Dispenser Liners
	F - Monitor Dbl Wall Tank Space
	H - Mechanical Line Leak Detector
	K - Monitor Dbl Wall Pipe Space

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

<b>Tank No:</b>	3
<b>Size:</b>	10000
<b>Content:</b>	Unleaded Gas
<b>Installed:</b>	08/01/1980
<b>Placement:</b>	UNDER
<b>Status:</b>	Removed from Site
<b>Construction:</b>	
<b>Piping:</b>	
<b>Monitoring:</b>	

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

<b>Tank No:</b>	1
<b>Size:</b>	10000
<b>Content:</b>	Unleaded Gas
<b>Installed:</b>	08/01/1980
<b>Placement:</b>	UNDER
<b>Status:</b>	Removed from Site
<b>Construction:</b>	
<b>Piping:</b>	
<b>Monitoring:</b>	

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

<b>Tank No:</b>	2
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Size:		10000				
Content:		Vehicular Diesel				
Installed:		08/01/1980				
Placement:		UNDER				
Status:		Removed from Site				
Construction:						
Piping:						
Monitoring:						

<a href="#">17</a>	5 of 5	SW	0.41 / 2,180.18	136.05 / 0	CIRCLE K #2722432 585 SW 6TH ST (HWY 121 & HWY 231) LAKE BUTLER FL 32054	DWM CONTAM
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Facility ID:	8517157	Contact:	
Site ID:	8517157	Phone:	
Program Area:		Method:	
Facility Type:		Datum:	
Fac Type:		Related Party ID:	
County ID:	63	Primary RP Role:	
Ftc1 Fac Type ID:	A	RP Begin Date:	
Stcm Facility Type:	A	RP Address1:	
District:	NED	RP Address2:	
Site Status:		RP City:	
Section:	31	RP State:	
Township:	5	RP Zip5:	
County:	Union	RP Zip4:	
Range:	20	RP Phone:	
Rank:		RP Extension:	
Operator:		RP Bad Addr Ind:	
Name Changed:		RP Name:	
Addr Changed:			
Facility Name:	CIRCLE K #2722432		
Description:	Retail Station		

**Program Details**

Facility Status:		Staff Assigned:	
Offsite Contam:		Priority:	
Priority Score:	75	Score Effective Dt:	
Project Coordinato:		Score When Ranked:	
Program Eligible:		District:	
Ineligible:		Datum:	0
Program Area:	PETROLEUM	Method:	AGPS
Site Manager:		Lat DD:	30
Discharge Date:	9/14/1988	Lat MM:	1
Discharge Eligibil:	E	Lat SS:	2
Eligibility Progm:	EDI	Long DD:	82
Cleanup Status:	CLOSED-STCM	Long MM:	20
Closure Type:	SRCR	Long SS:	39
Closure Date:	10/23/2012		

<a href="#">18</a>	1 of 1	WSW	0.44 / 2,301.09	138.10 / 2	LAKE BUTLER CTY WWTF SW SR 121 LAKE BUTLER FL 32054	STCS
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Facility ID:	9806957	Zip5 (Open Data):	32054
Type:	H - Local Government	CountyID(OpenData):	63
Status:	Open	County (Open Data):	UNION
County:	UNION	Contam (Map):	
Fac Stat(OpenData):	OPEN	Fac Type (Map):	Local Government
Fac Code(OpenData):	H	Fac Stat (Map):	OPEN
Fac Type(OpenData):	Local Government	Status (Map):	REVIEWED
Clnup Cd(OpenData):		City (Map):	LAKE BUTLER
Clnup Dt(OpenData):		County (Map):	63
Status (Open Data):	REVIEWED	Zip5 (Map):	32054

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
City (Open Data):	LAKE BUTLER			Zip4 (Map):	0	
Fac Name(Open Data):	LAKE BUTLER CTY WWTF					
Address (Open Data):	SW SR 121					
Fac Cleanup Stat(Open Data):						
Name (Map):	LAKE BUTLER CTY WWTF					
Address (Map):	SW SR 121					

**FDEP Storage Tank Monitoring Open Data Details**

Object ID:	59463	Map Src:	1999 doqs
X:	-82.3456688888908	Map Scale:	3051
Y:	30.018926194448	Elevation:	
Regulated:	YES	EI Datum:	
Col Meth:	DPHO	EI Resolut:	
Col Name:	BAIN_W	EI Units:	
Col Date:	01-Nov-2005	ALB East:	559364.54
Col Prog:	TANKS-PETROLEUM CONTAMINATION	ALB North:	669050.97
Ver Meth:	DPHO	Loc ID:	60395
Ver Name:	BAIN_W	Lat DD:	30
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	Lat MM:	1
Ver Date:	01-Nov-2005	Lat SS:	
OOIC:	FACILITY	Long DD:	82
Rel Feat:	APPRX	Long MM:	20
Datum:	HARN	Long SS:	
Coord Acc:	4		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Direct:			
Documents:	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9806957/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9806957/gis-facility!search</a>		

**FDEP Open Data - Storage Tank Contamination Monitoring (STCM)**

Loc ID:	60395	Rel Feat:	APPRX
Site Type:	Local Government	EI Datum:	
Contam Ind:		EI Resolut:	
Phone:	3864964853	EI Units:	
Operator:	STAN YOUNG	Map Src:	1999 doqs
Next action:	PLACARD 20-JUN-2023	Map Scale:	3051
Fin Respon:		Coord Acc:	4
Office:	NED	Alb East:	559364.54
OOIC:	FACILITY	Alb North:	669050.97
Col Meth:	DPHO	Datum:	HARN
Col Name:	BAIN_W	Elevation:	
Col Date:	11/1/2005	Lat DD:	30
Col Prog:	TANKS-PETROLEUM CONTAMINATION	Lat MM:	1
Ver Meth:	DPHO	Lat SS:	
Ver Name:	BAIN_W	Long DD:	82
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	Long MM:	20
Ver Date:	11/1/2005	Long SS:	
Object ID:	60395		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PROTECTION		
Documents:	<a href="https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9806957/gis-facility!search">https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9806957/gis-facility!search</a>		

**FDEP - Storage Tank Contamination Monitoring (STCM) Details**

Name:	Lake Butler Cty Wwtf Sw Sr 121 Lake Butler, FL 32054
LL Method:	DPHO
Account Owner:	Lake Butler City
Contact:	Stan Young
Phone:	386-496-4853
District:	NED
County 1:	63 - Union
Latitude:	30:01:08.1343

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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Longitude: 82:20:44.4080

**FDEP - Registered Tanks from Storage Tank Contamination Monitoring (STCM) Details**

**Tank No:** 1  
**Size:** 1300  
**Content:** Vehicular Diesel  
**Installed:** 07/01/1998  
**Placement:** ABOVE  
**Status:** In Service  
**Construction:** C - Steel  
 I - Double Wall  
 M - Spill Containment Bucket  
 P - Level Gauges/Alarms  
**Piping:** X - No Piping Associated W/Tank  
**Monitoring:** F - Monitor Dbl Wall Tank Space  
 M - Manual Tank Gauging - Usts  
 Q - Visual Inspection Of Asts

# Unplottable Summary

Total: 1 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
RCRA VSQG	SUNOCO SERVICE STATION #08782492	2080 W MAIN ST <i>EPA Handler ID: FLR000084533</i>	LAKE BUTLER FL	32054	810648387

# Unplottable Report

**Site:** SUNOCO SERVICE STATION #08782492  
2080 W MAIN ST LAKE BUTLER FL 32054

RCRA VSQG

**EPA Handler ID:** FLR000084533  
**Gen Status Universe:** VSG  
**Contact Name:** MAHA RIFAI  
**Contact Address:** 1801 , MARKET ST , , PHILADELPHIA , PA, 19103-1628 , US  
**Contact Phone No and Ext:** 215-977-6379  
**Contact Email:**  
**Contact Country:** US  
**County Name:** UNION  
**EPA Region:** 04  
**Land Type:** Private  
**Receive Date:** 20020130  
**Location Latitude:** 30.022722  
**Location Longitude:** -82.340513

## Violation/Evaluation Summary

**Note:** NO RECORDS: As of Jul 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

## Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

## Hazardous Waste Handler Details

**Sequence No:** 200201  
**Receive Date:** 20020130  
**Handler Name:** SUNOCO SERVICE STATION #08782492  
**Federal Waste Generator Code:** 3  
**Generator Code Description:** Very Small Quantity Generator  
**Source Type:** Notification

## Waste Code Details

**Hazardous Waste Code:** D001  
**Waste Code Description:** IGNITABLE WASTE  
  
**Hazardous Waste Code:** D018  
**Waste Code Description:** BENZENE

**Owner/Operator Details**

**Owner/Operator Ind:** Current Owner  
**Type:** Private  
**Name:** SUNOCO INC  
**Date Became Current:** 20020130  
**Date Ended Current:**  
**Phone:**  
**Source Type:** Notification

**Street No:**  
**Street 1:** 1801 MARKET ST  
**Street 2:**  
**City:** PHILADELPHIA  
**State:** PA  
**Country:** US  
**Zip Code:** 19103-1628

# Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:*

*"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."*

## **Standard Environmental Record Sources**

### **Federal**

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

[NPL](#)

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: May 25, 2023**

#### **National Priority List - Proposed:**

[PROPOSED NPL](#)

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: May 25, 2023**

#### **Deleted NPL:**

[DELETED NPL](#)

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: May 25, 2023**

#### **SEMS List 8R Active Site Inventory:**

[SEMS](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

**Government Publication Date: Jul 26, 2023**

**SEMS List 8R Archive Sites:**

[SEMS ARCHIVE](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

**Government Publication Date: Jul 26, 2023**

**Inventory of Open Dumps, June 1985:**

[ODI](#)

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

**Government Publication Date: Jun 1985**

**Comprehensive Environmental Response, Compensation and Liability Information System -**

[CERCLIS](#)

**CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

**Government Publication Date: Oct 25, 2013**

**EPA Report on the Status of Open Dumps on Indian Lands:**

[IODI](#)

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

**Government Publication Date: Dec 31, 1998**

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

[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

**Government Publication Date: Oct 25, 2013**

**CERCLIS Liens:**

[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

**Government Publication Date: Jan 30, 2014**

**RCRA CORRACTS-Corrective Action:**

[RCRA CORRACTS](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

**Government Publication Date: Jul 10, 2023**

**RCRA non-CORRACTS TSD Facilities:**

[RCRA TSD](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by RCRA.

**Government Publication Date: Jul 10, 2023**

**RCRA Generator List:**

[RCRA LQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

**Government Publication Date: Jul 10, 2023**

**RCRA Small Quantity Generators List:**

[RCRA SQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

**Government Publication Date: Jul 10, 2023**

**RCRA Very Small Quantity Generators List:**

[RCRA VSQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

**Government Publication Date: Jul 10, 2023**

**RCRA Non-Generators:**

[RCRA NON GEN](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

**Government Publication Date: Jul 10, 2023**

**RCRA Sites with Controls:**

[RCRA CONTROLS](#)

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

**Government Publication Date: Jul 10, 2023**

**Federal Engineering Controls-ECs:**

[FED ENG](#)

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2021 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Aug 23, 2023**

**Federal Institutional Controls- ICs:**

[FED INST](#)

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2021 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Aug 23, 2023**

**Land Use Control Information System:**

LUCIS

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

**Government Publication Date: Sep 1, 2006**

**Institutional Control Boundaries at NPL sites:**

NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

**Government Publication Date: May 25, 2023**

**Emergency Response Notification System:**

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date: 1982-1986**

**Emergency Response Notification System:**

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date: 1987-1989**

**Emergency Response Notification System:**

ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

**Government Publication Date: Apr 3, 2023**

**The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:**

FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

**Government Publication Date: Sep 13, 2022**

**FEMA Underground Storage Tank Listing:**

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

**Government Publication Date: Dec 31, 2017**

**Facility Response Plan:**

FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

**Government Publication Date: May 2, 2023**

**Delisted Facility Response Plans:**

DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

**Government Publication Date: May 2, 2023**

**Historical Gas Stations:**

[HIST GAS STATIONS](#)

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

**Government Publication Date: Jul 1, 1930**

**Petroleum Refineries:**

[REFN](#)

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

**Government Publication Date: Sep 20, 2023**

**Petroleum Product and Crude Oil Rail Terminals:**

[BULK TERMINAL](#)

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

**Government Publication Date: Jun 29, 2022**

**LIEN on Property:**

[SEMS LIEN](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

**Government Publication Date: Jul 26, 2023**

**Superfund Decision Documents:**

[SUPERFUND ROD](#)

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

**Government Publication Date: May 25, 2023**

**Formerly Utilized Sites Remedial Action Program:**

[DOE FUSRAP](#)

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

**Government Publication Date: Mar 4, 2017**

**State**

**Superfund Waste Cleanup & State-Funded Action Sites:**

[SHWS](#)

List of hazardous waste cleanup sites participating in various federal and state funded cleanup programs. Florida's State-Funded Action Sites and Superfund Waste Cleanup Sites lists are maintained and made available by the Florida Department of Environmental Protection (FDEP). This database is state equivalent CERCLIS.

**Government Publication Date: Sep 18, 2023**

**Delisted State-Funded Action Sites:**

[DELISTED SHWS](#)

This database contains a list of closed hazardous waste sites of various federal and state funded cleanup programs that were removed from the Florida Department of Environmental Protection (FDEP).

**Government Publication Date: Sep 18, 2023**

**ERIC Waste Cleanup:**

[ERIC](#)

Environmental Restoration Integrated Cleanup (ERIC) is a single database for tracking contaminated site cleanup activities in the Florida Department of Environmental Protection (DEP)'s Division of Waste Management (DWM). Includes records from 11 different DEP data systems, allowing tracking of a contaminated site throughout the course of cleanup regardless of which program area took the lead.

**Government Publication Date: Aug 10, 2023**

**Florida Department of Environmental Protection Cleanup Sites:**

[CLEANUP DEP](#)

The Cleanup Sites layer feeds the FDEP's Contamination Locator Map (CLM). It provides locations and document links for sites currently in the cleanup process and sites awaiting cleanup funding. Cleanup programs include: Brownfields, Petroleum, EPA Superfund (CERCLA), Drycleaning, Responsible Party Cleanup, State Funded Cleanup, State Owned Lands Cleanup and Hazardous Waste Cleanup.

**Government Publication Date: Aug 11, 2023**

**Waste Cleanup Responsible Party Sites:**

[WCRPS](#)

List of Open, Closed, and Inactive Waste Cleanup Responsible Party sites made available by the Florida Department of Environmental Protection.

**Government Publication Date: Apr 11, 2021**

**Delisted Waste Cleanup Sites:**

[DELISTED WCP](#)

List of sites which once appeared on - and have since been removed from - the list of Waste Cleanup Sites made available by the Florida Department of Environmental Protection.

**Government Publication Date: Aug 11, 2023**

**Solid Waste Facilities and Landfills:**

[SWF/LF](#)

The Solid Waste Facility Inventory Report made available by the Florida Department of Environmental Protection (FDEP) includes all types of authorized and unauthorized facilities: municipal solid waste, landfills, dumps, construction and demolition disposal, recycling facilities, and more.

**Government Publication Date: May 25, 2023**

**Leaking Tanks:**

[LST](#)

The Storage Tank Regulation Section is part of the Petroleum Restoration Program in the Florida Department of Environmental Protection (FDEP)'s Division of Waste Management. In 1983, Florida was one of the first states in the union to pass legislation and adopt rules for underground and aboveground storage tank systems. Since then, over 28,000 facilities have reported discharges of petroleum products from storage tank systems. Florida relies on groundwater for about 92 percent of its drinking water needs, and has some of the most stringent rules in the country.

**Government Publication Date: Jun 28, 2023**

**Delisted Leaking Tanks:**

[DELISTED LST](#)

Whereas Leaking Tanks (LST) includes only facilities which currently have contamination as recorded by the Florida Department of Environmental Protection, this list contains facilities which were once included in LST data but no longer appear on the list made available by FDEP. Facilities may be removed from the current LST list because the discharge has been cleaned up, or the discharge is not required for 62-770.

**Government Publication Date: Aug 31, 2023**

**Underground Storage Tanks:**

[UST](#)

List of Underground Storage Tank facilities made available by the Florida Department of Environmental Protection (FL DEP). Includes facilities tracked for active storage tanks, storage tank history, or petroleum cleanup activity. In an effort to minimize the occurrence and environmental risks of releases and discharges, FDEP administers standards pertaining to the construction, installation, operation, maintenance, repair, closure, and disposal of underground storage tank systems that store regulated substances.

**Government Publication Date: Aug 11, 2023**

**Aboveground Storage Tanks:**

[AST](#)

List of Aboveground Storage Tank facilities made available by the Florida Department of Environmental Protection (FL DEP). Includes facilities tracked for active storage tanks, storage tank history, or petroleum cleanup activity. The Florida Department of Environmental Protection (FDEP) provides standards for aboveground storage tanks (ASTs) that have individual storage tank capacities greater than 550 gallons. The state also regulates the registration, construction, installation, operation, maintenance, repair, closure, and disposal of storage tank systems that store regulated substances.

**Government Publication Date: Aug 11, 2023**

**Storage Tank Facilities:**

[TANK](#)

List of storage tank facilities made available by the Florida Department of Environmental Protection (FL DEP) for which tank information is not available. In the case of closed facilities - where all tanks have been removed or closed, and there is also no petroleum discharge or on-going cleanup activity - the owner data may not be current, but rather would represent the most recent information made available to FL DEP.

**Government Publication Date: Aug 11, 2023**

**Delisted AST UST Storage Tanks:**

[DEL UST AST TANK](#)

This database contains a list of closed UST and AST storage tank sites that were removed from the Florida Department of Environmental Protection (FDEP) storage tank database.

**Government Publication Date: Jul 2, 2015**

**Delisted Storage Tanks:**

[DEL STORAGE TANK](#)

List of sites that once appeared on - and have since been removed from - the list of UST and AST storage tank facilities made available by the Florida Department of Environmental Protection.

**Government Publication Date: Aug 29, 2023**

**Federal Facilities Listing:**

[FF TANKS](#)

The Florida Department of Environmental Protection (FDEP) Storage Tank Program registers facilities and storage tanks where aboveground or underground storage tanks store pollutants, hazardous substances, and/or mineral acid substances regulated by Chapter 62-761, Florida Administrative Code, or when aboveground storage tanks or compression vessels store a hazardous substance which requires registration according to Chapter 376, Florida Statutes.

**Government Publication Date: Aug 29, 2023**

**Storage Tank/Contaminated Facility Search:**

[STCS](#)

List of facilities and tanks in the Florida Department of Environmental Protection (FDEP) Bureau of Petroleum Storage Systems Storage Tank/Contaminated Facility Search. Note that tank details do not appear for facilities for which all tanks have been removed.

**Government Publication Date: Aug 31, 2023**

**Institutional Controls Registry:**

[INST](#)

The Institutional Controls registry is maintained by the Florida Department of Environmental Protection (FDEP). The registry aims to help preserve adequate protection of contaminated soil regions and help to minimize any chances of exposure.

**Government Publication Date: Aug 11, 2023**

**Engineering Controls:**

[ENG](#)

A listing of all engineering controls that are in place to eliminate or reduce the potential for contaminant migration and exposure to contaminants. These controls may include caps, barriers, guards or fences. The list is maintained by the Florida Department of Environmental Protection (FDEP).

**Government Publication Date: Aug 11, 2023**

**Voluntary Cleanup Sites:**

[VCP](#)

A listing of active and closed voluntary cleanup sites registered by the Florida Department of Environmental Protection (FDEP).

**Government Publication Date: Jul 1, 2022**

**Brownfield Sites:**

[BROWNFIELDS](#)

Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. This is a list of sites within designated Brownfield Areas within Florida where Brownfield Site Rehabilitation Agreement (BSRA)s have been executed between FDEP and a responsible party.

**Government Publication Date: Sep 8, 2021**

**Brownfield Areas:**

[BROWNFIELD AREA](#)

Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. This is a list of Brownfield Areas, defined by the FDEP as contiguous areas of one or more brownfield sites, some of which may not be contaminated, that have been designated as such by a local government resolution. Such areas may include all or portions of community redevelopment areas, enterprise zones, empowerment zones, other such designated economically deprived communities and areas, and Environmental Protection Agency (EPA) designated brownfield pilot projects. Because a variety of sources and methods were used to derive information for this data, locations are approximate.

**Government Publication Date: Aug 3, 2023**

**Hazardous Waste Facility List:**

[HAZ WASTE FAC](#)

List of Hazardous Waste Financial Assurance Facilities made available by the Division of Waste Management of the Florida Department of Environmental Protection (FDEP). The FDEP's Hazardous waste financial responsibility requirements exist to ensure that certain hazardous waste facilities and transporters have the financial resources available to provide for closure, postclosure and corrective action requirements and/or pay for bodily injury or property damage that might result from accidents, spills or other unexpected events, known as liabilities. These closure, postclosure, corrective action and liability requirements are called financial assurance.

**Government Publication Date: Jul 5, 2023**

**Tribal**

**Leaking Underground Storage Tanks on Tribal/Indian Lands:**

[INDIAN LUST](#)

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 4, which includes Florida, is made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date: Apr 20, 2023**

**Underground Storage Tanks on Tribal/Indian Lands:**

[INDIAN UST](#)

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 4, which includes Florida, is made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date: Apr 20, 2023**

**Delisted Tribal Leaking Storage Tanks:**

[DELISTED INDIAN LST](#)

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date: Apr 26, 2023**

**Delisted Tribal Underground Storage Tanks:**

[DELISTED INDIAN UST](#)

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date: Apr 26, 2023**

**County**

**No County databases were selected to be included in the search.**

**Additional Environmental Record Sources**

**Federal**

**Facility Registry Service/Facility Index:**

[FINDS/FRS](#)

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

**Government Publication Date: Mar 2, 2023**

**Toxics Release Inventory (TRI) Program:**

[TRIS](#)

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

**Government Publication Date: Oct 19, 2022**

**PFOA/PFOS Contaminated Sites:**

[PFAS NPL](#)

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

**Government Publication Date: Sep 14, 2023**

**Federal Agency Locations with Known or Suspected PFAS Detections:**

[PFAS FED SITES](#)

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from March 2022 to April 2023. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

**Government Publication Date: Apr 24, 2023**

**SSEHRI PFAS Contamination Sites:**

[PFAS SSEHRI](#)

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map, credited to the Northeastern University's PFAS Project Lab, Silent Spring Institute, and the PFAS-REACH team. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: <https://pfasproject.com/pfas-sites-and-community-resources/>

**Government Publication Date: Oct 9, 2022**

**National Response Center PFAS Spills:**

[ERNS PFAS](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam," "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

**Government Publication Date: Jun 17, 2023**

**PFAS NPDES Discharge Monitoring:**

[PFAS NPDES](#)

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

**Government Publication Date: May 1, 2023**

**Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:**

[PFAS TRI](#)

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment.

**Government Publication Date: Oct 19, 2022**

**Perfluorinated Alkyl Substances (PFAS) Water Quality:**

[PFAS WATER](#)

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.

**Government Publication Date: Jul 20, 2020**

**PFAS TSCA Manufacture and Import Facilities:**

[PFAS TSCA](#)

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

**Government Publication Date: Jan 5, 2023**

**PFAS Waste Transfers from RCRA e-Manifest :**

[PFAS E-MANIFEST](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

**Government Publication Date: Apr 9, 2023**

**PFAS Industry Sectors:**

[PFAS IND](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

**Government Publication Date: Apr 16, 2023**

**Hazardous Materials Information Reporting System:**

[HMIRS](#)

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

**Government Publication Date: Sep 1, 2020**

**National Clandestine Drug Labs:**

[NCDL](#)

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data 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.

**Government Publication Date: Jul 26, 2023**

**Toxic Substances Control Act:**

[TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

**Government Publication Date: Apr 11, 2019**

**Hist TSCA:**

[HIST TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

**Government Publication Date: Dec 31, 2006**

**FTTS Administrative Case Listing:**

**FTTS ADMIN**

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date: Jan 19, 2007**

**FTTS Inspection Case Listing:**

**FTTS INSP**

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date: Jan 19, 2007**

**Potentially Responsible Parties List:**

**PRP**

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

**Government Publication Date: Aug 23, 2023**

**State Coalition for Remediation of Drycleaners Listing:**

**SCRD DRYCLEANER**

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

**Government Publication Date: Nov 08, 2017**

**Integrated Compliance Information System (ICIS):**

**ICIS**

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

**Government Publication Date: Jan 21, 2023**

**Drycleaner Facilities:**

**FED DRYCLEANERS**

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

**Government Publication Date: Apr 15, 2023**

**Delisted Drycleaner Facilities:**

**DELISTED FED DRY**

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

**Government Publication Date: Apr 15, 2023**

**Formerly Used Defense Sites:**

**FUDS**

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset.

**FUDS Munitions Response Sites:**

[FUDS MRS](#)

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: Jul 12, 2022

**Former Military Nike Missile Sites:**

[FORMER NIKE](#)

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

**PHMSA Pipeline Safety Flagged Incidents:**

[PIPELINE INCIDENT](#)

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Dec 30, 2022

**Material Licensing Tracking System (MLTS):**

[MLTS](#)

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

**Historic Material Licensing Tracking System (MLTS) sites:**

[HIST MLTS](#)

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

**Mines Master Index File:**

[MINES](#)

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: May 1, 2023

**Surface Mining Control and Reclamation Act Sites:**

[SMCRA](#)

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into eAMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: Jun 13, 2023

**Mineral Resource Data System:**

[MRDS](#)

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

**Government Publication Date: Mar 15, 2016**

#### **DOE Legacy Management Sites:**

[LM SITES](#)

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

**Government Publication Date: May 25, 2023**

#### **Alternative Fueling Stations:**

[ALT FUELS](#)

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

**Government Publication Date: Aug 30, 2023**

#### **Superfunds Consent Decrees:**

[CONSENT DECREES](#)

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

**Government Publication Date: Apr 19, 2023**

#### **Air Facility System:**

[AFS](#)

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

**Government Publication Date: Oct 17, 2014**

#### **Registered Pesticide Establishments:**

[SSTS](#)

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

**Government Publication Date: Mar 1, 2023**

#### **Polychlorinated Biphenyl (PCB) Transformers:**

[PCBT](#)

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

**Government Publication Date: Oct 15, 2019**

#### **Polychlorinated Biphenyl (PCB) Notifiers:**

[PCB](#)

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

**Government Publication Date: Mar 20, 2023**

## **State**

### **Priority Ranking List:**

**PRIORITYCLEAN**

The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility or wholesale supply facility (Chapter 376, Florida Statutes). The program is administered by the Florida Department of Environmental Protection (FDEP). The statute was sponsored by the drycleaning industry to address environmental, economic, and liability issues resulting from drycleaning solvent contamination. The program provides limited liability protection to the owner, operator and real property owner of drycleaning or wholesale supply facilities for cleanup of drycleaning solvent contamination if the parties meet the eligibility conditions stated in the law.

**Government Publication Date: Aug 11, 2023**

### **Dry Cleaning Facilities:**

**DRYCLEANERS**

A listing of dry cleaning facilities registered with the Florida Department of Environmental Protection (FDEP). The information contains facility identification number, site location information, related party (owner) information, and facility type and status. Data is taken from the Storage Tank & Contamination Monitoring database, the registration repository of dry cleaner facility data.

**Government Publication Date: Apr 13, 2023**

### **Delisted Dry Cleaning Facilities:**

**DELISTED DRYCLEANERS**

List of sites removed from the drycleaners database made available by the Florida Department of Environmental Conservation (DEC).

**Government Publication Date: Apr 13, 2023**

### **Historical Dry Cleaners:**

**HISTORICAL DRYC**

The Florida Department of Environmental Protection (FDEP) provided this historical database of regulated and non-regulated dry cleaning facilities. These facilities were at one time tracked and registered by the FDEP OCULUS Electronic Document Management System as "drums" in the underground storage tank database.

**Government Publication Date: Aug 2, 2013**

### **Oil and Hazardous Materials Incidents:**

**SPILLS**

Statewide listing of oil and hazardous materials spills and incidents recorded by the Florida Department of Environmental Protection (FDEP).

**Government Publication Date: Jul 26, 2023**

### **Contaminated Sites:**

**DWM CONTAM**

Florida Department of Environmental Protection (FDEP) Division of Waste Management (DWM) listing of active or known sites that include sites requiring cleanup but are not actively being worked on due to the agency's lack of funding (primarily petroleum and drycleaning).

**Government Publication Date: Jul 14, 2023**

### **Delisted Contaminated Sites:**

**DEL CONTAM SITE**

List of sites which were once included on the Florida Department of Environmental Protection (FDEP) Division of Waste Management (DWM)'s Contaminated Sites list. As sites on the Contaminated Sites (CS) list are cleaned up or closed under risk based corrective action, they are removed from the CS list.

**Government Publication Date: Sep 30, 2015**

### **Aqueous Film Forming Foam (AFFF):**

**PFAS AFFF**

A list of fire fighter training facilities that use or possibly used Aqueous Film Forming Foam (AFFF). This list is made available by the Florida Department of Environmental Protection (DEP).

**Government Publication Date: May 31, 2023**

### **PFAS Investigation at Federal Facilities:**

**PFAS**

List of sites - including Federal Facilities - in Florida at which either a) there has been confirmed or suspected usage of Aqueous Film Forming Foam (AFFF), or b) the Division of Waste Management has identified as a potential source or environmental impact related to per- and polyfluoroalkyl substances (PFAS). The Florida Department of Environmental Protection (DEP) is committed to the protection of the groundwater resources of the state and the public health and safety of residents. The DEP will continue its efforts to investigate and understand PFAS in the environment and the ecological and human health risks associated with PFAS contamination. Listings made available by the Florida Department of Environmental Protection (DEP).

*Government Publication Date: Aug 23, 2023*

**Ground Water Contamination Areas:**

[GW CONTAM](#)

List of areas of known groundwater contamination made available by the Florida Department of Environmental Protection (DEP). 38 counties have been delineated primarily for the agricultural pesticide ethylene dibromide (EDB), and to a much lesser extent, volatile organic and petroleum contaminants. Permitted water wells in these areas must meet specific well construction criteria and water testing prior to well use. This dataset only indicates the presence or absence of specific groundwater contaminants and does not represent all known sources of groundwater contamination in the state of Florida.

*Government Publication Date: Jul 12, 2023*

**Underground Injection Control Wells:**

[UIC](#)

Class I Underground Injection Control (UIC) wells that are currently or were previously active, as well as proposed sites, regulated by the Florida Department of Environmental Protection (FDEP). Class I UIC wells are used to inject nonhazardous waste, hazardous waste (new hazardous waste wells were banned in 1983), or municipal waste below the lowermost underground source of drinking water.

*Government Publication Date: Jul 31, 2023*

**Well Surveillance Program Facilities:**

[WELL SURVEILLANCE](#)

List of facilities made available by the Florida Health Well Surveillance group. The Well Surveillance group manages several programs to identify and monitor areas in Florida where contaminated drinking water is suspected and may pose a threat to public health. The section coordinates with the County Health Departments (CHDs) to locate potable wells and conduct water sampling for contaminants of concern. The Well Surveillance Section is composed of the State Underground Petroleum Environmental Response Act (SUPER Act), Drinking Water Toxics Program (Toxics), Drycleaner Solvent Cleanup Program (DSCP). Includes locations of known cattle dipping vats.

*Government Publication Date: Jul 20, 2023*

**Cattle Dip Vats:**

[CDV SOUTHEAST](#)

A list of Cattle Dip Vats in Southeast Florida made available by the Florida Department of Environmental Protection.

*Government Publication Date: Jan 19, 2017*

**Tier 2 Report:**

[TIER 2](#)

A list of Tier 2 facilities in the state of Florida. The list tracks the inventory of chemicals within a particular facility. This list is provided by the Florida Division of Emergency Management.

*Government Publication Date: Mar 6, 2023*

**Delisted County Records:**

[DELISTED COUNTY](#)

Records removed from county databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

*Government Publication Date: Aug 10, 2023*

**Tribal**

*No Tribal additional environmental record sources available for this State.*

**County**

*No County additional environmental databases were selected to be included in the search.*

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

**APPENDIX E – HISTORICAL RECORDS DOCUMENTATION**



# CHAIN OF TITLE & **LIEN SEARCHES**

**Project Property:** *SW 1ST ST AND SW 1ST AVE LAKE BUTLER  
LAKE BUTLER, FL 32054*

**Order No:** *23100900124*

**Date Completed:** *10/12/2023*

Title to the estate or interest covered by this report appears to be vested in:  
*UNION COUNTY, FL*

The following is the current property legal description (See deed for full legal description):

*LOT 45 BLK 17 N OF RR, ORIG TOWN*

Assessor's Parcel Number(s):

*30-05-20-13-017-0440-0*

**Environmental Risk Information Services**

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

# ENVIRONMENTAL LIEN TO 1980 REPORT

Order No: 23100900124

## TARGET PROPERTY INFORMATION

### ADDRESS

SW 1ST ST AND SW 1ST AVE LAKE BUTLER  
LAKE BUTLER, FL 32054

### RESEARCH SOURCES

RECORDER: UNION COUNTY RECORDER'S OFFICE

ASSESSOR: UNION COUNTY ASSESSOR'S OFFICE

STATE: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FEDERAL: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OTHER: JUDICIAL RECORDS NOT SEARCHED. BASED ON AVAILABLE INFORMATION EVALUATED BY THE TITLE SEARCH PROFESSIONAL, THE JURISDICTION DOES NOT REQUIRE A SEARCH OF JUDICIAL RECORDS IN ORDER TO IDENTIFY ENVIRONMENTAL LIENS.

NOTES: PUBLIC RECORDS OF UNION COUNTY, FL WERE SEARCHED FROM JANUARY 1, 1980 TO OCTOBER 9, 2023, AND NO OTHER DEEDS VESTING TITLE IN THE SUBJECT PROPERTY WERE FOUND OF RECORD DURING THE PERIOD SEARCHED.

# ENVIRONMENTAL LIEN TO 1980 REPORT

Order No: 23100900124

## ENVIRONMENTAL LIENS

Environmental Lien:  NOT FOUND

## ACTIVITY AND USE LIMITATIONS (AULs)

AULs:  NOT FOUND

# ENVIRONMENTAL LIEN TO 1980 REPORT

Order No: 23100900124

## CHAIN OF TITLE TO 1980

Comments: NO DEED FOUND 1980 - PRESENT.

# ENVIRONMENTAL LIEN TO 1980 REPORT

Order No: 23100900124

## MISCELLANEOUS

1. 1<sup>st</sup> Party: UNION COUNTY, FL  
2<sup>nd</sup> Party: STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Dated: 09/14/1994  
Recorded Date: 09/23/1994  
Instrument #: BOOK 107 / PAGE 659  
Instrument Type: PERMISSION TO ENTER PROPERTY  
Comments:

# ENVIRONMENTAL LIEN TO 1980 REPORT

Order No: 23100900124

The ERIS Environmental Lien Search Report to 1980 provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied property information to:

- Search for parcel information and / or legal description
- Search for ownership information
- Research official land title documents recorded at jurisdictional agencies such as recorder's office, registries of deeds, county clerks' offices, etc.
- Access copies of deeds to 1980
- Search for environmental encumbrance(s) associated with the deeds
- Provide a copy of any environmental encumbrance(s) based upon a review of keywords in the instrument(s) (title, parties involved and description)
- Provide a copy of the deeds or cite documents reviewed

## **Thank You for Your Business**

Please contact ERIS at **416-510-5204** or **info@erisinfo.com**  
with any questions or comments

## **LIMITATION**

This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. ERIS – Environmental Risk Information Services does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from various agencies that make it available. The total liability is limited to the fee paid for this report.



# **MISCELLANEOUS EXHIBIT**

PERMISSION TO ENTER PROPERTY

# 27074  
FILED & RECORDED  
OR 107 IN OFFICE Pg. 659  
24 SEP 23 AM 8:30

1. The undersigned, Union Co. Bd Co. Comm, ("undersigned") hereby gives permission to the State of Florida Department of Environmental Protection ("Department") and contractors to enter the undersigned's property ("the property") located at Block 17, Lot 44 & Lot 45, North 100', Lake Butler, Florida REGINA L. FARRISH  
CIRCUIT COURT  
DUVAL COUNTY, FL.

2. This permission is specifically limited to the following activities that may be performed by the Department, its agents or contractors.

- A: install groundwater and vapor recovery wells with a drill rig. Wells are to be finished at grade with traffic bearing locked vaults.
- B: install groundwater and vapor remediation equipment and utilities. Utilities to be installed in shallow trenches meeting all applicable Federal, State and local codes. Equipment to be installed in locked fenced compounds.
- C: Weekly and monthly site visits by the "Department's" agents and contractors for the purpose of maintaining in operating condition all remedial equipment and obtaining groundwater and vapor samples for analysis.

3. The granting of this permission by the undersigned is not intended, nor should it be construed as an admission of liability on the part of the undersigned or the undersigned's successors and assigns for any contamination previously discovered on the property.

4. The Department, its agents or contractors may enter the property during normal business hours and may also make special arrangements to enter the property at other times after agreement from the undersigned.

5. The undersigned shall not be liable for any injury, damage or loss on the property suffered by the Department, its agents or employees not caused by negligence or intentional acts of the undersigned's agents or employees.

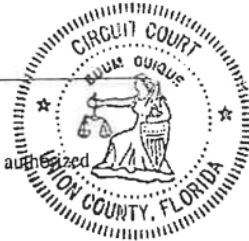
6. The Department acknowledges and accepts responsibility under applicable law ( Section 768.28, Florida Statutes) for damages caused by the acts of its employees while on the property.

John Beaufort  
Witness

M. Wayne Smith  
Chairman Bd Co. Comm.  
(Name of Undersigned)

14 Sept 94  
Date

Sept 14, 1994  
Date



Accepted by the State of Florida Department of Environmental Protection by the following authorized agent:

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Name and Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

O.R. BOOK 107 PAGES 659



# HISTORICAL AERIALS

**Project Property:** Vacant County Parcel  
sw 1st st and sw 1st ave lake butler  
Lake Butler FL 32054

**Project No:** 20165101 - Task 15

**Requested By:** PPM Consultants, Inc.

**Order No:** 23100900124

**Date Completed:** October 11,2023

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

## **Environmental Risk Information Services**

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

<b>Date</b>	<b>Source</b>	<b>Scale</b>	<b>Comments</b>
2021	United States Department of Agriculture	1" = 500'	
2019	United States Department of Agriculture	1" = 500'	
2017	United States Department of Agriculture	1" = 500'	
2015	United States Department of Agriculture	1" = 500'	
2013	United States Department of Agriculture	1" = 500'	
2010	United States Department of Agriculture	1" = 500'	
2007	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
1999	United States Geological Survey	1" = 500'	
1995	United States Geological Survey	1" = 500'	
1987	Florida Department of Transportation	1" = 500'	
1981	Florida Department of Transportation	1" = 500'	
1978	Florida Department of Transportation	1" = 500'	
1971	Florida Department of Transportation	1" = 500'	
1965	Agricultural Stabilization & Conserv. Service	1" = 500'	
1958	Agricultural Stabilization & Conserv. Service	1" = 500'	
1949	Agricultural Stabilization & Conserv. Service	1" = 500'	
1938	Agricultural Stabilization & Conserv. Service	1" = 500'	

**Environmental Risk Information Services**

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500  
Feet



Year: 2021  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



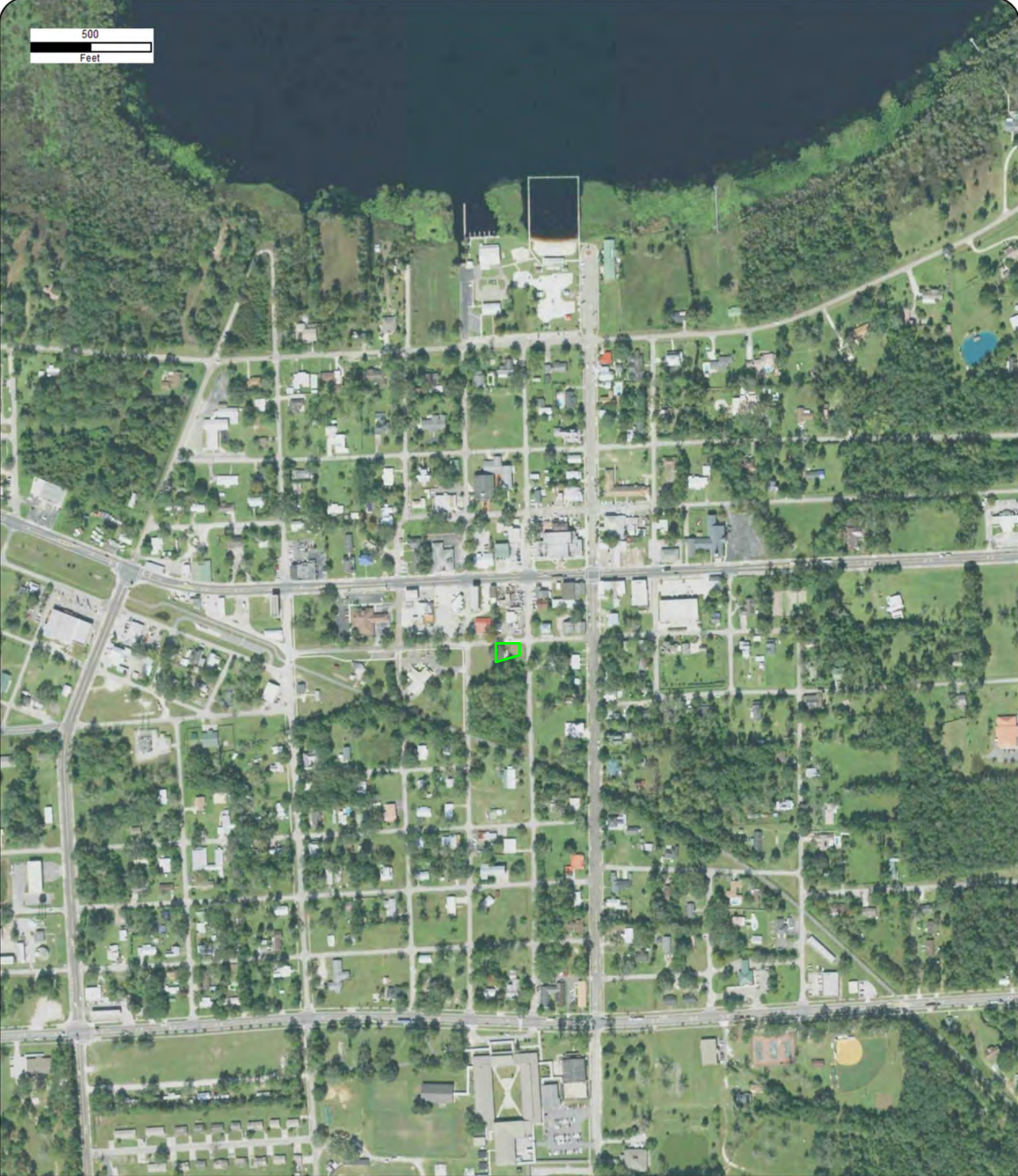
Year: 2019  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



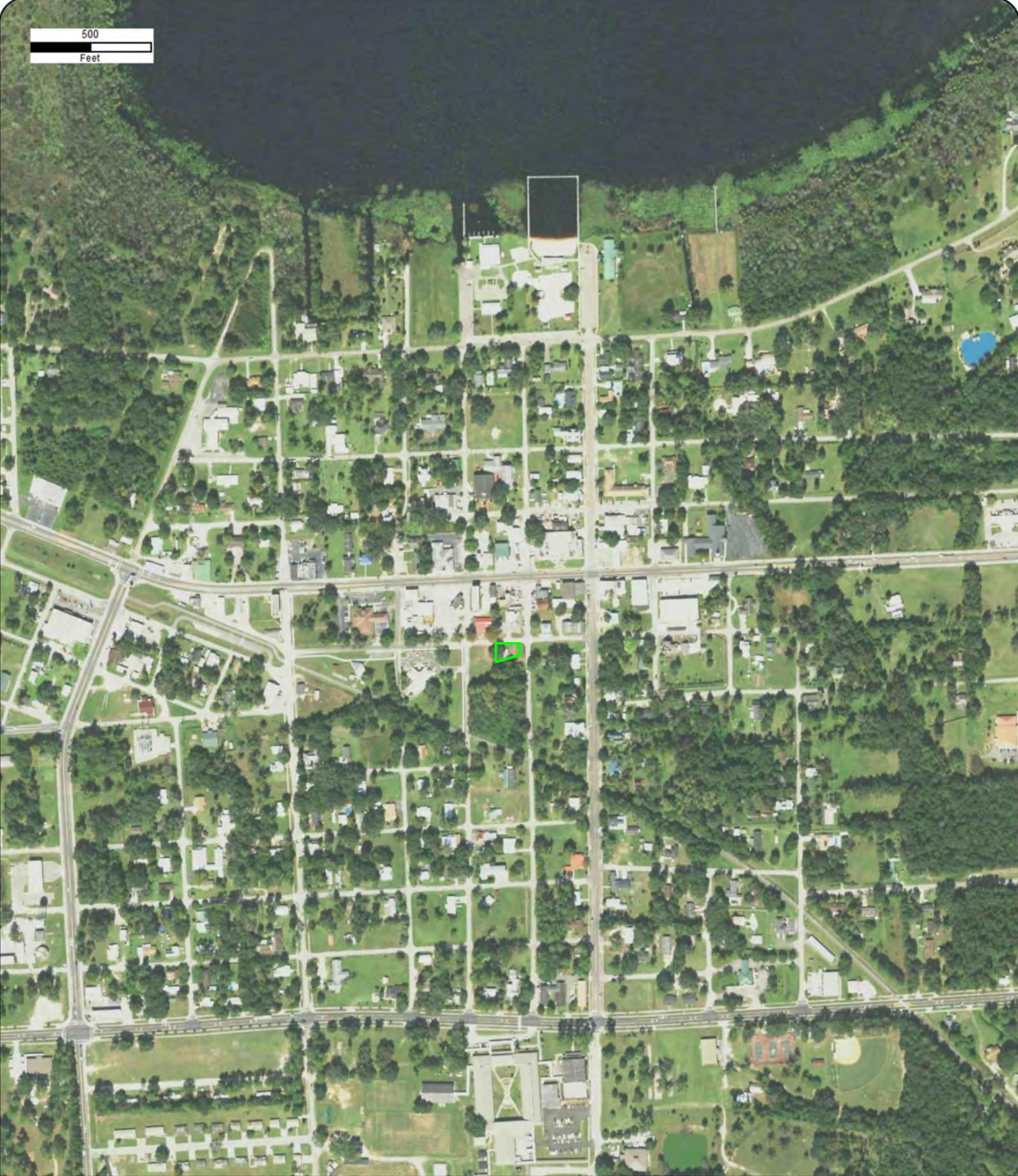
Year: 2017  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 2015  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 2013  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 2010  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 2007  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet

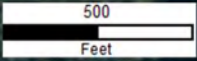


Year: 2006  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124





Year: 2005  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 1999  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 1995  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 1987  
Source: FDOT  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 1981  
Source: FDOT  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 1978  
Source: FDOT  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 1971  
Source: FDOT  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 1965  
Source: ASCS  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 1958  
Source: ASCS  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 1949  
Source: ASCS  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124



500  
Feet



Year: 1938  
Source: ASCS  
Scale: 1" = 500'  
Comment:

Address: sw 1st st and sw 1st ave lake butler, Lake  
Butler, FL  
Approx Center: -82.33923859,30.02224402

Order No: 23100900124





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CITY  
**DIRECTORY**

**Project Property:** *Vacant County Parcel  
sw 1st st and sw 1st ave lake butler  
Lake Butler, FL 32054*

**Project No:** *20165101 - Task 15*

**Requested By:** *PPM Consultants, Inc.*

**Order No:** *23100900124*

**Date Completed:** *October 12, 2023*

**Environmental Risk Information Services**

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

October 12, 2023  
RE: CITY DIRECTORY RESEARCH  
sw 1st st and sw 1st ave lake butler  
Lake Butler,FL 32054

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

**Search Criteria:**

BEG-350 of SW 1st Ave  
BEG-350 of SW 1st St

**Search Notes:**

## Search Results Summary

Date	Source	Comment
2022	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2011	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2002	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1998	DIGITAL BUSINESS DIRECTORY	

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330 RANDY JENKINS...RESIDENTIAL  
330 ROBIN JENKINS...RESIDENTIAL

200 LAKE BUTLER ANIMAL CONTROL...GOVERNMENT OFFICES-CITY, VILLAGE &  
TWP  
200 LAKE BUTLER FIRE DEPT...FIRE PROTECTION

330 RANDY JENKINS...RESIDENTIAL

200 LAKE BUTLER ANIMAL CONTROL...GOVERNMENT OFFICES-CITY, VILLAGE &  
TWP  
200 LAKE BUTLER FIRE DEPT...FIRE PROTECTION

330 RANDY JENKINS...RESIDENTIAL  
330 ROBIN JENKINS...RESIDENTIAL

80 WINDSTREAM...UNCLASSIFIED ESTABLISHMENTS  
200 LAKE BUTLER ANIMAL CONTROL...GOVERNMENT OFFICES-CITY, VILLAGE &  
TWP  
200 LAKE BUTLER FIRE DEPT...FIRE PROTECTION

261 **SAM JENKINS...***RESIDENTIAL*

95 **GATOR FORCE TECHNOLOGIES...***COMPUTER & SOFTWARE STORES*  
200 **LAKE BUTLER CITY OFFICE...***EXEC OFFS, STATE-LOCAL*  
200 **LAKE BUTLER CITY OFFICE...***LEGISLATIVE BODIES*  
200 **LAKE BUTLER FIRE DEPT...***FIRE PROTECTION*  
200 **LAKE BUTLER SEWAGE TREATMENT...***EXEC OFFS, STATE-LOCAL*  
200 **LAKE BUTLER SEWAGE TREATMENT...***LEGISLATIVE BODIES*

NO LISTING FOUND

- 200 LAKE BUTLER CITY OFFICE...EXEC OFFS, STATE-LOCAL
- 200 LAKE BUTLER FIRE DEPT...FIRE PROTECTION
- 200 LAKE BUTLER SEWAGE TREATMENT...EXEC OFFS, STATE-LOCAL

NO LISTING FOUND

110 JUDY HUTSON...RESIDENTIAL

**2000**

**SW 1ST AVE**

SOURCE: DIGITAL BUSINESS DIRECTORY

**NO LISTING FOUND**

**2000**

**SW 1ST ST**

SOURCE: DIGITAL BUSINESS DIRECTORY

110

**JUDY HUTSON...RESIDENTIAL**

NO LISTING FOUND

NO LISTING FOUND



---

FIRE  
INSURANCE  
**MAPS**

**Project Property:** Vacant County Parcel  
sw 1st st and sw 1st ave lake butler  
Lake Butler FL 32054

**Project No:** 20165101 - Task 15

**Requested By:** PPM Consultants, Inc.

**Order No:** 23100900124

**Date Completed:** October 09, 2023

Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjunction with your ERIS report.

<b>Date</b>	<b>City</b>	<b>State</b>	<b>Volume</b>	<b>Sheet Number(s)</b>
1920	Lake Butler	Florida		2, 3
1913	Lake Butler	Florida		338

Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.

### **Environmental Risk Information Services**

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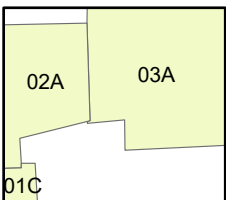
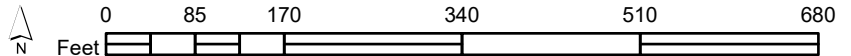
1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

# Fire Insurance Map



**1920**

Address: sw 1st st and sw 1st ave lake butler Lake Butler FL 32054

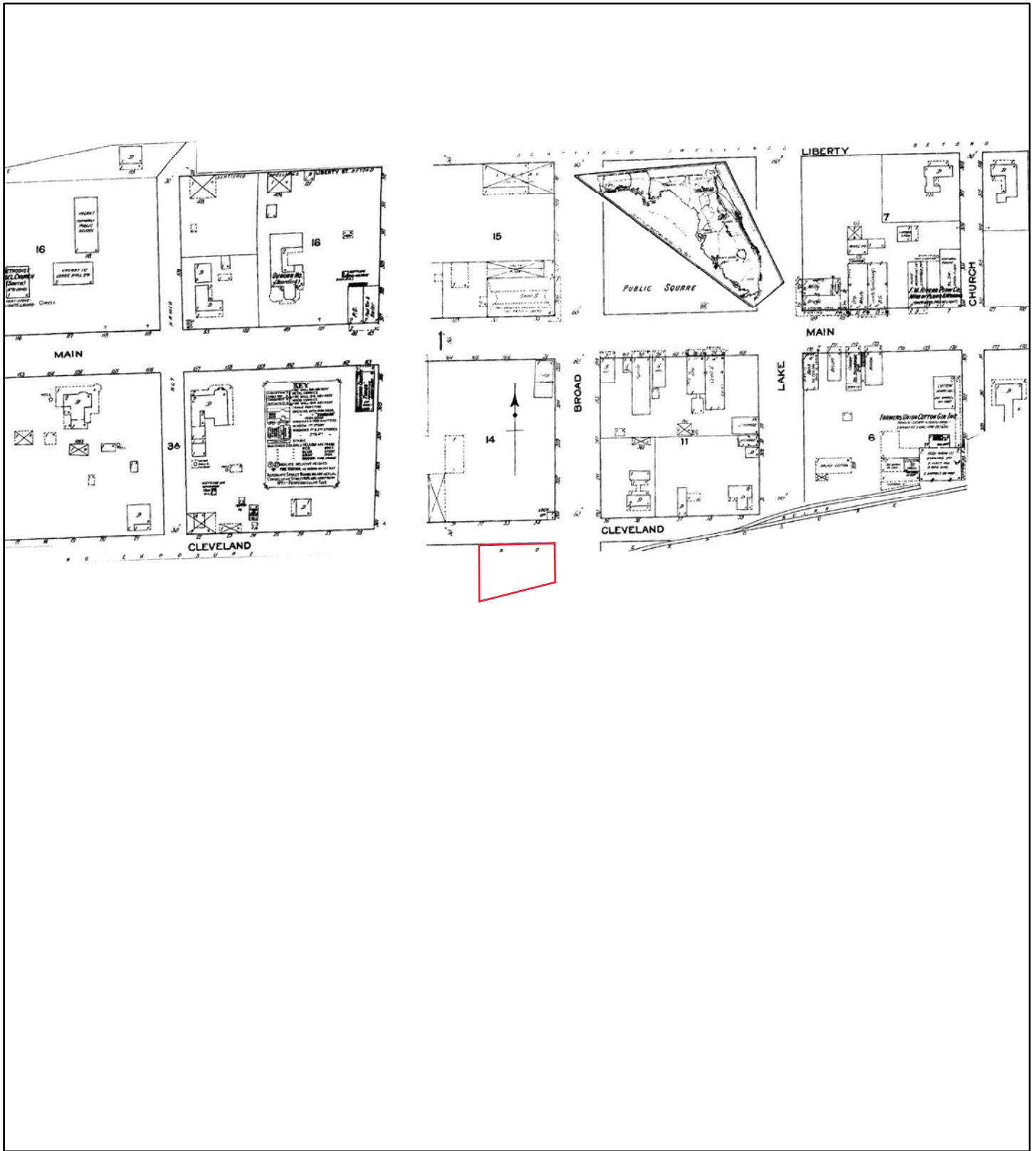


Map sheet(s):  
Volume NA: 2,3;

Order Number 2310900124

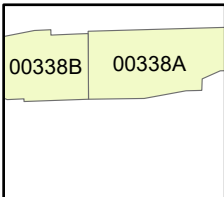
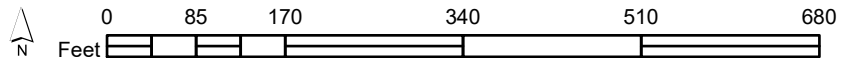


# Fire Insurance Map



**1913**

Address: sw 1st st and sw 1st ave lake butler Lake Butler FL 32054



Map sheet(s):  
Volume NA: 338;

Order Number 23100900124





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# TOPOGRAPHIC MAPS

**Project Property:** Vacant County Parcel  
sw 1st st and sw 1st ave lake butler  
Lake Butler FL 32054

**Project No:** 20165101 - Task 15

**Requested By:** PPM Consultants, Inc.

**Order No:** 23100900124

**Date Completed:** October 09, 2023

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2021	7.5
2015	7.5
1993	7.5
1984	7.5
1966	7.5

**Topographic Map Symbolology for the maps may be available in the following documents:**

*Pre-1947*

[Page 223 of 1918 Topographic Instructions](#)

[Page 130 of 1928 Topographic Instructions](#)

*1947-2009*

[Topographic Map Symbols](#)

*2009-present*

[US Topo Map Symbols](#)

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.

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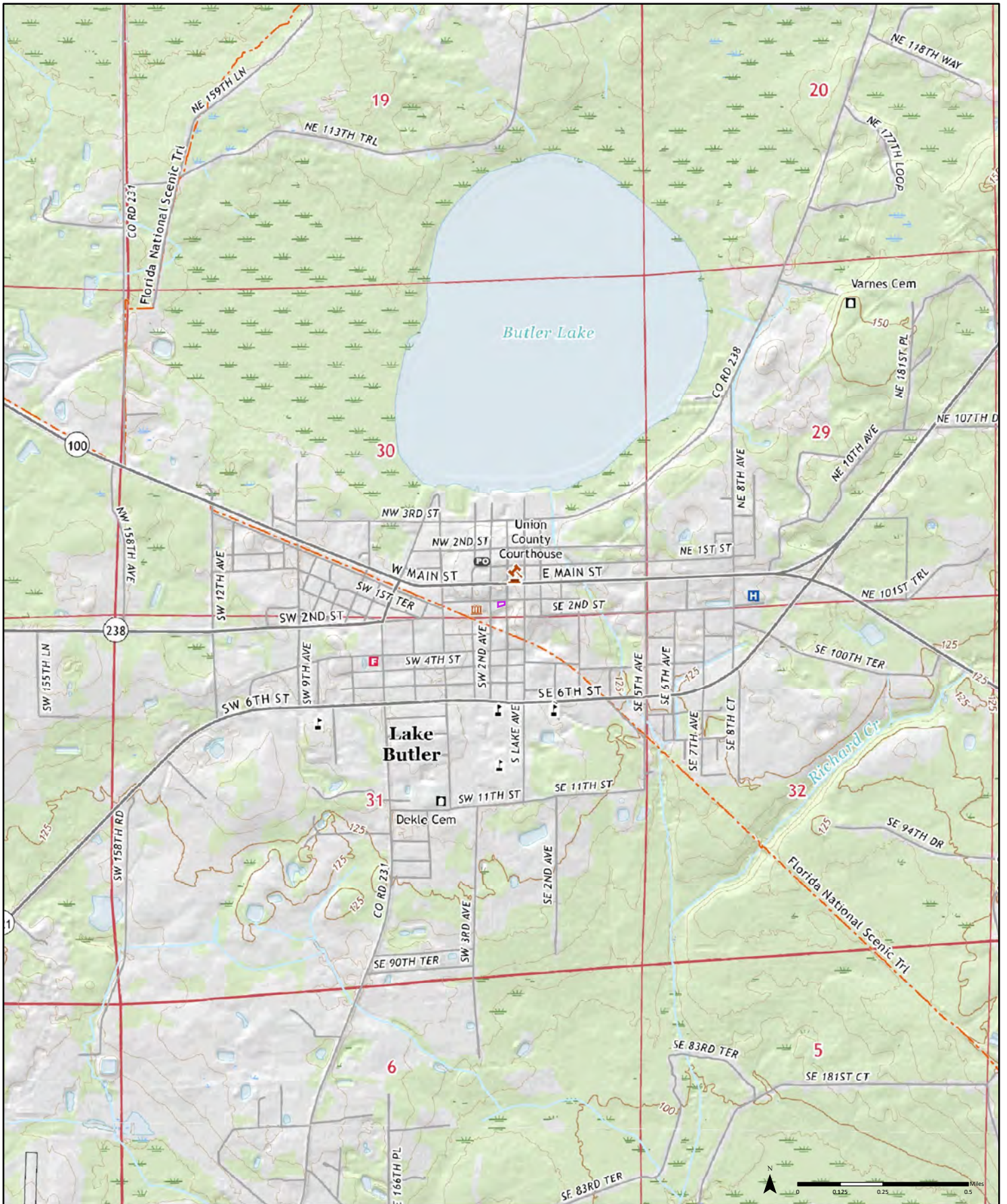
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## Environmental Risk Information Services

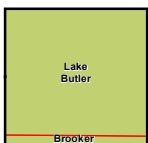
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1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)



2021

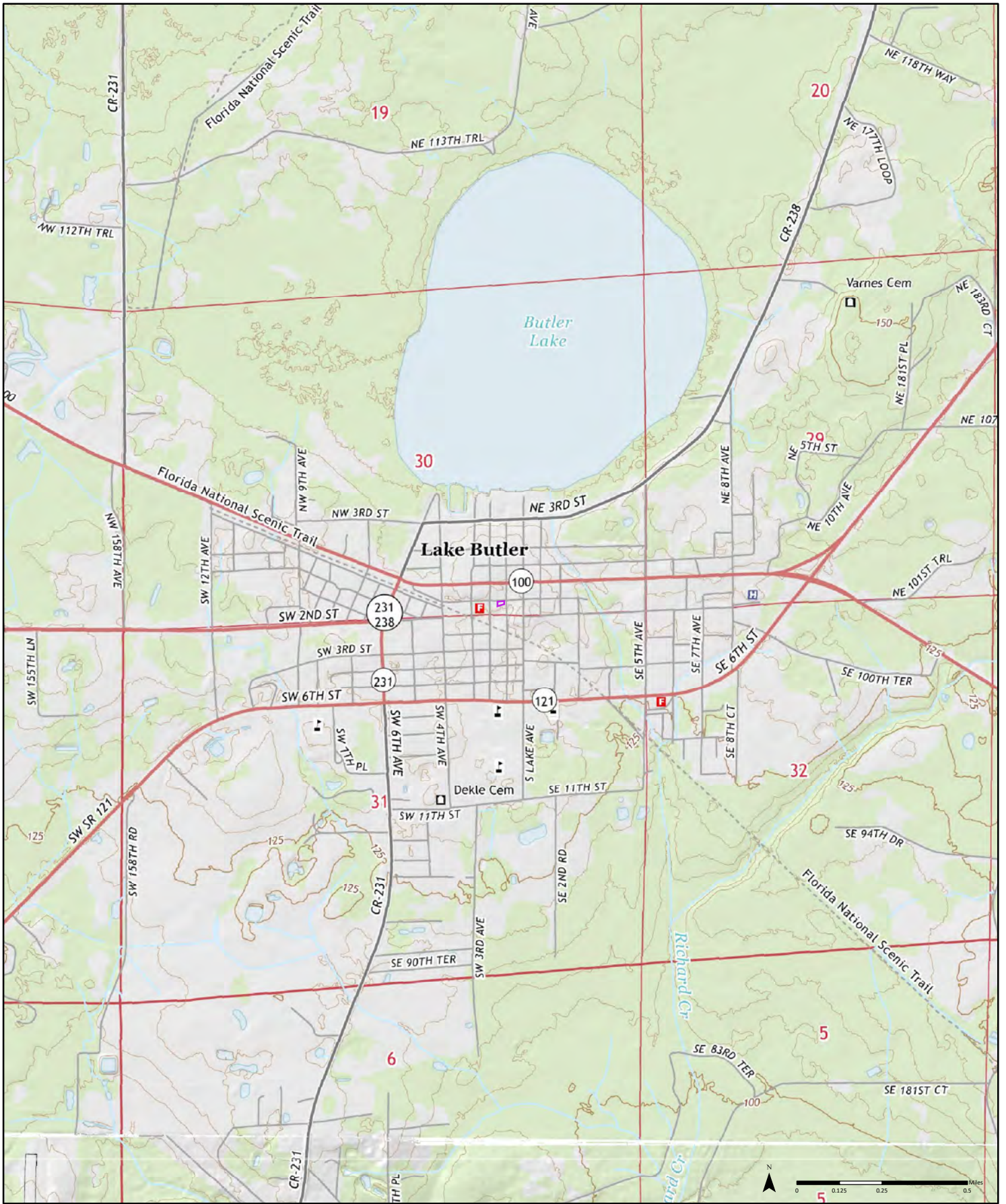
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Brooker, FL

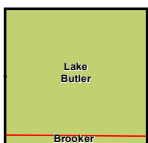
Source: USGS 7.5 Minute Topographic Map





2015

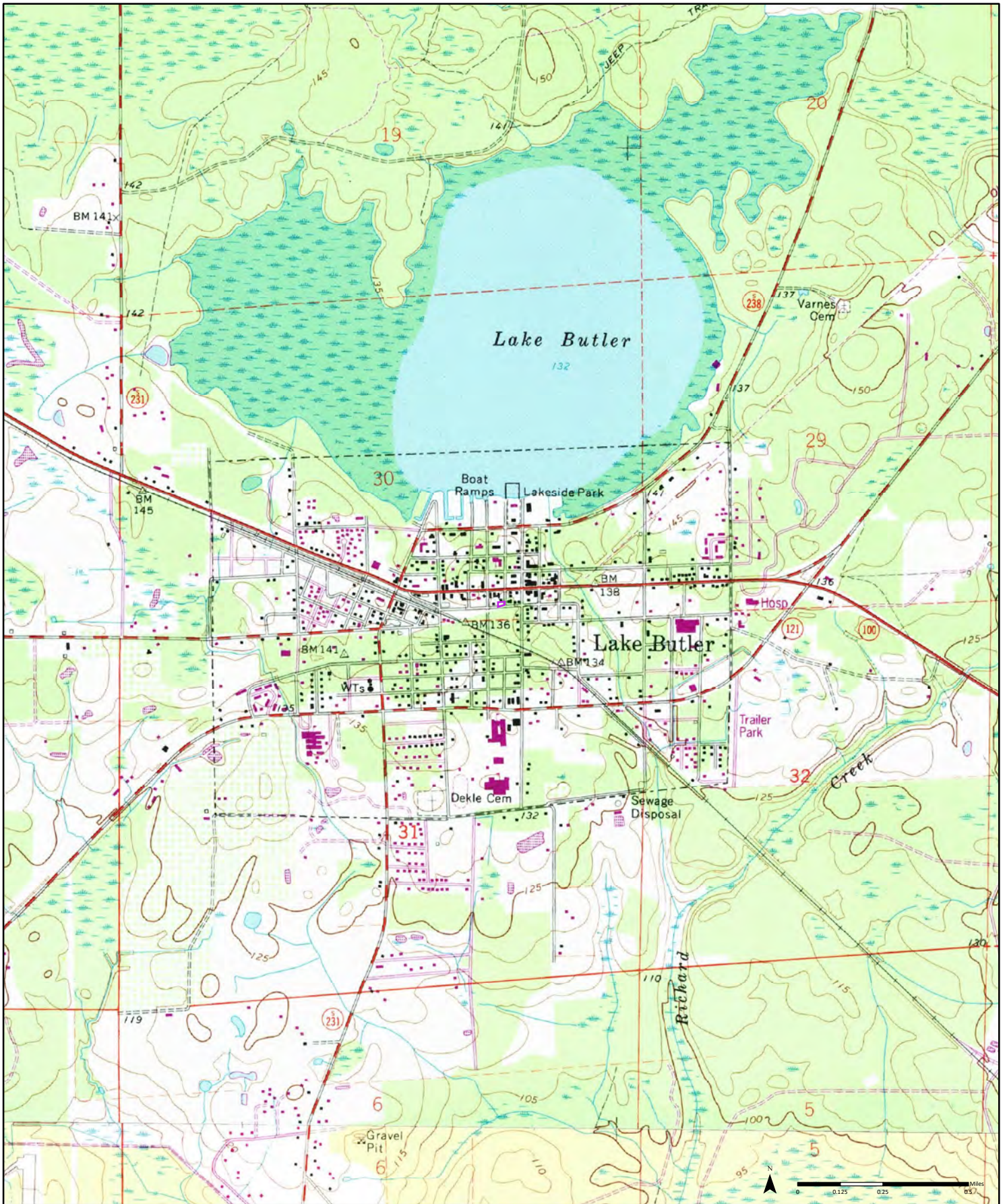
Order No. 23100900124



Available Quadrangle(s): Lake Butler, FL  
Brooker, FL

Source: USGS 7.5 Minute Topographic Map

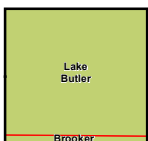




1993

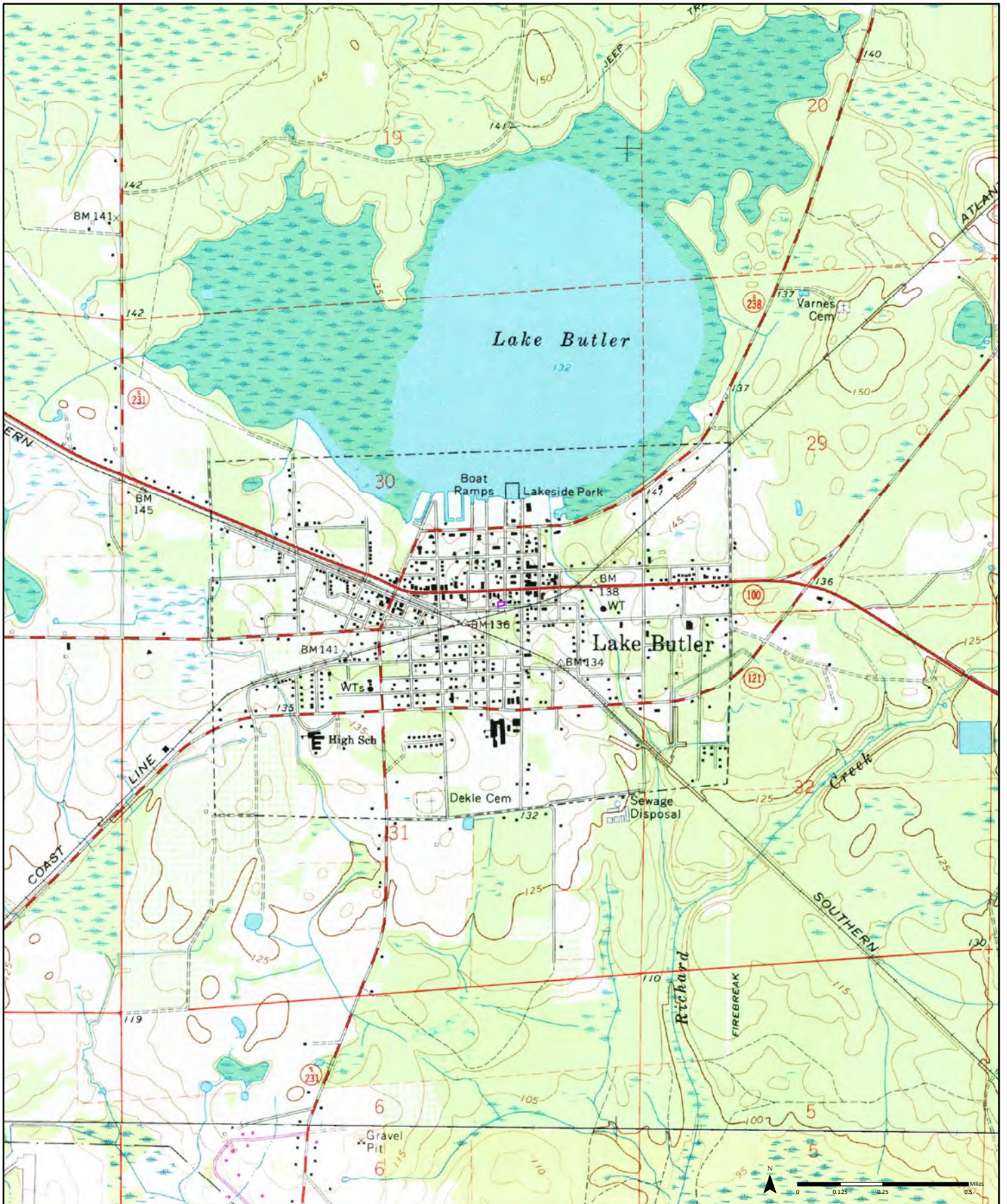
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 Photo Revision Year: 1993

Order No. 23100900124



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 Brooker, FL(1-1993)

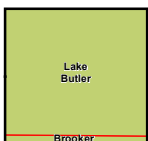




1984

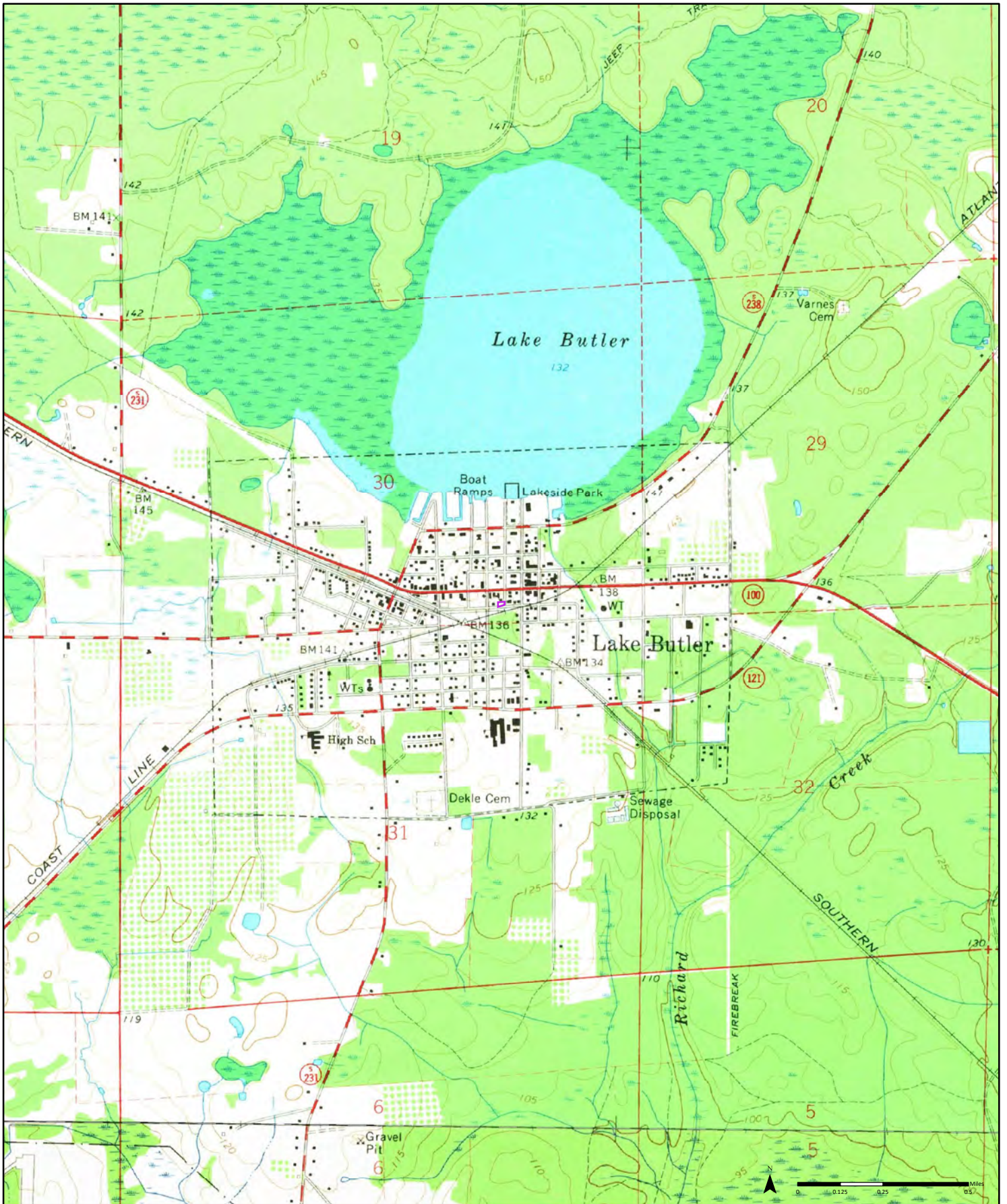
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 Photo Revision Year: 1981

Order No. 23100900124



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 Brooker, FL (1-1984)

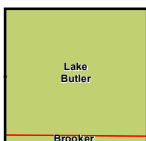




1966

(2-1966) Aerial Photo Year: 1964 (2-1966) Aerial Photo Year: 1964

Order No. 23100900124



Available Quadrangle(s): Lake Butler, FL(2-1966)  
Brooker, FL(1-1966)



## **APPENDIX F – OTHER DOCUMENTATION**



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER SUBDISTRICT  
3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207

COMPLAINT AND INVESTIGATION

DATE RECEIVED: 12/28/83 / JERRY HOWELL  
COMPLAINANT NAME: Jackie Johns City Clerk / Superintendent COUNTY: Union

ADDRESS: CITY OF Lake Butler  
CITY: Lake Butler ZIP: 32054 TELEPHONE: 496-3401

REPORT RECEIVED VIA: TELEPHONE  LETTER ATTACHED  OTHER

POLLUTION CATEGORY: AIR  WATER  NOISE  SOLIDWASTE

TYPE: DW  IW  INC  AP  D/F  FISHKILL  DUST  ODORS  EMISSIONS

OPEN BURNING  ILLEGAL DUMPING  OILSPILL  OTHER

LOCATION AND NATURE OF COMPLAINT: Gasoline is being introduced into the city of Lake Butler's sewage collection & treatment facility. Residents are complaining of gasoline odors in their homes. City is presently ventilating systems via the manholes

INVESTIGATION PROCEDURE AND FACTS DISCLOSED: and using fire foam to retard ignition. John Strails has inspected in past once before. They are not certain but they believe that one of three (3) suspected stations are creating the problem. These three stations are in a row and they all go into one manhole where the problem seems to be originating. CONTACT JERRY HOWELL, Superintendent for more information. JCH 12/29/83

CONCLUSION: Gainesville area investigated. They are following Fire Department procedures

FOLLOW UP WITH COMPLAINANT: and ventilating and foaming at

INVESTIGATED BY: SGC/Dick Vogh INVESTIGATION DATES: 12/29/83

TIME SPENT: FIELD \_\_\_\_\_ OFFICE \_\_\_\_\_ TOTAL HRS: \_\_\_\_\_

the manholes. Gville office informed  
the city to keep post aeration on  
at the plant. Gulf station is  
suspected to be the source  
of contamination. Dick Vogh will send  
the city a letter with strong language  
advising them to locate and remove  
this source of gasoline contamination

JCG  
12/29/83

1/4 & 5/84

Bill HORNE inspected site &  
will write a report.

1/6/84

enforcement letters mailed to  
Shell & Caego stations recommending  
tank testing. JCG.

*Horn*

State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: <u>Horn</u>	Loctn.:	
To: _____	Loctn.:	
To: _____	Loctn.:	
From: _____	Date:	
Reply Optional [ ]	Reply Required [ ]	Info. Only [ ]
Date Due: _____	Date Due: _____	

TO: R.P. Vogh *MM*

FROM: Lloyd Kinsey *LK*

DATE: January 4, 1984

SUBJECT: Lake Butler investigation for gasoline in sewage collection system

Thursday, December 29, 1983

Ed Barber requested site inspection for source of gasoline in Lake Butler sewage collection system.

Received a complaint at 1:40 p.m. from the City Manager of Lake Butler regarding gasoline odors emanating from manholes and from the main sewer lines.

I contacted Mr. Jerry Howell at approximately 2:30 p.m., in person, at the City Hall in Lake Butler. We removed two manhole covers and there was a strong odor of gasoline coming from them. We immediately contacted the Fire Department and they began pumping foam down the sewage lines and later flushed them out with water. This procedure reduced the odor of gasoline. I also notified the local Police Department.

Friday, December 30, 1983

At 9:00 a.m. I called Mr. Jerry Howell and he stated there was some odor coming from the sewage line. I told him to go back and pump more foam down the lines. I also called Mr. Tom King of the Fire Marshalls Office in Jacksonville and asked if they could assist me in finding out where the gas was coming from.

There are 5 gasoline stations within the area that the gas odors are the strongest in the sewage lines:

1. UNION 76  
Seeber Johns - owner  
80 West Main Street  
Lake Butler, Florida 32054  
Phone: 904/496-2641
2. SHELL STATION  
Lowell Shadd - owner  
William Sefcik - manager  
220 West Main Street  
Lake Butler, Florida 32054  
Phone: 904/496-3989, Shadd Enterprise  
904/496-2631, Station

3. WELCH'S GULF STATION  
John & Joan Welch - owners  
120 West Main Street  
Lake Butler, Florida 32054  
Phone: 904/496-3001

4. CARGO GASOLINE STATION  
280 West Main Street  
Lake Butler, Florida 32054  
Mrs. Carol Wells - owner  
Phone: 904/496-9461  
Mr. Phil Smith - manager  
Phone: 904/752-3120

Main office is out of Tampa  
CARGO GASOLINE COMPANY  
205 South Hoover Street  
Tampa, Florida 33679  
Phone: 813/870-3600

5. BILLINGS TIRE INC (Standard Oil)  
Route 2, Box 342-A  
Lake Butler, Florida 32054  
Phone: 904/496-3831

I have also contacted the Tallahassee Fire Marshall Mr. John Nelson (Suncom 278-9970) and the Jacksonville Fire Marshall, Mr. Tom King (904-359-6142) to arrange a field inspection by a person from the Jacksonville office. Our attempt to involve the State Fire Marshall's Office did not succeed.

January 3, 1984

I checked out 2 gas stations, the sewage plant where odors of gas were high, the manholes where some odors still existed and looked over the blue prints of the sewage lines to locate wye branches and service connections.

John Shailer, Jacksonville DER, also checked out this problem some time in the past; however, the problems did not persist and a determination of the source was not made.

January 4, 1984

In back of the Shell Station there is a line running down hill from the station out of a grease trap or floor drain terminating on top of the ground near the curb at the corner of S.W. 1st Street and 2nd Avenue. Motor oil is on the ground behind the curb and on the street. A trench dug at this location parallel to the sewer line did not reveal gasoline contamination of the soil.

At the Cargo Station there are four-4,000 gallon tanks. Two of these tanks have had water in them in the last few months and the station's daily log shows a loss of gas each day.

January 5, 1984

A trench ten feet long was dug behing the Cargo Station and Shell Station on S.W. 1st Street parallel to the sewer about half way between Second and Third Avenues. We found pure gas at 10:20 a.m. The hole we were digging in was about 11 feet deep and the movement of gas and water was coming off of the hill from the service stations. I notified the Mayor and Fire Department , the Health Department, and a Deputy. We roped off the street and cleared the people out of the area.

Two additional trenches were dug on S.W. 1st Street. One about 50 feet East and the other about 50 feet West of the trench in which the gasoline was first found. Gasoline was found in both of these excavations. Bill Horn, the fuel storage apECIALIST from our Jacksonville office was present. He collected a quart sample of gasoline from the trenches for laboratory matching with samples from the suspect service stations. Horn will arrange with the Department of Agriculture for laboratory work.

A gravel packed slotted screen pvc pipe sampling well was installed in each of the three excavations prior to backfilling. The City constructed a weir wall two feet high in the downstream sewer manhole in order to surcharge the sewer line in the vicinity of the gasoline contaminated soil and thereby reduce or eliminate infiltration of gasoline.

January 6, 1984

I met with Mr. Phil Smith, who is the manager for the Cargo Stations throughout the State, and he is willing to go ahead and have all of his tanks pressurized to see if they have a leak. He states that he shows a small loss each time that they measure the gas, which is twice a day (in the morning and in the evening). He said that this is normal because of vapor loss. I told him that DER in Jacksonville would notify him of the requirements that he would have to meet to assure the Department that his tanks were not leaking.

Those who were personally involved in this investigation were:

John E. Shaw, Mayor of Lake Butler  
Jerry L. Howard, Supt. of Utilities  
Eddie Arnold, Supt. of Public Works  
Randy Jenkins, Maintenance - Lake Butler  
Therres Coney, Maintenance - Lake Butler  
Lester Johns, Maintenance - Lake Butler  
Susan Shaw, Deputy Clerk - Lake Butler  
Jackie Johns, City Clerk - Lake Butler  
Lake Butler Fire Department  
Lake Butler Police Department  
Glen Howard, Union County Health Department  
Lloyd Kinsey, DER - Gainesville  
R.P. Vogh, DER - Gainesville  
William Horn, DER - Jacksonville

LK/crd

State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION



# Interoffice Memorandum

FOR ROUTING TO OTHER THAN THE ADDRESSEE

To: _____	LOCTN: _____
To: _____	LOCTN: _____
To: _____	LOCTN: _____
From: _____	DATE: _____

TO: William Stelz, Bureau of Operations  
THROUGH: John Gentry, Bureau of Operations *JS*  
FROM: Thomas Douglas, Bureau of Operations *TD*  
DATE: March 23, 1987  
SUBJECT: Lake Butler Hydrocarbon Recovery, Lake Butler,  
Union County

*cc: Bill Congdon  
3/24/87*

A handwritten signature, possibly "Bill Congdon", is written in black ink.

I have reviewed the Department's file on the Lake Butler gasoline recovery and investigation. Interpretations on the site hydrogeology and contaminant sources differ. My goal during the review was to consolidate the information gathered to date and determine if the data presented confirmed the source of petroleum contamination and to make recommendations on further actions necessary to remediate the site. Investigations began in January 1984 to determine if leaking storage tanks at either the Cargo or Shell stations were the source of petroleum fumes and free product detected in the City of Lake Butler's storm sewers. I do not believe the information gathered to date shows conclusively that either of the stations is the sole contaminant source.

The site has not been adequately assessed. Surficial and groundwater flow at the Cargo/Shell vicinity appears to be influenced greatly by variable soil characteristics and rainfall. A computer model of the groundwater patterns, based on soil borings and water table measurements from DER's ORT suggests an irregular flow pattern across the Shell and Cargo properties. The model shows a winding "S" shaped groundwater flow. Therefore, it is likely that contaminants could be transported across both sites. The overall flow direction is toward the southeast. There is a possibility that both stations (from previous unreported leaks) are now contaminating the groundwater at the site.

William Stelz  
March 23, 1987  
Page two

One source felt that the Shell Station had contaminated the Cargo tank area. A great deal more profiling of lead in the soils and petroleum contaminant plumes is necessary to prove that this has occurred. I could not conclude that Shell's leaded gasoline had migrated towards Cargo's unleaded tanks. However, the majority of the contamination appears to be from the Shell Station. The continued presence of clear free product indicates that there is a continuing source of petroleum contamination not yet identified.

The site geology is complicated and has not been satisfactorily characterized for me to confirm the source(s) of the contaminant plume(s), their pathways or rate of movement.

A site assessment of both the Cargo and Shell properties should be performed to determine the source(s) of the petroleum contamination. Cargo has failed a tank tightness test and is still suspect. Cargo should not be ruled out as a possible contributing source. It is believed that Shell has removed their storage tanks and is not the source of what appears to be fresh (unweathered) product now being recovered by OHM.

I recommend the following actions to assess the groundwater contamination at this site:

1. Request a facility inspection of the Cargo Station to determine if any corrective actions have been taken as a result of their tank test failure. A careful review of Cargo's records may indicate a slow leak in the tanks, associated piping or pumps (see attachment 1).
2. Gain site access to both the Cargo and Shell properties to perform a petroleum assessment program. Contract with a consultant to properly perform an initial site screening to determine "hot spots" and possible contaminant source(s). I suggest profiling the entire area using soil-gas sampling techniques to determine the aerial and vertical contaminant concentrations.
3. Based on the soil survey results, install additional monitoring wells in "hot spot" locations with 10 feet of screen, 3 to 5 feet of the screen above the present water table. The original wells (LB-01 - LB-06) only had 5 feet of (hand-sawed PVC) screen and were placed

William Stelz  
March 23, 1987  
Page three

below the water table (see attachment). Most of the original wells could not be used to detect free product.

4. I agree with the recommendations made by Gary Grinstead of OHM in his letter dated 1/30/87 (attached). Free product continues to be detected. More detail is necessary to determine what further actions are required to remediate this site. A complete site assessment following the guidelines and objectives established in DER's Corrective Actions for Petroleum Product Contamination Cases" is recommended.

Please contact me at Suncom 278-0190 if there are any questions concerning my comments.

TD/cs

Attachments

cc: Pat Dugan, Bureau of Restoration  
Mike Fitzsimmons, Northeast District



February 7, 2014

Mr. Russell Rhodes  
Florida Department of Environmental Protection  
Mail Station 4545  
Petroleum Cleanup Team 2  
2600 Blair Stone Road  
Tallahassee, Florida 32399

Dear Mr. Rhodes

**SUBJECT: Post Active Remediation Monitoring Report  
Coastal Mart Property (aka Sunrise Food Mart)  
Lake Butler, Union County, Florida  
FDEP Facility ID No.: 63 8517149  
Work Order No. GC653-047J  
AMEC Project No. 6090100067-20.51**

AMEC Environment & Infrastructure, Inc. (AMEC) is pleased to submit this Post Active Remediation Monitoring Report for post remediation groundwater sampling event conducted at the Coastal Mart property in Lake Butler, Florida (Figure 1). AMEC was authorized by the Florida Department of Environmental Protection (FDEP) as per the task assignment cited above to conduct groundwater sampling at this site. This report includes a summary of the groundwater investigation, results, and recommendations.

Included in this report are the following: Table 1 – Groundwater Elevation Summary, Table 2 – Groundwater Analytical Summary, Figure 1 – Site Vicinity Map, Figure 2 – Site Plan, Figure 3 – Groundwater Flow Map, Figure 4 – Groundwater Analytical Map, Appendix A – Groundwater Sampling Logs and Calibration Logs and Appendix B – Laboratory Analytical Data.

### **SITE HISTORY AND BACKGROUND**

Sources of a documented petroleum contamination problem have been known to exist in the “downtown” Lake Butler area since late 1983. After notification of petroleum fumes emanating from the city sanitary sewer system, the Union County Fire Marshall identified a combustion hazard at the Lake Butler Elementary School. A source of significant petroleum contamination was identified at an abandoned Shell Oil Company service station site on property owned by Mr. Shadd. Free-phase petroleum product was discovered on site. Another alleged source of petroleum contamination existed on the adjacent property (the former Cargo convenience store (Coastal). An assessment concluded in 1985 that both sites contained sources of petroleum contamination. Several years later another source of contamination was identified at the Johns’ Union 76 property which included free-phase product.

MACTEC (then E.C. Jordan Company) was tasked by FDEP Petroleum Cleanup Section to conduct assessment activities in this area in 1990. As work progressed in the assessment, the

**Correspondence:**

AMEC  
Environment & Infrastructure, Inc.  
2533 Greer Road, Suite 6  
Tallahassee, Florida 32308 USA  
Tel (850) 656-1293  
Fax (850) 656-3386

contaminated areas were found to be larger and to be impacted by additional sources. Welch's and Biellings Tire were found to be contributing sources and a former UST on the A&M Beverage Store site was also suspected as a source.

MACTEC completed a remedial action plan for the sites referred to as the "Lake Butler Cluster sites" in 1993. A pump and treat system combined with vapor extraction was recommended. This system was installed and started up in January 1995. MACTEC operated the remediation system until 2005 at which time Fortis Environmental took charge of the operation and maintenance of the system through February 2010. System modifications have been implemented during the period of time from the initial system installation until present including free product removal using ICE technology and additional air sparging capacity.

A supplemental site assessment was completed by Fortis at the Shadd property in 2009. Soil screening data and laboratory analytical data indicated petroleum contaminants in the soil above soil cleanup target levels (SCTLs). The vertical extent of contamination was reported to be approximately 25 feet below land surface (bls).

Groundwater analytical data collected in 2010 indicated groundwater conditions in the shallow zone exceeding groundwater cleanup target levels (GCTLs) at each of the subject properties. In addition, groundwater data collected from intermediate and deep wells located throughout the subject area indicated exceedences of GCTLs in several locations.

Subsequently under Task Assignment GC653-47A, AMEC was tasked to develop a remedial action plan to address soil contamination on the Coastal Mart property. Source removal activities were initiated in December 2011 with well abandonment and completed with site restoration in March 2012. A total of 3,699.55 tons of petroleum impacted soil were excavated from the Coastal Mart property using 107 traditional LDAs and 41 bell type LDAs (148 total). The LDAs were backfilled with 2,679 cubic yards of flowable fill. Based on soil OVA and analytical data, petroleum impacted soils were excavated from the source area were removed to the maximum extent feasible. There were several pockets of source material (soil contamination above 10,000 ppm OVA and/or the SCTLs) that were not able to be removed because of physical site constraints. The area behind the Hungry Howies building, adjacent to SW 3<sup>rd</sup> Avenue, and to the north of the laundry mat building remained above the 10,000 ppm OVA and/or SCTLs following the completion of the source removal.

## **GROUNDWATER FLOW**

On January 21, 2014 AMEC collected depth to water measurements from 20 monitoring wells (MW-2S, MW-4SR, MW-4IR, MW-5SR, MW-6R2, MW-8R2, MW-22IR, MW-23SR, MW26CR, MW-27CR, MW-30C, MW-38SR, MW-40IR, MW-55I, MW-60S, MW-61SR, MW-62SR, MW-63S, MW-67S and MW-69S) to determine groundwater elevation and flow direction at the Coastal Mart site (Table1). The depth to water in the shallow wells ranged from 7.80 feet below top of casing (btoc) to 15.45 feet btoc, with an average depth to water of 13.00 feet btoc, a decrease of 2.19 feet from the previous event in March 2013. On January 21, 2014 the groundwater flow direction at the Coastal Mart site was inferred to be generally to the southeast for the shallow zone, which is in general agreement with the historical trend to the south. Groundwater flow direction for the intermediate zone was inferred to be to the east, which is similar to March 2013

groundwater flow but inconsistent with the historical trend to the south. A graphic representation of the groundwater elevation and flow is presented in Figure 3

### **GROUNDWATER MONITORING SUMMARY**

On January 21, 2014, AMEC mobilized to the site to collect groundwater samples from monitoring wells MW-2S, MW-4SR, MW-4IR, MW-5SR, MW-6R2, MW-8R2, MW-22IR, MW-23SR, MW26CR, MW-27CR, MW-30C, MW-38SR, MW-40IR, MW-55I, MW-60S, MW-61SR, MW-62SR, MW-63S, MW-67S and MW-69S. Each monitoring well was purged in accordance with FDEP standard operating procedures (SOPs) prior to collecting the sample. In addition, AMEC measured the following field parameters for stability: dissolved oxygen (DO), pH, temperature, conductivity, and turbidity. The groundwater sampling logs and equipment calibration logs are included in Appendix A.

The groundwater samples were placed in a cooler with wet ice and transported under chain of custody protocol to TestAmerica in Tallahassee, FL. All groundwater samples collected, except monitoring well MW-61SR, were analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) using United States Environmental Protection Agency (USEPA) Method 8260C. The groundwater samples collected from monitoring wells MW-2S, MW-5SR, MW-8SR, and MW-23SR were also analyzed for polycyclic aromatic hydrocarbons (PAH) using USEPA Method 8270C. The groundwater samples collected from monitoring wells MW-27CR, MW-30C, MW-60S and MW-61SR were also analyzed for 1, 2-Dibromoethane (EDB) using USEPA Method 8011. Finally, the groundwater samples collected from monitoring well MW-2S was analyzed for Total Recoverable Petroleum Hydrocarbons (TRPH) using the Florida Residual Petroleum Organic (FL-PRO) method. In the chain of custody record form and the groundwater sampling logs for monitoring wells MW-6R2, MW-8R2, MW-23SR were improperly labeled as MW-6SR, MW-8SR, and MW-23CR. TestAmerica has National Environmental Laboratory Accreditation Program (NELAP) Certificate Number E81005 for these analytical methods and matrices.

### **GROUNDWATER ANALYTICAL RESULTS**

Based on the January 21, 2014 groundwater sampling event groundwater analytical results, target analytes were detected above their groundwater cleanup target levels (GCTLs) as defined in Table I of Chapter 62-777 Florida Administrative Code (FAC) in the groundwater samples collected from each of the following monitoring wells: MW-2S, MW-4SR, MW-4IR, MW-5SR, MW-6R2, MW-8R2, MW-22IR, MW-23SR, MW26CR, MW-27CR, MW-30C, MW-38SR, MW-55I, MW-60S, MW-61SR, MW-62SR, and MW-63S, MW-67S and MW-69S. Additionally, target analytes were detected above their Natural Attenuation Default Concentrations (NADCs) as defined in Chapter 62-777 FAC in the groundwater samples collected from each of the following monitoring wells: MW-2S, MW-5SR, MW-6R2, MW-8R2, MW-23SR, MW-27CR, MW-30C, MW-62SR and MW-67S. Target analytes were reported at concentrations below their GCTLs in the groundwater samples collected from monitoring well MW-4IR. A summary of the groundwater analytical results is presented in Table 2 and Figure 4. The groundwater laboratory analytical report is included in Appendix B.

## **CONCLUSIONS AND RECOMMENDATIONS**

Laboratory analytical results reported petroleum related constituents of concern at concentrations above their respective GCTLs in the groundwater samples collected from 19 of the 20 monitoring wells sampled during this post source removal sampling event. This is the fifth quarterly sampling event, which showed an overall continuation of elevated concentrations above their respective GCTLs and NADCs. AMEC recommends implementing the Remedial Action Plan submitted in August 2013 for groundwater remediation at Coastal Mart site per previous discussions with FDEP.

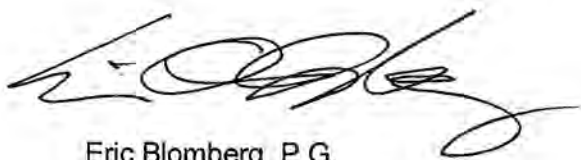
If you have any questions or comments, please contact the undersigned at (850) 656-1293.

Thank you,

**AMEC**  
**Environment & Infrastructure, Inc.**



Geoff Schaefer, P.E.  
Senior Engineer



Eric Blomberg, P.G.  
Principal Hydrogeologist

cc:

File

Attachments: Tables

Figures


Appendix A: Groundwater Sampling Logs and Calibration Logs

Appendix B: Laboratory Analytical Report

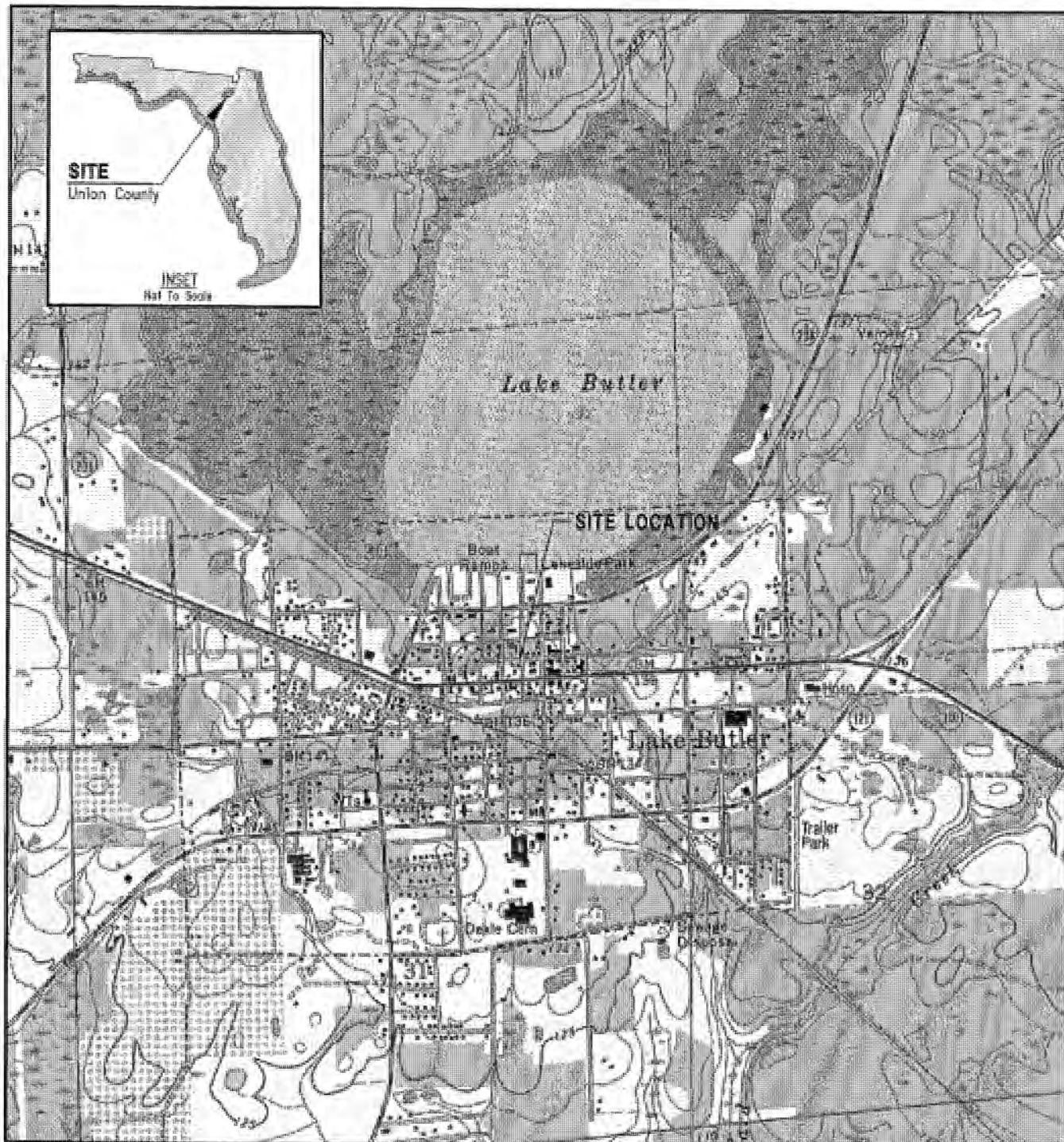
## PROFESSIONAL ENGINEER CERTIFICATION

The work described in this Post Active Remediation Monitoring Report for the Coastal Mart Property (aka Sunrise Food Mart), Lake Butler, Union County, Florida, was performed in accordance with commonly accepted procedures consistent with the applied standards of practice under the direction of the undersigned professional engineer. The professional opinions rendered are based on the associated information detailed in the text and appended to this report or referenced in public literature. Recommendations are based upon interpretations of the applicable regulatory requirements, guidelines, and relevant issues discussed with regulatory personnel. If conditions that differ from those described are determined to exist, the undersigned should be notified to evaluate the effects of any additional information on the assessment or recommendations made in this report. These field activities were conducted at the Coastal Mart Property (aka Sunrise Food Mart), Lake Butler, Union County, Florida in accordance with Florida Department of Environmental Protection directives and U.S. Environmental Protection Agency protocol, and the report should not be construed to apply for any other purpose or to any other site.

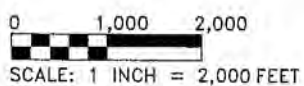
AMEC Environment & Infrastructure, Inc. (**Certificate of Authorization Number: 5392, Audit No.: 228201504712**) is authorized under the provisions of Section 471.023 Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

  
\_\_\_\_\_  
Geoffrey D. Schaefer, PE  
Senior Engineer  
Florida License Number 64914  
Expires February 28, 2015.  
STATE OF FLORIDA  
2/7/14  
Date

## FIGURES



Approximate site location  
 Section 30, Township 5 South, Range 20 East  
 Latitude: 30° 1' 22.91" North  
 Longitude: 82° 20' 19.35" West



SOURCE:  
 USGS Quadrangle - LAKE BUTLER 1993  
 Maps and data Copyright 2003 Maptech

**SITE VICINTY MAP**

PLOTTED: February 6, 2014 - 11:34 AM BY: Crisler, Vanessa V

NO.	DATE	REVISIONS
0	Feb-14	Initial Submittal
	DESIGNED	DRAWN
	VC	VC
	CHECKED	DATE



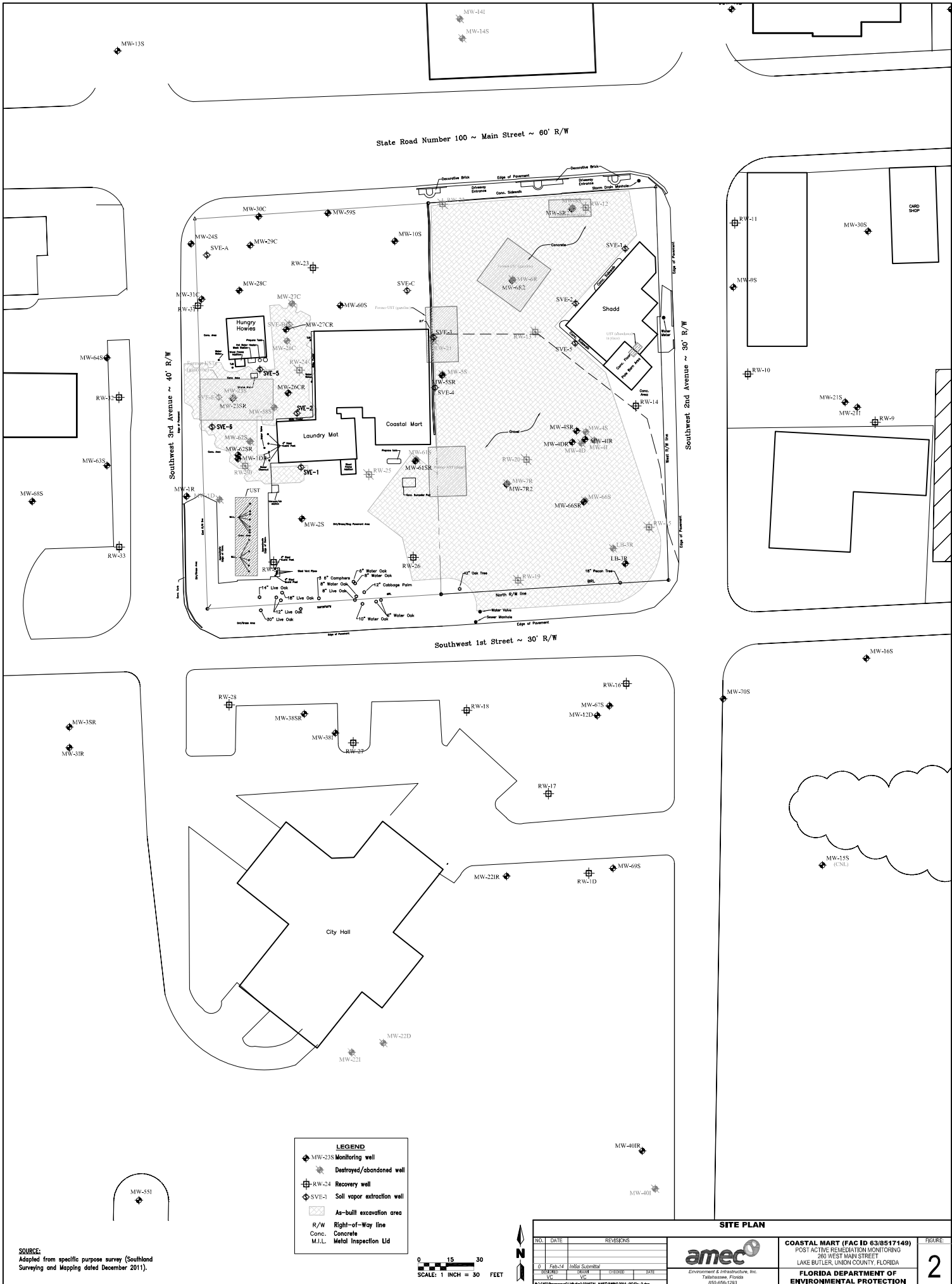
Environment & Infrastructure, Inc.  
 Tallahassee, Florida  
 850-656-1293

**COASTAL MART (FAC ID 63/8517149)**  
 POST ACTIVE REMEDIATION MONITORING  
 260 WEST MAIN STREET  
 LAKE BUTLER, UNION COUNTY, FLORIDA

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

FIGURE:  
**1**

P:\CAD\Preapproval\LakeButler\COASTAL\_MART\PARM\2014-01\Fig-1.dwg



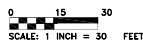
State Road Number 100 ~ Main Street ~ 60' R/W

Southwest 3rd Avenue ~ 40' R/W

Southwest 2nd Avenue ~ 30' R/W

Southwest 1st Street ~ 30' R/W

- LEGEND**
- ◆ MW-23S Monitoring well
  - ◆ Destroyed/abandoned well
  - ⊕ RW-24 Recovery well
  - ⊕ SVE-1 Soil vapor extraction well
  - ▨ As-built excavation area
  - R/W Right-of-Way line
  - Conc. Concrete
  - M.I.L. Metal Inspection Lid



REVISIONS			
NO.	DATE	BY	DESCRIPTION
0	Feb-24	Dolly Scamata	Initial Survey
1	05/08	VP	Site Plan
2	05/08	VP	Site Plan



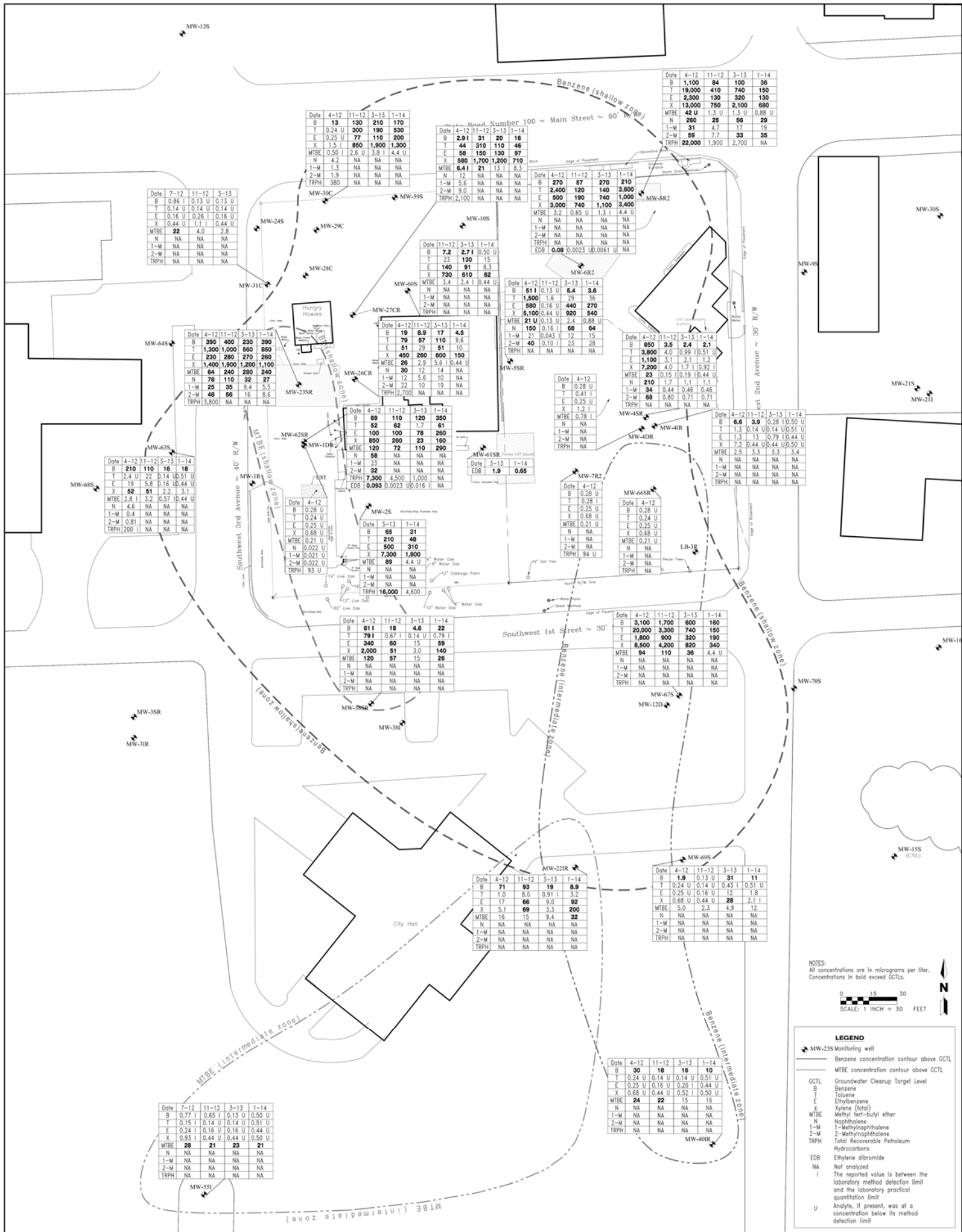
**SITE PLAN**

COASTAL MART (FAC ID 63/8517/149)  
 POST ACTIVE REMEDIATION MONITORING  
 260 WEST MAIN STREET  
 LAKE BUTLER, UNION COUNTY, FLORIDA

FIGURE:  
**2**

SOURCE:  
Adapted from specific purpose survey (Southland Surveying and Mapping dated December 2011).





Date	4-12	11-12	3-13	1-14
B	0.86	0.13	0.13	U
T	0.14	0.14	0.14	U
E	0.16	0.26	0.16	U
X	0.44	1.1	0.44	U
MTBE	22	4.0	2.8	
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	4-12	11-12	3-13	1-14
B	13	130	210	170
T	0.24	300	180	530
E	0.25	77	110	200
X	1.5	850	1,000	1,300
MTBE	0.50	2.6	3.8	4.4
1-M	1.3	NA	NA	NA
2-M	1.9	NA	NA	NA
TRPH	380	NA	NA	NA

Date	4-12	11-12	3-13	1-14
B	2.91	31	20	16
T	44	310	110	46
E	58	150	130	97
X	580	1,700	1,200	710
MTBE	6.41	21	13	8.3
1-M	12	NA	NA	NA
2-M	5.6	NA	NA	NA
TRPH	2,100	NA	NA	NA

Date	4-12	11-12	3-13	1-14
B	270	87	270	210
T	2,400	120	140	3,600
E	500	190	740	1,000
X	3,000	740	1,100	3,400
MTBE	3.2	0.65	1.3	1.4
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	4-12	11-12	3-13	1-14
B	1,100	84	100	36
T	18,000	410	740	160
E	2,300	130	390	130
X	13,000	750	2,100	680
MTBE	42	1.3	1.3	0.88
1-M	260	25	56	29
2-M	91	4.7	17	19
TRPH	22,000	1,900	2,700	NA

Date	4-12	11-12	3-13	1-14
B	390	400	230	390
T	1,300	1,000	560	850
E	230	280	270	260
X	1,400	1,900	1,200	1,100
MTBE	64	240	280	240
1-M	78	110	32	27
2-M	25	36	9.4	5.5
TRPH	3,800	NA	NA	NA

Date	4-12	11-12	3-13	1-14
B	19	8.9	17	4.5
T	79	57	110	9.8
E	51	29	51	10
X	450	260	600	150
MTBE	26	2.9	5.6	10.44
1-M	30	12	14	NA
2-M	12	5.6	10	NA
TRPH	2,700	NA	NA	NA

Date	4-12	11-12	3-13	1-14
B	511	0.15	U	5.4
T	1,500	1.6	29	36
E	580	0.16	U	440
X	6,100	0.44	U	820
MTBE	21	0.13	U	2.4
1-M	150	0.16	U	68
2-M	21	0.045	U	12
TRPH	NA	NA	NA	NA

Date	4-12	11-12	3-13	1-14
B	3,800	4.0	0.99	10.51
T	1,100	3.1	2.1	1.2
E	7,200	4.0	1.7	0.92
X	15,000	15.0	10.19	10.44
MTBE	23	0.15	0.19	0.44
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	4-12	11-12	3-13	1-14
B	6.6	3.9	0.28	10.50
T	1.3	0.14	0.14	0.51
E	1.3	13	0.79	16.44
X	7.2	0.44	0.44	0.50
MTBE	2.5	3.3	3.3	3.4
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	4-12	11-12	3-13	1-14
B	210	110	16	16
T	2.4	0.22	0.14	0.55
E	19	5.8	0.16	0.44
X	92	61	2.2	3.1
MTBE	2.8	1.3	0.57	0.44
1-M	4.6	NA	NA	NA
2-M	0.81	NA	NA	NA
TRPH	200	NA	NA	NA

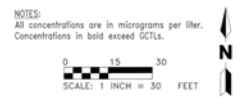
Date	4-12	11-12	3-13	1-14
B	66	31		
T	52	52	1.7	61
E	0.25	U		
X	0.68	U		
MTBE	0.21	U		
1-M	0.022	U		
2-M	0.021	U		
TRPH	93	U		

Date	4-12	11-12	3-13	1-14
B	611	18	4.6	22
T	791	0.67	0.14	0.79
E	340	60	15	59
X	2,000	51	3.0	140
MTBE	120	97	15	26
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	4-12	11-12	3-13	1-14
B	3,100	1,700	600	160
T	20,000	3,200	740	150
E	1,800	900	320	190
X	8,500	4,200	820	340
MTBE	94	110	36	4.4
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	7-12	11-12	3-13	1-14
B	0.77	0.65	0.13	0.50
T	0.15	0.14	0.14	0.51
E	0.34	0.16	0.16	0.44
X	0.93	0.44	0.44	0.50
MTBE	28	21	23	21
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	4-12	11-12	3-13	1-14
B	1.9	0.13	U	31
T	0.24	0.14	U	0.43
E	0.25	0.16	U	12
X	0.68	0.44	U	28
MTBE	5.0	2.3	4.9	12
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA



**LEGEND**

- MW-23S Monitoring well
- Benzene concentration contour above CCTL
- MTBE concentration contour above CCTL
- CCTL Groundwater Cleanup Target Level
- B Benzene
- T Toluene
- E Ethylbenzene
- X Xylenes (total)
- MTBE Methyl tert-butyl ether
- N Naphthalene
- 1-M 1-Methylnaphthalene
- 2-M 2-Methylnaphthalene
- TRPH Total Recoverable Petroleum
- EDB Ethylene dibromide
- NA Not analyzed
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- U Analyte, if present, was at a concentration below its method detection limit

**GROUNDWATER ANALYTICAL DATA**

NO.	DATE	REVISIONS
0	Feb-14	Initial Submittal
1		REVISED DATE
2		REVISED DATE



**COASTAL MART (FAC ID 638517149)**  
 POST-ACTIVE REMEDIATION MONITORING  
 260 WEST MAIN STREET  
 LAKE BUTLER, UNION COUNTY, FLORIDA  
**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

SOURCE:  
 Adapted from specific purpose survey (Southland Surveying and Mapping dated December 2011).

## TABLES

### TABLE 1: Groundwater Elevation Summary

Facility Name: Shadd Property &  
 Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility  
 63 8517149 Sunrise Food Mart and Gas Stop

All Measurements = Feet  
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 \* = Historical Data

WELL NO.	LB-06		MW-1S		MW-1R		MW-2S		MW-3S		MW-4S		
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	
DIAMETER (INCH)		2											
WELL DEPTH		18		23		22		25		17		24	
SCREEN INTERVAL		13-18		13-23		5-22		15-25		7-17		14-24	
TOC ELEVATION		147.67		146.07		146.29		147.51		140.17		144.33	
DATE													
1/23/2002*	NM	NM		126.24	19.83		126.14	21.37		125.03	15.14	126.03	18.3
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM	NM	NM
3/17/2003*	NM	NM		129.53	16.54		133.13	14.38		133.75	6.42	132.30	12.03
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM	NM	NM
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM	NM	NM
6/2/2003*	NM	NM		131.50	14.57		131.23	16.28		131.81	8.36	130.88	13.45
11/7/3/2003*	NM	NM		129.67	16.4		129.89	17.62		129.60	10.57	129.77	14.56
2/18/2004*	NM	NM		128.07	18		NM	NM		126.81	13.36	128.36	15.97
6/28/2004*	NM	NM		128.07	18		127.94	19.57		126.60	13.57	127.88	16.45
10/6/2004*	NM	NM		134.90	11.17		135.05	12.46		134.03	6.14	135.44	8.89
05/04/05	NM	NM		NM	NM		134.34	11.95		NM	NM	NM	NM
05/06/05	NM	NM		NM	NM		NM	12.45		NM	NM	134.93	9.4
05/17/05	NM	NM		NM	NM		134.84	11.45		NM	NM	NM	NM
09/21/05	NM	NM		NM	NM		NM	NM		NM	NM	132.68	11.65
06/05/06	NM	NM		NM	NM		NM	NM		124.42	15.75	NM	NM
08/30/06	NM	NM		NM	NM		CNL	CNL		NM	NM	NM	NM
11/30/06	NM	NM		NM	NM		NM	18.97		NM	NM	NM	NM
03/26/07	NM	NM		NM	NM		126.49	21.02		NM	NM	126.22	18.11
06/20/07	NM	NM		NM	NM		NM	NM		CNL	CNL	NM	NM
09/10/07	NM	NM		NM	NM		126.37	21.14		NM	NM	126.20	18.13
12/11/07	NM	NM		NM	NM		126.26	21.25		NM	NM	126.19	18.14
01/30/08	NM	NM		NM	NM		126.57	20.94		NM	NM	126.33	18
03/12/08	NM	NM		NM	NM		126.40	21.11		CNL	CNL	126.53	17.8
06/30/08	NM	NM		NM	NM		127.75	19.76		NM	NM	123.60	20.73
06/24/08	NM	NM		NM	NM		127.59	19.92		NM	NM	127.33	17.00
01/06/09	NM	NM		NM	NM		130.28	17.25		NM	NM	130.59	13.74
08/09/10	NM	NM		NM	NM		128.15	19.36		NM	NM	128.28	16.05
06/14/11	NM	NM		132.88	13.41		132.84	14.67		NM	NM	133.11	11.22
07/19/11	NM	NM		NM	NM		NM	NM		NM	NM	128.82	15.51
07/30/12	NM	NM		NM	NM		128.37	19.14		NM	NM	NM	NM
11/05/12	NM	NM		NM	NM		NM	CNL		NM	NM	Abandoned	Abandoned
03/07/13	NM	NM		NM	NM		NM	CNL		NM	NM	Abandoned	Abandoned
01/20/14	NM	NM		NM	NM		131.51	16.00		NM	NM	Abandoned	Abandoned
				NM	NM		132.36	15.15		NM	NM	Abandoned	Abandoned

**TABLE 1: Groundwater Elevation Summary**

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida  
 Facility ID#: 63 9807182 Shadd Facility  
 63 8517149 Sunrise Food Mart and Gas Stop

All Measurements = Feet  
 NM = Not Measured  
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 CNL = Could Not Locate  
 \* = Historical Data

WELL NO.	MW-5S		MW-6S		MW-7S		MW-7R		MW-8S			
	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW		
DIAMETER (INCH)	2		2		2		2		2			
WELL DEPTH	26		25		24		22		25			
SCREEN INTERVAL	16-26		15-25		14-24		5-22		15-25			
TOC ELEVATION	146.27		145.79		145.1		147.04		145.36			
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	124.56	21.71		124.26	21.53		125.93	19.17		123.96	21.4	
2/5/2003*	131.29	14.98		131.48	14.31		NM	NM		128.77	16.59	
3/17/2003*	133.09	13.18		133.83	11.96		132.52	12.58		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	131.05	15.22		131.33	14.46		130.69	14.41		128.06	17.3	
11/13/2003*	130.06	16.22		129.11	16.88		129.66	15.44		NM	NM	
11/4/2003*	128.47	17.8		128.74	17.05		128.05	17.05		NM	NM	
6/28/2004*	128.03	18.24		128.21	17.58		127.72	17.38		128.34	17.02	
10/6/2004*	135.71	10.56		135.64	10.15		135.13	9.97		135.01	9.35	
05/04/05	NM	NM		NM	NM		NM	NM		NM	NM	
05/17/05	NM	NM		134.71	10.75		NM	NM		136.34	10.7	
09/21/05	132.96	13.31		135.46	10		NM	NM		136.99	10.05	
06/06/06	NM	NM		NM	NM		NM	NM		NM	NM	
08/30/06	128.37	17.9		130.00	15.46		129.95	15.15		131.58	15.46	0.58
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM	
04/09/07	NM	NM		NM	NM		NM	NM		NM	NM	
06/20/07	126.36	19.91	4.70	NM	NM		NM	NM		129.65	17.39	
09/10/07	124.83	21.44	2.10	NM	NM		126.29	18.81	0.16	128.23	18.81	0.16
12/11/07	126.13	20.14	0.78	NM	NM		NM	NM		128.24	18.80	
01/30/08	126.36	19.91	0.52	NM	NM		NM	NM		128.44	18.60	
03/12/08	128.17	18.10	0.21	NM	NM		NM	NM		128.57	18.47	
06/30/08	127.52	18.75		NM	NM		NM	NM		130.27	16.77	
09/24/08	130.72	15.55		127.16	18.30		NM	NM		129.45	17.59	
01/05/09	128.42	17.85		130.65	14.81		NM	NM		132.52	14.52	
08/09/10	126.48	19.79		128.57	16.89		NM	NM		130.33	16.71	
06/14/11	122.32	23.95		CNL	CNL		NM	NM		134.72	12.32	
07/30/12	Abandoned			128.75	16.71		NM	NM		130.72	16.32	
				Abandoned			NM	NM		Abandoned		

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WELL NO. WELL DEPTH SCREEN INTERVAL TOC ELEVATION DATE	MW-12S		MW-13S		MW-14S		MW-15S		MW-16S		MW-18S	
	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
1/23/2002*	124.59	15.38	NM	NM	NM	NM	NM	NM	NM	NM	126.15	14.2
2/5/2003*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
3/17/2003*	133.07	6.9	NM	NM	NM	NM	NM	NM	NM	NM	135.24	5.11
4/21/2003*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/19/2003*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
6/2/2003*	130.07	9.9	NM	NM	NM	NM	NM	NM	NM	NM	131.58	8.77
11/13/2003*	128.66	11.31	NM	NM	NM	NM	NM	NM	NM	NM	129.10	11.25
2/19/2004*	127.66	12.31	NM	NM	NM	NM	NM	NM	NM	NM	122.61	17.74
6/28/2004*	126.61	13.36	NM	NM	NM	NM	NM	NM	NM	130.00	8.6	127.98
10/6/2004*	134.45	5.52	NM	NM	NM	NM	NM	NM	NM	NM	135.34	5.01
09/22/05	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	132.08	8.27
06/06/06	NM	NM	NM	NM	NM	NM	NM	NM	NM	131.49	7.11	NM
11/30/06	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
03/26/07	NM	NM	NM	NM	NM	NM	NM	NM	NM	132.33	6.27	NM
06/20/07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/10/07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
12/11/07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
01/30/08	NM	NM	125.27	22.4	NM	NM	NM	NM	NM	132.37	6.23	127.15
08/09/10	NM	NM	134.12	13.55	NM	NM	NM	NM	NM	NM	NM	NM

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WELL NO.	MW-19S		MW-20S		MW-21S		MW-22S		MW-23S		MW-24S		
	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	
DIAMETER (INCH)		2		2		2		2		2		2	
WELL DEPTH		19		25		23		23		27		26	
SCREEN INTERVAL		9-19		15-25		13-23		13-23		17-27		16-26	
TOC ELEVATION		141.9		146.94		142.09		137.09		148.03		147.85	
DATE													
1/23/2002*	NM	NM	NM	NM	126.00	16.03		NM		blocked	at 2.5 ft	125.55	21.3
2/5/2003*	NM	NM	NM	NM	125.04	17.05		NM		blocked	at 2.5 ft	131.58	16.27
3/17/2003*	NM	NM	NM	NM	NM	NM		NM		blocked	at 2.5 ft	134.51	13.34
4/2/2003*	NM	NM	NM	NM	NM	NM		NM		NM	NM	134.41	13.44
4/21/2003*	NM	NM	NM	NM	NM	NM		NM		blocked	at 2.5 ft	NM	NM
5/19/2003*	NM	NM	NM	NM	NM	NM		NM		blocked	at 2.5 ft	NM	NM
6/2/2003*	NM	NM	NM	NM	NM	NM		NM		blocked	at 2.5 ft	132.14	15.71
11/13/2003*	128.19	12.71			129.57	12.52		NM		blocked	at 2.5 ft	NM	NM
2/18/2004*	NM	NM			128.07	14.02		NM		blocked	at 2.5 ft	NM	NM
6/28/2004*	128.02	13.88			127.71	14.38		NM		blocked	at 2.5 ft	129.02	18.83
10/6/2004*	135.55	6.35			NM	NM		NM		NM	NM	135.90	11.95
06/06/06	129.96	11.94			NM	NM		NM		NM	NM	NM	NM
11/30/06	126.11	15.79			NM	NM		NM		NM	NM	NM	NM
03/26/07	127.56	14.34			NM	NM		NM		NM	NM	NM	NM
06/20/07	120.76	21.14			NM	NM		NM		NM	NM	NM	NM
09/10/07	126.23	15.67			NM	NM		NM		NM	NM	NM	NM
12/11/07	126.61	15.29			NM	NM		NM		NM	NM	NM	NM
01/30/08	127.26	14.64			NM	NM		NM		NM	NM	NM	NM
03/13/08	129.47	12.43			NM	NM		NM		blocked at 18 ft		119.85	28
06/30/08	127.66	14.24			NM	NM		NM		NM	NM	NM	NM
09/24/08	130.89	11.01			NM	NM		NM		NM	NM	NM	NM
01/06/09	128.48	13.42			NM	NM		NM		NM	NM	NM	NM
08/09/10	NM	NM			NM	NM		NM		NM	NM	133.79	14.06
07/19/11	NM	NM			NM	NM		NM		128.68	19.35	NM	NM
07/30/12	NM	NM			NM	NM		NM		Abandoned		NM	NM

**TABLE 1: Groundwater Elevation Summary**

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility  
 63 8517149 Sunrise Food Mart and Gas Stop

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WELL NO.	MW-25S			MW-26S			MW-29S			MW-30S			MW-31S			MW-32S			
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	
DIAMETER (INCH)		2			2			2			2			2			2		
WELL DEPTH		18			18			15			25			15			32		
SCREEN INTERVAL		8-18			8-18			5-15			15-25			5-15			22-32		
TOC ELEVATION		142.14			142.01			142.01			143.05			138.44			139.05		
DATE																			
1/23/2002*	125.19	16.95		126.17	15.84	15.7	126.58	15.43		126.28	16.77		125.66	12.78		126.15	12.9		
2/5/2003*	NM	NM		130.51	11.5		130.45	11.56		NM	NM		NM	NM		NM	NM		
3/17/2003*	134.54	7.6		NM	NM		135.31	6.7		NM	NM		NM	NM		134.56	4.49		
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
6/2/2003*	131.79	10.35		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
11/13/2003*	129.98	12.16		128.06	13.95		128.65	13.36		NM	NM		NM	NM		129.05	10		
2/18/2004*	128.51	12.63		128.06	13.95		129.61	12.4		NM	NM		NM	NM		128.82	10.23		
6/28/2004*	128.57	13.57		127.63	14.38		128.61	13.4		128.15	14.9		NM	NM		127.64	11.41		
10/6/2004*	136.57	5.57		134.46	7.55		135.98	6.08		NM	NM		NM	NM		134.50	4.55		
09/22/05	NM	NM		NM	NM		132.20	9.81		NM	NM		NM	NM		NM	NM		
06/06/06	CNL	CNL		129.72	12.29	0.16	NM	NM		NM	NM		CNL	CNL		129.27	9.78		
11/30/06	NM	NM		NM	NM		CNL	CNL		NM	NM		NM	NM		NM	NM		
03/26/07	NM	NM		127.12	14.89	0.28	NM	NM		123.95	19.1		NM	NM		127.19	11.88		
06/20/07	NM	NM		125.88	16.03	0.2	NM	NM		NM	NM		NM	NM		125.36	13.85		
09/10/07	NM	NM		126.72	15.29		NM	NM		NM	NM		NM	NM		120.86	18.19		
12/11/07	NM	NM		126.86	15.15		NM	NM		NM	NM		NM	NM		NM	NM		
01/30/08	NM	NM		127.81	14.2		NM	NM		NM	NM		NM	NM		126.72	12.33		
03/13/08	NM	NM		130.11	11.9		NM	NM		NM	NM		NM	NM		NM	NM		
06/30/08	NM	NM		127.66	14.35		NM	NM		NM	NM		NM	NM		NM	NM		
09/24/08	NM	NM		131.23	10.76		NM	NM		NM	NM		NM	NM		NM	NM		
01/06/09	NM	NM		129.06	12.93		NM	NM		NM	NM		NM	NM		NM	NM		
08/09/10	NM	NM		NM	NM		NM	NM		133.37	9.68		NM	NM		NM	NM		

**TABLE 1: Groundwater Elevation Summary**

Facility Name: Shadd Property &  
Coastal Mart (aka Sunrise Food Mart)  
Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility  
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WELL NO.	MW-335		MW-345		MW-355		MW-365		MW-375		MW-435	
	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
DIAMETER (INCH)	2		2		2		2		2		2	
WELL DEPTH	14		14		19		19		14		27	
SCREEN INTERVAL	5-15		4-14		9-19		9-19		4-14		17-27	
TOC ELEVATION	143.43		143.73		143.22		142.53		142.85		145.01	
DATE												
1/23/2002*	DRY	DRY	DRY	DRY	NM	NM	126.26	16.27	130.07	12.78	NM	NM
2/5/2003*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	131.42	13.59
3/17/2003*	135.52	7.91	135.05	8.68	NM	NM	NM	NM	136.25	6.6	NM	NM
4/21/2003*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/19/2003*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/2/2003*	132.08	11.35	131.59	12.14	NM	NM	132.01	10.52	NM	NM	131.84	13.17
11/13/2003*	129.78	13.65	129.87	13.86	NM	NM	129.43	13.1	133.81	9.04	NM	NM
2/18/2004*	129.43	14	NM	NM	128.81	14.41	NM	NM	128.94	13.91	NM	NM
6/28/2004*	128.66	14.77	NM	NM	NM	NM	NM	NM	133.62	9.23	NM	NM
10/6/2004*	135.53	7.9	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/22/05	132.30	11.13	132.29	11.44	NM	NM	NM	NM	NM	NM	CNL	CNL
08/30/06	NM	NM	NM	NM	128.14	15.08	NM	NM	132.98	9.87	NM	NM
11/30/06	NM	NM	DRY	DRY	NM	NM	126.30	16.23	NM	NM	NM	NM
03/26/07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
06/20/07	DRY	DRY	NM	NM	NM	NM	125.10	17.43	NM	NM	NM	NM
09/10/07	DRY	DRY	NM	NM	NM	NM	126.41	16.12	NM	NM	NM	NM
12/11/07	DRY	DRY	NM	NM	NM	NM	126.60	15.93	NM	NM	NM	NM
01/30/08	DRY	DRY	DRY	DRY	127.25	15.97	127.26	15.27	132.93	9.92	NM	NM
03/14/08	129.12	14.31	NM	NM	NM	NM	129.48	13.1	NM	NM	NM	NM
06/30/08	DRY	DRY	NM	NM	NM	NM	127.69	14.84	NM	NM	NM	NM
09/24/08	131.40	12.03	NM	NM	NM	NM	131.01	11.52	NM	NM	NM	NM
01/05/09	128.88	14.55	NM	NM	NM	NM	128.51	14.02	NM	NM	NM	NM

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**Facility Name:** Shadd Property &  
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WELL NO.	MW-44S		MW-45S		MW-46S		MW-47S		MW-48S		MW-51S	
	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
DIAMETER (INCH)	2		2		2		2		2		2	
WELL DEPTH	25		24		25		20		25		28	
SCREEN INTERVAL	15-25		14-24		15-25		10-20		15-25		18-28	
TOC ELEVATION	149.71		145.5		145.23		144.65		146.02		144.29	
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	126.49	17.22		NM	NM		126.47	18.18		NM	NM	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	135.43	8.28		NM	NM		135.62	9.03		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	131.95	11.76		NM	NM		132.11	12.54		NM	NM	
11/13/2003*	129.90	13.81		NM	NM		132.90	11.75		NM	NM	
2/18/2004*	129.01	14.7		NM	NM		NM	NM		NM	NM	
5/28/2004*	128.71	15		NM	NM		128.77	15.88		NM	NM	
10/6/2004*	136.06	7.65		NM	NM		135.98	8.67		NM	NM	
06/06/06	130.18	13.53		NM	NM		NM	NM		NM	NM	
08/30/06	128.50	15.21		NM	NM		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		126.54	18.11		NM	NM	
03/25/07	128.15	15.56		NM	NM		NM	NM		NM	NM	
06/20/07	126.43	17.28		NM	NM		NM	NM		NM	NM	
09/10/07	126.71	17.00		NM	NM		NM	NM		NM	NM	
12/11/07	126.89	16.82		NM	NM		NM	NM		NM	NM	
01/30/08	127.52	16.19		NM	NM		127.61	17.04		NM	NM	
03/14/08	129.72	13.99		NM	NM		127.68	17.55		NM	NM	
06/30/08	128.02	15.69		NM	NM		NM	NM		NM	NM	
09/24/08	131.37	12.34		NM	NM		NM	NM		NM	NM	
01/05/09	128.81	14.90		NM	NM		NM	NM		NM	NM	

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WELL NO.	MW-52S		MW-53S		MW-54S		MW-3I		MW-4I		MW-14I	
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
DIAMETER (INCH)	2	2	2	2	2	2	2	2	2	2	2	2
WELL DEPTH	18	18	17	17	17	17	56	56	56	56	56	56
SCREEN INTERVAL	8-18	8-18	7-17	7-17	7-17	7-17	35-50	35-50	35-50	35-50	35-50	35-50
TOC ELEVATION	146.59	145	146.32	146.32	146.32	146.32	143.96	143.96	143.96	143.96	143.96	147.17
DATE	1/23/2002*											
	2/5/2003*											
	3/17/2003*											
	4/21/2003*											
	5/19/2003*											
	6/2/2003*											
	11/13/2003*											
	2/18/2004*											
	6/28/2004*											
	10/6/2004*											
	07/30/12											

WELL NO.	MW-21I		MW-22I		MW-27I		MW-28I		MW-31I		MW-32I	
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
DIAMETER (INCH)	2	2	2	2	2	2	2	2	2	2	2	2
WELL DEPTH	45	40	40	40	40	40	40	40	35	35	55	55
SCREEN INTERVAL	35-45	30-40	30-40	30-40	30-40	30-40	30-40	30-40	25-35	25-35	45-55	45-55
TOC ELEVATION	142.32	137.12	143.13	143.13	143.13	143.13	140.54	140.54	138.38	138.38	138.97	138.97
DATE	1/23/2002*											
	2/5/2003*											
	3/17/2003*											
	4/21/2003*											
	5/19/2003*											
	6/2/2003*											
	11/13/2003*											
	2/18/2004*											
	6/28/2004*											
	10/6/2004*											
	09/22/05											
	06/05/06											
	08/30/06											
	11/30/06											
	03/26/07											

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WELL NO.	MW-331		MW-381		MW-391		MW-401		MW-411		MW-421	
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
DIAMETER (INCH)	2			2			2			2		
WELL DEPTH	48		37	40			40		45			40
SCREEN INTERVAL	38-48		27-37	30-40			30-40		35-45			30-40
TOC ELEVATION	143.4		141.85	142.83			135.54		137.43			142.22
DATE												
1/23/2002*	121.07	22.33		121.12	20.73		121.71	13.83		120.98	16.45	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	129.88	13.52		NM	NM		NM	NM		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	125.85	17.55		125.98	15.92		125.85	16.78		NM	NM	
11/13/2003*	124.45	18.95		124.48	17.37		NM	NM		CNL	CNL	
2/18/2004*	123.73	19.67		123.66	18.19		NM	NM		CNL	CNL	
6/28/2004*	NM	NM		122.51	19.34		NM	NM		122.45	14.98	
10/6/2004*	130.20	13.2		130.19	11.66		NM	NM		NM	NM	
08/30/06	NM	NM		122.24	15.61		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM	

WELL NO.	MW-491		MW-501		MW-511		MW-551		MW-561		MW-571	
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
DIAMETER (INCH)	2			2			2			2		
WELL DEPTH	43		40	50			NM			NM		
SCREEN INTERVAL	33-43		30-40	40-50			NM			NM		
TOC ELEVATION	143.65		142.65	142.65			NM			NM		
DATE												
1/23/2002*	NM	NM		NM	NM			16		NM	NM	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
11/13/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
2/18/2004*	NM	NM		NM	NM		NM	NM		NM	NM	
6/28/2004*	122.20	21.45		NM	NM		NM	NM		NM	NM	
10/6/2004*	NM	NM		NM	NM		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM	
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM	
07/30/12	NM	NM		NM	NM		NM	NM		NM	NM	
11/05/12	NM	NM		NM	NM		NM	NM		NM	NM	
03/07/13	NM	NM		NM	NM		NM	NM		NM	NM	
01/20/14	NM	NM		NM	NM		NM	NM		NM	NM	

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WELL NO.	MW-1D		MW-4D		MW-12D		MW-18D		MW-22D			
	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW		
DIAMETER (INCH)	2	2	85	57	75	80						
WELL DEPTH	48-53	80-85	52-57	70-75	75-80							
SCREEN INTERVAL	146.37	144.18	140.1	140.6	137.35							
TOC ELEVATION												
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	121.10	25.27		121.09	23.09		NM	NM		NM	NM	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	NM	NM		128.93	15.25		129.82	10.28		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
11/13/2003*	124.46	21.91		NM	NM		NM	NM		NM	NM	
2/18/2004*	NM	NM		NM	NM		NM	NM		NM	NM	
6/26/2004*	NM	NM		122.60	21.58		122.38	17.72		NM	NM	
10/6/2004*	NM	NM		NM	NM		130.10	10		NM	NM	
09/21/05	NM	NM		127.58	16.6		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM	
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM	
01/30/08	NM	NM		NM	NM		NM	NM		120.86	19.74	
07/30/12	Abandoned			Abandoned			CNL	CNL		NM	NM	

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WELL NO. DIAMETER (INCH) WELL DEPTH SCREEN INTERVAL TOC ELEVATION	MW-58S			MW-59S			MW-60S			MW-61S			MW-62S		
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
05/04/05	134.73	13.25		135.05	11.95		NM	NM		134.34	12.7		134.61	13.55	
05/17/05	NM	NM		135.70	11.3		135.49	12		134.94	12.1		135.16	13	
06/06/06	NM	NM		NM	NM		NM	NM		NM	NM		130.00	18.16	
08/30/06	NM	NM		128.35	18.65		NM	NM		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		126.70	20.79		126.40	20.64		NM	NM	
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
06/20/07	NM	NM		NM	NM		126.74	20.75		NM	NM		DRY	DRY	
09/10/07	NM	NM		NM	NM		126.74	20.75		NM	NM		DRY	DRY	
12/11/07	NM	NM		NM	NM		127.10	20.39		NM	NM		DRY	DRY	
01/30/08	NM	NM		127.07	19.93		127.92	19.57		125.51	21.53		DRY	DRY	
03/19/08	NM	NM		NM	NM		128.22	19.27		NM	NM		128.13	20.03	
06/30/08	NM	NM		NM	NM		127.84	19.65		NM	NM		127.73	20.43	
08/24/08	NM	NM		NM	NM		130.87	16.62		NM	NM		130.53	17.63	
01/06/09	NM	NM		NM	NM		128.50	18.99		NM	NM		128.32	19.84	
08/05/10	132.80	15.38		NM	NM		133.50	13.99		132.95	14.09		133.19	14.97	
07/19/11	NM	NM		NM	NM		128.76	18.73		NM	NM		128.56	19.6	
07/30/12	Abandoned			NM	NM		NM	NM		Abandoned			Abandoned		
11/05/12	Abandoned			NM	NM		133.52	13.97		Abandoned			Abandoned		
03/07/13	Abandoned			NM	NM		132.17	15.32		Abandoned			Abandoned		
01/20/14	Abandoned			NM	NM		133.16	14.33		Abandoned			Abandoned		

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WELL NO.	MW-63S		MW-64S		MW-66S		MW-26C		MW-27C			
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
DIAMETER (INCH)	2		2		2		2		2			
WELL DEPTH	22		22		25		25.33		25			
SCREEN INTERVAL	5-22		5-22		5-25		10-25		10-25			
TOC ELEVATION	146.61		146.16		143		147.89		147.94			
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
04/02/03	NM	NM		NM	NM		133.72	14.17		133.87	14.07	
05/04/05	NM	NM		134.30	8.7		NM	NM		NM	NM	
05/05/05	NM	NM		134.66	11.5		NM	NM		NM	NM	
05/06/05	136.31	10.3		NM	NM		NM	NM		NM	NM	
05/17/05	NM	NM		134.95	8.05		NM	NM		NM	NM	
08/30/05	NM	NM		128.31	14.69		NM	NM		NM	NM	
11/30/06	127.37	19.24		NM	NM		NM	NM		NM	NM	
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM	
01/30/08	127.14	19.47		126.28	19.88		NM	NM		NM	NM	
08/09/10	134.96	11.65		133.20	12.96		130.17	12.83		133.51	14.43	
07/19/11	130.17	16.44		NM	NM		NM	NM		NM	NM	
07/30/12	134.78	11.83		NM	NM		Abandoned			Abandoned		
11/05/12	134.01	12.6		NM	NM		Abandoned			Abandoned		
01/20/14	133.77	12.84		NM	NM		Abandoned			Abandoned		

WELL NO.	MW-28C		MW-29C		MW-30C		MW-31C					
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP			
DIAMETER (INCH)	2		2		2		2					
WELL DEPTH	25.38		23.95		25		25					
SCREEN INTERVAL	10-25		9-24		10-25		10-25					
TOC ELEVATION	146.32		148.08		147.46		148.14					
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
04/02/03	134.07	14.25		134.20	13.88		134.32	13.82				
06/06/06	129.82	18.5		NM	NM		NM	NM		NM	NM	
08/30/06	NM	NM		NM	NM		NM	NM		128.72	19.42	
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM	
03/26/07	127.84	20.48		NM	NM		NM	NM		NM	NM	
12/11/07	NM	NM		NM	NM		CNL			NM	NM	
03/14/08	NM	NM		128.79	19.29		NM	NM		NM	NM	
06/30/08	NM	NM		NM	NM		128.01	19.45		NM	NM	
09/24/08	NM	NM		NM	NM		131.14	16.32		NM	NM	
01/05/09	NM	NM		NM	NM		128.65	18.81		NM	NM	
08/09/10	NM	NM		NM	NM		134.02	13.44		133.72	14.42	
07/19/11	NM	NM		NM	NM		128.92	18.54		NM	NM	
07/30/12	NM	NM		NM	NM		134.66	12.8		134.40	13.74	
11/05/12	NM	NM		NM	NM		133.91	13.55		133.54	14.6	
03/07/13	NM	NM		NM	NM		132.41	15.05		132.26	15.88	
01/20/14	NM	NM		NM	NM		134.04	13.42		NM	NM	

# TABLE 1: Groundwater Elevation Summary

Facility Name: Shadd Property &  
 Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility  
 63 8517149 Sunrise Food Mart and Gas Stop

All Measurements = Feet  
 NM = Not Measured  
 NA = Not Applicable / Not Available  
 CNL = Could Not Locate  
 \* = Historical Data

WELL NO.	MW-9S		MW-3SR		MW-3SSR		MW-67S		MW-31R		MW-221R	
	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
DIAMETER (INCH)	2	2	2	2	2	2	2	2	2	2	2	2
WELL DEPTH	23	22	25	25	25	25	25	45	45	45	50	50
SCREEN INTERVAL	13-23	7-22	10-25	10-25	10-25	10-25	10-25	35-45	35-45	35-45	40-50	40-50
TOC ELEVATION	142.29	140.51	141.57	140.68	141.57	140.68	140.55	140.55	140.55	140.55	140.38	140.38
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	125.19	16.10		NM	NM		NM	NM		NM	NM	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	133.99	8.30		NM	NM		NM	NM		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	131.13	11.16		NM	NM		NM	NM		NM	NM	
11/13/2003*	NM	NM		NM	NM		NM	NM		NM	NM	
11/4/2003*	128.35	13.94		NM	NM		NM	NM		NM	NM	
5/28/2004*	128.07	14.22		NM	NM		NM	NM		NM	NM	
10/6/2004*	NM	NM		NM	NM		NM	NM		NM	NM	
05/04/05	NM	NM		NM	NM		NM	NM		NM	NM	
05/17/05	NM	NM		NM	NM		NM	NM		NM	NM	
09/21/05	132.24	10.05		NM	NM		NM	NM		NM	NM	
06/05/06	NM	NM		NM	NM		NM	NM		NM	NM	
08/30/06	NM	NM		NM	NM		NM	NM		NM	NM	
11/30/06	126.25	16.04		NM	NM		NM	NM		NM	NM	
08/09/10	133.19	9.10		NM	NM		NM	NM		NM	NM	
08/25/10	133.80	8.49		128.53	11.98		130.90	10.67		130.42	10.18	
06/14/11	NM	NM		NM	NM		NM	NM		NM	NM	
07/19/11	NM	NM		NM	NM		127.95	13.62		NM	NM	
04/03/12	NM	NM		127.83	13.74		126.51	14.17		NM	NM	
07/30/12	NM	NM		132.97	8.60		132.44	8.24		NM	NM	
11/05/12	NM	NM		132.53	9.04		131.88	8.80		NM	NM	
03/08/13	NM	NM		131.15	10.42		130.95	9.73		NM	NM	
01/20/14	NM	NM		131.87	9.70		131.73	8.95		NM	NM	

**TABLE 1: Groundwater Elevation Summary**

Facility Name: Shadd Property &  
Coastal Mart (aka Sunrise Food Mart)  
Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility  
63 8517149 Sunrise Food Mart and Gas Stop

All Measurements = Feet  
NM = Not Measured  
NA = Not Applicable / Not Available  
CNL = Could Not Locate  
\* = Historical Data

WELL NO.	MW-27IR			MW-40IR			MW-4SR			MW-4IR			MW-4DR			MW-5SR		
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
DIAMETER (INCH)	2	2		2	2		2	2		2	2		2	2		2	2	
WELL DEPTH	40	50		50	25		25	57		86	25		86	25		86	25	
SCREEN INTERVAL	30-40	40-50		40-50	40-50		40-50	57		57	25		57	25		25	25	
TOC ELEVATION	143.31	138.95		138.95	144.5		144.5	144.15		144.15	144.31		144.31	146.38		146.38	146.38	
DATE																		
08/26/10	127.31	16.00		128.61	10.34													
06/14/11	NM	NM		123.20	15.75													
04/03/12	NM	NM		123.49	15.46		128.16	16.34		122.41	21.74		122.41	21.90		127.80	18.56	
07/30/12	NM	NM		128.35	10.60		133.80	10.70		127.45	16.70		127.45	NM		133.83	12.55	
11/05/12	NM	NM		127.99	10.96		133.10	11.40		126.89	17.26		126.89	NM		133.38	13.00	
03/07/13	NM	NM		126.95	12.00		131.79	12.71		125.79	18.36		125.79	NM		131.74	14.64	
01/20/14	NM	NM		127.13	11.82		132.70	11.80		126.30	17.95		126.30	NM		132.63	13.75	

WELL NO.	MW-6R2			MW-7R2			MW-8R2			MW-23SR			MW-26CR		
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
DIAMETER (INCH)	2	2		2	2		2	2		2	2		2	2	
WELL DEPTH	25	25		25	25		25	25		25	25		25	25	
SCREEN INTERVAL															
TOC ELEVATION	145.69	145.04		145.04	148.33		148.33	148.19		148.33	148.19		148.19	148.19	
DATE															
04/03/12	128.39	17.30		126.40	18.60		128.73	16.31		128.51	19.82		128.51	19.80	
07/30/12	134.21	11.48		NM	NM		134.64	10.40		134.06	14.27		134.21	13.98	
11/05/12	133.45	12.24		NM	NM		133.84	11.20		133.43	14.90		133.43	14.93	
03/07/13	131.97	13.72		NM	NM		132.53	12.51		131.95	16.38		131.95	16.35	
01/20/14	132.86	12.83		NM	NM		133.45	11.59		132.93	15.40		132.93	15.45	

WELL NO.	MW-27CR			MW-51SR			MW-62SR			MW-66SR			MW-69S			MW-1DR		
	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
DIAMETER (INCH)	2	2		2	2		2	2		2	2		2	2		2	2	
WELL DEPTH	25	25		25	25		25	25		25	25		25	25		85	85	
SCREEN INTERVAL	10-25	10-25		10-25	10-25		10-25	10-25		10-25	10-25		10-25	10-25		80-85	80-85	
TOC ELEVATION	148.54	146.86		146.86	148.11		148.11	142.68		142.68	139.27		139.27	148.22		148.22	148.22	
DATE																		
04/03/12	128.98	19.56		128.17	18.69		128.43	19.68		128.91	13.77		127.12	12.15		122.41	25.81	
07/30/12	134.77	13.77		NM	NM		134.17	13.94		NM	NM		132.06	7.21		NM	NM	
11/05/12	133.89	14.65		133.13	13.73		133.27	14.84		NM	NM		131.34	7.93		NM	NM	
03/07/13	132.47	16.07		131.55	15.31		131.83	16.28		NM	NM		130.65	8.62		NM	NM	
01/20/14	133.32	15.22		132.40	14.46		132.78	15.33		NM	NM		131.47	7.8		NM	NM	

Information prior to 2002 is available in historical reports

## TABLE 2: Groundwater Analytical Summary

**Facility Name:** Shadd Property & Coastal Mart (aka Sunrise Food Mart) Lake Butler, Union County, Florida  
**Facility ID:** 63 9807182 Shadd Facility  
 63 8517143 Sunrise Food Mart and Gas Stop  
**Analytical Results = ug/L**  
 ED8 = 1,2-Dibromochlorobenzene  
 MTBE = Methyl-tert-butyl-ether  
 DTW = Depth to Water  
 ND/DCQ = Not detected (minimum detection level)  
 Note: Analytical information prior to 2002 is available in historical reports  
 N/A = not analyzed

Sample Location	Date	DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	ED8	Naphthalene	1-Methyl naphthalene		2-Methyl naphthalene		Ace-naphthalene	Ace-naphthalene	Fluorene	TRPH	Lead
											28	28	28	28					
MW-1S	06/02/03	14.57	1	40	30	20	NA	20	0.02	14	28	28	28	210	230	5,000	15		
	07/10/03	18.00	83	390	230	3900	-9303	490	0.37	12	4.6	5.3	NA	<0.02	<0.02	NA			
	09/28/04	19.57	810	<10	<10	<10	15	120	0.75	NA	NA	NA	NA	NA	NA	NA			
	10/06/04	12.46	1700	<1	4.2	14	18.5	47	<0.02	NA	NA	NA	NA	NA	NA	NA			
	05/08/05	12.45	770	4900	200	4900	5292	820	0.4	<1	<1	<1	<1	<1	<1	NA			
	05/04/05	11.35	12	180	8.0	31	40.53	14	NA	NA	NA	NA	NA	NA	NA	NA			
	05/17/05	11.45	1.0	0.53	0.25 U	0.58 U	<1.45	0.21 U	0.095 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.018 U	59 U	NA		
	08/09/10	13.41	0.38 U	0.24 U	0.25 U	0.58 U	<1.45	0.21 U	0.095 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.018 U	59 U	NA		
	04/04/12	25.61	0.38 U	0.24 U	0.25 U	0.58 U	<1.45	0.21 U	0.095 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.018 U	59 U	NA		
	MW-2S	06/02/03	16.28	2900	19000	2900	16000	40000	<5,000	34	960	130	220	<10	<10	<10	NA		
11/13/03		17.62	4000	23000	2400	14000	43400	<2,500	29	650	88	150	<10	<10	<10	NA			
06/28/04		19.57	810	1200	430	1700	3990	1400	0.13	NA	NA	NA	NA	NA	NA	NA			
10/06/04		12.46	1700	14000	1900	11000	28600	2400	10	350	343	52	<4	<4	<4	NA			
05/08/05		12.45	770	4900	890	5200	11360	1200	3.6	130	14	20	<1	<1	<1	NA			
06/30/06		18.87	1200	150	1200	3920	5370	1300	NA	NA	NA	NA	NA	NA	NA	NA			
11/30/06		21.02	1100	2780	960	960	2780	1500	<0.0027	NA	NA	NA	NA	NA	NA	NA			
06/20/07		21.14	349	243 V	455	2210	3297	364	NA	0.895 U	0.286 U	0.327 U	0.0962 U	<0.035	0.051 U	226 U	NA		
09/03/07		21.25	23.3	8.29	20.2	45.4	97.19	24.1	NA	<0.070	<0.082	<0.088	<0.030	<0.035	<0.037	320	NA		
12/16/07		20.94	125	5.01	84.8	74.1	280.01	198	NA	NA	NA	NA	NA	NA	NA	516	NA		
03/13/08		19.76	39.4	97.2	51.8	415	603.4	125	NA	ND[0.070]	ND[0.052]	ND[0.098]	ND[0.030]	ND[0.035]	ND[0.037]	1510	NA		
06/30/08		18.82	288	778	830	3815	3815	380	NA	NA	NA	NA	NA	NA	NA	56000	NA		
06/24/08		17.25	167	357	385	3580	4459	310	NA	NA	NA	NA	NA	NA	NA	17000	NA		
01/08/09		18.36	138	164	645	6580	7528	227	NA	NA	NA	NA	NA	NA	NA	10000	NA		
04/22/09		18.10	46	410	320	3600	4378	140	NA	NA	NA	NA	NA	NA	NA	NA	NA		
07/01/09	17.51	271	150	320	4400	4877	130	NA	NA	NA	NA	NA	NA	NA	NA	NA			
09/21/09	15.91	321	140	260	2800	3200	160	NA	NA	NA	NA	NA	NA	NA	NA	NA			
02/18/10	14.74	221	130	320	3800	4372	150	NA	NA	NA	NA	NA	NA	NA	NA	NA			
06/03/10	14.67	111	69	210	3100	3580	70	NA	NA	NA	NA	NA	NA	NA	NA	22,000	NA		
07/18/11	18.14	37	74	240	2300	2851	110	NA	NA	NA	NA	NA	NA	NA	NA	5,900	NA		
07/30/12																			
09/07/13	16.00	85	210	500	7,300	8075	89	NA	NA	NA	NA	NA	NA	NA	NA	16,000	NA		
10/12/14	15.15	31	48	310	1,800	2189	4.4 U	NA	NA	NA	NA	NA	NA	NA	NA	4,800	NA		
MW-3S	03/17/03	6.42	<1	<1	<1	<2	<5	<1	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA			
	06/02/03	6.36	<1	<1	<1	<2	<5	<10	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA			
	11/13/03	10.37	<1	<1	<1	<2	<5	<10	<0.02	NA	NA	NA	NA	NA	NA	NA			
	02/19/04	13.36	<1	<1	<1	<2	<5	<10	<0.02	NA	NA	NA	NA	NA	NA	NA			
	10/06/04	6.14	<1	<1	<1	<2	<5	7	NA	NA	NA	NA	NA	NA	NA	NA			
06/26/06	15.75	<1	<1	<1	<2	<5	7	NA	NA	NA	NA	NA	NA	NA	NA				
03/26/07																			
MW-3SR	08/28/10	6.49	0.28 U	0.24 U	0.25 U	0.68 U	<1.45	0.21 U	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	03/17/09	NM	<1	<1	<1	<2	<5	<1	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA			
	06/02/03	13.86	<1	<1	<1	<2	<5	<10	<0.02	NA	NA	NA	NA	NA	NA	NA			
MW-3I	11/13/03	15.42	<1	<1	<1	<2	<5	12	<0.02	NA	NA	NA	NA	NA	NA	NA			
	10/06/04	9.78	15	<1	<1	21	35	27	0.26	NA	NA	NA	NA	NA	NA	NA			
MW-3IR	08/25/10	13.26	1.4	0.24 U	0.25 U	0.68 U	1.4	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA		

**TABLE 2: Groundwater Analytical Summary**

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart) Lake Butler, Union County, Florida  
 Facility ID#: 63 9307182 Shadd Facility Sunrise Food Mart and Gas Stop  
 63 8317149  
 Analytical Results = ug/L  
 EDB = 1,2-Dibromoethane  
 MTBE = Methyl-tert-butyl-ether  
 DTW = Depth to Water  
 ND/XX = Not detected [minimum detection level]  
 Note: Analytical information prior to 2002 is available in historical reports  
 NA = not analyzed

Sample Location	Date	DTW	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Fluorene	TPPH	Lead
MW-4S	01/23/02	18.30	3100	11000	1600	11000	28703	<2,500	NA	14	28	28	20	210	280	5,000	15
	03/17/03	12.03	26	21	<1	1100	1147	<1	unclear	140	NA	NA	NA	NA	NA	NA	NA
	06/02/03	13.45	810	100	260	1400	2870	190	1.8	130	60	150	<2	<2	<2	NA	NA
	11/13/03	14.86	1600	3200	340	1800	6950	1200	4.8	92	33	65	<2	<2	<2	NA	NA
	02/18/04	15.97	780	1600	150	820	3350	160	2.3	NA	NA	NA	NA	NA	NA	NA	NA
	06/28/04	16.45	260	880	83	550	1573	65	0.34	NA	NA	NA	NA	NA	NA	NA	NA
	10/05/04	8.88	12	1.4	8.8	84	106.2	16	<0.02	27	18	26	0.5	<0.02	0.7	NA	NA
	09/21/05	11.65	34	30	6.2	59	129.2	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/03/06	18.11	6.6	2.1	20.8	33.3	0.351	<0.0027	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/20/07	18.13	2730	8670 V	718	3210	13528	823	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/07	18.14	8450	19900	1590	7720	37620	2190	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/16/07	18.00	851	1990	300	1480	4621	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/12/08	20.73	22.1	484	64.7	1021.8	ND(3.9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/03/08	12.00	1940	3720	677	3890	10027	387	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09/24/08	13.74	32.6	5.691	47.2	8.281	91.97	11.21	NA	NA	NA	NA	NA	NA	NA	NA	NA	
01/06/09	16.05	1400	1740	918	5190	9008	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	
04/22/09	14.91	90	18	120	780	1068	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	
07/01/09	14.91	33	67	24	150	274	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08/21/09	13.13	16	0.701	9.5	43	69.2	0.991	NA	NA	NA	NA	NA	NA	NA	NA	NA	
02/10/10	11.25	170	16	36	290	512	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	
06/08/10	11.22	24	1.2	14	51	80.2	2.4	0.0660 U	NA	NA	NA	NA	NA	NA	NA	NA	
08/14/11	15.51	16	5.3	36	170	227.3	1.1	0.0091 U	13	3.7	7.2	0.0341	0.022 U	0.0381	NA	NA	
07/30/12									Abandoned								
MW-4SR	04/03/12	16.34	850	3,900	1,100	7,200	12,850	23	NA	210	34	68	0.441	0.46 U	0.40 U	NA	NA
	07/30/12	10.70	6.7	0.581	7.4	3.7	16.38	0.191	NA	3.1	0.76	1.3	0.026 U	0.022 U	0.019 U	NA	NA
	11/05/12	11.40	3.5	4.0	3.1	4.0	14.6	0.151	NA	1.7	0.44	0.80	0.026 U	0.022 U	0.019 U	NA	NA
	03/08/13	12.71	2.4	0.591	2.1	1.71	7.19	0.191	NA	1.1	0.46	0.71	0.040 U	0.025 U	0.025 U	NA	NA
	01/21/14	11.80	2.1	0.51 U	1.2	0.921	4.22	0.44 U	NA	1.1	0.46	0.71	0.040 U	0.025 U	0.025 U	NA	NA
MW-4I	01/25/02	22.78	13	<1	5	<2	<21	25	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/17/03	13.89	<1	<1	<1	<2	<3	43	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	NA
	11/19/03	19.33	<1	<1	<1	<2	<5	29	<0.02	NA	NA	NA	NA	NA	NA	NA	NA
	02/18/04	20.20	<1	<1	<1	<2	<5	15	<0.03	NA	NA	NA	NA	NA	NA	NA	NA
	10/08/04	13.60	<1	<1	<1	<2	<5	9	<0.02	NA	NA	NA	NA	NA	NA	NA	NA
07/30/12								Abandoned									
MW-4IR	04/03/12	21.74	6.6	1.3	1.3	7.2	16.4	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/30/12	16.70	2.8	0.251	7.5	1.1	11.65	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/05/12	17.26	3.9	0.14 U	13	0.44 U	16.9	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/08/13	16.36	0.281	0.14 U	0.791	0.44 U	1.07	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/21/14	17.85	0.50 U	0.51 U	0.44 U	0.50 U	BOL	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4D	06/29/04	21.58	<1	<1	<1	<2	<5	<10	<0.02	NA	NA	NA	NA	NA	NA	NA	NA
	09/21/05	16.60	<1	<1	<1	<2	<5	<5.0	<0.10	NA	NA	NA	NA	NA	NA	NA	NA
07/30/12								Abandoned									
MW-4DR	04/03/12	21.90	0.26 U	0.411	0.25 U	1.21	<1.5	0.781	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/30/12								Abandoned								

**TABLE 2: Groundwater Analytical Summary**

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 63 8907162 Shadd Facility  
 63 8571169 Sunrise Food Mart and Gas Stop

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

Analytical Results - ug/L  
 EDB = 1,2-Dibromoethane  
 MTBE = Methyl-tert-butyl-ether  
 DTW = Depth to Water  
 ND(P) = Not Detected (Minimum detection level)  
 Note: Analytical information prior to 2002 is available in historical reports  
 NA = Not analyzed

Sample Location	Date	DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Fluorene	TriPH	Lead
FSP Groundwater Cleanup Target Level for Groundwater Sample (ug/L)																	
	09/21/05	13.31	4200	16000	1300	9400	30600	320	21	230	25	45	<1	<1	<1	29000	
	09/30/05	17.50	5000	38000	2500	12800	59000	160	35	270	36	63	<1	<1	<1	50000	
	09/20/07	19.91															
	09/10/07	21.44															
	12/11/07	20.14															
	03/12/08	18.10															
	06/30/08	18.75	686	9210	1450	7590	17946	60.0	NA	NA	NA	NA	NA	NA	NA	32100	
	09/24/08	15.55	966	11400	1930	10800	25056	77.6	13.1	NA	NA	NA	NA	NA	NA	25400	
MW-SS	07/05/08	17.85	2550	19200	3190	19500	44260	94.5	ND[0.015]	NA	NA	NA	NA	NA	NA	NA	
	04/22/09	16.76	660	9900	1700	12000	32380	33	28	760	84	190	ND[0.08]	ND[0.05]	ND[1.0]	18000	
	07/01/09	16.32	860	8100	1900	12000	22480	48.1	27	NA	NA	NA	NA	NA	NA	NA	
	06/21/09	14.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/16/10	13.07	1100	14000	1900	13000	29000	ND[42]	17	NA	NA	NA	NA	NA	NA	NA	2.0 U
	08/09/10	19.79	0.25 U	0.24 U	0.25 U	0.68 U	BDL	1.9	0.065 U	NA	NA	NA	NA	NA	NA	NA	
	08/14/11	23.95	0.29 U	0.24 U	0.25 U	0.58 U	BDL	3.1	NA	0.30	0.053 U	0.083 U	0.023 U	0.021 U	0.020 U	NA	
	07/30/12																
	04/03/12	18.58	511	1490	590	5100	7180	21 U	0.24	150	21	40	0.101	0.022 U	0.093 U	NA	NA
	07/30/12	12.55	0.13 U	0.39 U	1.4	2.3	4.09	0.16 U	NA	0.31	0.089 U	0.028 U	0.021 U	0.022 U	0.020 U	NA	NA
	11/05/12	13.00	1.5	1.5	0.15 U	0.44 U	1.5	0.13 U	NA	0.16 U	0.043 U	0.10 U	0.020 U	0.079 U	0.050 U	NA	NA
MW-SSR	03/08/13	14.64	5.4	28	440	920	1934.4	2.4	NA	68	12	23	0.060 U	0.050 U	0.050 U	NA	NA
	01/21/14	13.75	3.6	36	370	540	848.6	0.88 U	NA	64	15	28	0.19 U	0.050 U	0.10 U	NA	NA
	05/04/05	10.75	6600	25000	3000	21000	55600	4200	55	1100	92	160	<1	<1	<1	NA	NA
	08/06/06	15.46	8900	18000	2100	16000	44900	1700	1.8	360	36	68	0.084	<1	0.066	39000	
	04/03/07	17.54	4270	13,800 V	1710	9390	29170	318.1	4.85	239	24.4	33.1	0.093 U	0.04	0.045 U	27600	
	06/20/07	19.21	1640	59.6 V	323	1300	3522.6	125	<0.027	0.46 U	0.428 U	<0.11 *	0.0436 U	<0.039 *	3800		
	09/10/07	15.30	1030	226	171	355	1762	67.2	0.289	0.375 U	0.31 U	0.252 U	<0.055	<0.057	10300		
	12/11/07	19.10	862	598	247	667	2395	87.2	NA	NA	NA	NA	NA	NA	2,020		
	09/12/08	17.20	341	465	144	508	1458	ND[0.5]	0.021	0.0974 U	0.113 U	0.276 U	ND[0.050]	ND[0.057]	1,500		
	06/30/08	19.30	1030	522	126	349	2027	26.6 U	0.049	NA	NA	NA	NA	NA	6,810		
	09/24/08	14.81	13.1	13.1	2.59	87.7	200.49	ND[0.20]	0.065	NA	NA	NA	NA	NA	1,030		
	01/09/09	16.89	7530	17300	1580	9970	36390	220	ND[0.010]	NA	NA	NA	NA	NA	NA	NA	
	04/22/09	16.23	1100	480	160	480	2240	18	0.13	ND[0.07]	6.3	4.3	0.071	0.044	1,200		
	07/01/09	15.38	6900	18000	1900	7900	34800	170	7.8	NA	NA	NA	NA	NA	NA	NA	
	08/27/09	13.91	1680	5200	2900	10090	450	5.4	NA	NA	NA	NA	NA	NA	NA	NA	
	02/16/10	11.67	6400	18000	1300	8900	32500	280 U	6.1	NA	NA	NA	NA	NA	NA	NA	
	08/09/10	CNL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/14/11	16.71	1000	4600	590	4700	10850	16	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/30/12																
	04/03/12	17.30	270	2,400	500	3,000	6,170	3.2	0.08	NA	NA	NA	NA	NA	NA	NA	NA
	07/30/12	11.48	330	890	690	3900	5,500	3.5	0.031	NA	NA	NA	NA	NA	NA	NA	NA
MW-SR2	11/05/12	12.24	37	120	190	740	1,107	0.05 U	0.0025 U	NA	NA	NA	NA	NA	NA	NA	NA
	03/08/13	13.72	270	140	740	1100	2,250	1.3 U	0.0087 U	NA	NA	NA	NA	NA	NA	NA	NA
	01/21/14	12.83	210	3,600	1,000	3,400	8,210	4.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/17/03	12.58	4100	17000	1400	9300	31450	<250	35	540	62	120	<10	<10	NA	NA	
	06/02/05	14.41	3700	19000	1700	9900	34300	<5000	41	58	120	120	<10	<10	NA	NA	
	11/13/03	15.44	4600	18000	1600	11000	35000	3100	68	900	48	98	<10	<10	NA	NA	
	02/18/04	17.05	3400	8300	530	5300	17650	480	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/29/04	17.55	2300	11000	600	3400	17300	260	3.8	NA	NA	NA	NA	NA	NA	NA	NA
	10/05/04	8.97	2200	7200	540	2800	12740	<250	41	260	34	56	<4	<4	NA	NA	
	06/09/05	15.15	3400	9500	1800	8900	24400	<200	2.3	320	58	78	0.52	<1	0.54	33	

### TABLE 2: Groundwater Analytical Summary

**Facility Name:** Shield Property & Coastal Mart (aka Sunrise Food Mart)  
**Location:** Lake Butler, Union County, Florida  
**Facility ID#:** 63 8607162 Shield Facility  
**Address:** 63 857149 Sunrise Food Mart and Gas Stop

**Analytical Results = ug/L**  
**EDB = 1,2-Dibromoethane**  
**MTBE = Methyl-Tert-butyl-ether**  
**DTW = Depth to Water**  
**ND[XX] = Not detected (minimum detection level)**  
**Note:** Analytical information prior to 2002 is available in historical reports  
**NA = not analyzed**

Sample Location	Date	DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOC	MTBE	EDB	Naphthalene	1-Methyl naphthalene			2-Methyl naphthalene			Acenaphthylene	Fluorene	TRPH	Lead
											1-Methyl	2-Methyl	Acenaphthylene	1-Methyl	2-Methyl	Acenaphthylene				
MW-7R	05/04/05	10.70	4500	14000	1300	8400	28200	<250	13	180	37	50	NA	NA	NA	NA	NA	5,000	15	
	04/03/07	17.38	2090	5530 V	1610	8120	17250	98.1	7.32	Free Product	NA	NA	NA	NA	NA	NA	NA	NA	14100	
	08/20/07	18.81																		
	08/10/07	18.60	1310	6690	934	3770	12164	<39	7.77	132	19.11	30.6	0.0631	<0.035	0.0647	20100				
	12/11/07	18.80	1700	8320	841	3820	14581	<78	NA	NA	NA	NA	NA	NA	NA	8,420				
	03/12/08	16.77	351	1850	341	1110	3452	ND[16]	1.3	1.04	1.55	2	0.04591	ND[0.035]	0.05141	4,100				
	09/30/08	17.59	2150	18200	1520	7620	28490	ND[20]	10.7	7620	NA	NA	NA	NA	NA	48,000				
	09/24/08	14.52	364	1750	265	1280	3645	85.9	NA	NA	NA	NA	NA	NA	NA	16,600				
	01/08/08	16.71	3750	20200	2080	11380	37350	ND[0.010]	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	04/22/08	15.59	490	1700	170	1100	3490	16	13	ND[0.015]	ND[0.030]	ND[0.017]	ND[0.016]	ND[0.016]	10,000					
	07/01/08	15.17	850	6400	680	3600	11410	ND[30]	7.4	NA	NA	NA	NA	NA	NA	NA				
	09/21/08	13.88	480	5400	830	4400	11090	ND[21]	2.7	NA	NA	NA	NA	NA	NA	NA				
	02/16/10	CHL																		
06/08/10	12.52	51	870	130	1160	2151	4.01	0.38	0.15 U	0.29 U	0.16 U	0.15 U	0.086 U	0.17 U	20,000					
06/14/11	16.32	57	520	140	1200	1917	2.1 U	0.26	NA	NA	NA	NA	NA	NA	12					
07/30/12										Abandoned										
MW-7R2	04/03/12	18.60	0.28 U	0.28 U	0.25 U	0.63 U	<0.28	0.21 U	0.0061 U	NA	NA	NA	NA	NA	NA	94 U				
	09/21/05	12.38	4900	24000	1000	12000	42700	180	3	NA	NA	NA	NA	NA	NA	21000				
MW-SS	11/03/06	18.85	290	2300	370	2220	5880	<8.5	1	110	11	20.1	0.0841	<0.021	0.0891	12000				
	06/20/07	18.81	168	2320	460	3410	6556	<0.31	-	-	-	-	-	-	-	3980				
	09/10/07	20.15																		
	12/11/08	18.05																		
	03/12/08	16.32	1890	22400	2760	15600	42150	ND[200]	NA	NA	NA	NA	NA	NA	NA	ND[150]				
	06/30/08	17.72																		
	09/24/08	14.23	569	8980	1210	7980	18339	56.1	NA	NA	NA	NA	NA	NA	NA	21400				
	01/06/09	16.71	710	7040	1440	8620	18010	ND[8.80]	NA	NA	NA	NA	NA	NA	NA	NA				
	04/22/08	15.48	160	3200	580	4400	8340	ND[15]	0.67	410	71	110	ND[0.80]	ND[0.80]	ND[0.80]	NA				
	07/01/09	15.00	640	6000	790	5700	13320	22.1	1	NA	NA	NA	NA	NA	NA	NA				
	09/21/09	13.94	820	5900	790	5600	13010	39.1	2.9	NA	NA	NA	NA	NA	NA	NA				
	02/16/10	11.60	700	7200	830	6500	15330	ND[42]	2.4	NA	NA	NA	NA	NA	NA	NA				
	06/08/10	11.73	290	2000	420	3200	5910	21 U	2.5	540	89	120	0.78 U	0.48 U	0.86 U	NA			10	
06/14/11	16.25	390	14	94	110	608	140	NA	530	130	210	1.1 U	1.2 U	1.0 U	NA					
07/30/12										Abandoned										
MW-SR2	04/03/12	16.31	1,100	19,000	2,300	13,000	35,400	42 U	0.0141	260	31	59	0.40 U	0.43 U	0.38 U	22,000				
	07/07/12	10.40	220	2,300	260	1,400	4,180	1.2	NA	42	5.4	8.2	0.084 U	0.082 U	0.080 U	4,100				
	11/05/12	11.20	84	410	130	750	1,374	1.3 U	NA	25	4.7	7.7	0.0481 U	0.048 U	0.040 U	1,900				
	05/08/13	12.51	100	740	320	2100	5,260	1.3 U	NA	96	17	33	0.121	0.060 U	0.050 U	2,700				
	01/21/14	11.59	36	150	130	690	965	0.88 U	NA	29	19	35	0.23	0.025 U	0.171	NA				
MW-SS	03/17/03	8.30	<1	<1	<1	<2	<5	<1	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA				
	06/22/05	10.05	8.2	<1	<1.0	60	88.2	<5	NA	NA	NA	NA	NA	NA	NA	NA				
	11/20/06	16.04	8.2	0.65 U	1.4	3.23	11.39	0.23 U	NA	NA	NA	NA	NA	NA	NA	NA				
	08/09/10	9.10	0.28 U	0.24 U	0.35 U	0.68 U	0.33	0.21 U	NA	NA	NA	NA	NA	NA	NA	NA				
	09/17/03	6.90	<1	<1	<1	<2	<5	<1	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA				
MW-12S	11/13/03	11.31	<1	<1	<1	<2	<5	<1	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA				
	02/18/04	13.31	1300	1600	480	3960	37	2.8	NA	NA	NA	NA	NA	NA	NA	NA				
	10/06/04	5.54	<1	<1	<1	<2	<5	<1	<0.02	NA	NA	NA	NA	NA	NA	NA				

## TABLE 2: Groundwater Analytical Summary

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

Facility ID#: 83 9807182 Shadd Facility  
 83 8317148 Sunrise Food Mart and Gas Stop

Analytical Results = ug/L  
 EDB = 1,2-Dibromoethane  
 MTBE = Methyl-tert-butyl-ether  
 DTW = Depth to Water  
 ND1000 = Not detected (minimum detection level)  
 Note: Analytical information prior to 2002 is available in historical reports  
 NA= not analyzed

Sample Location	Date	DTW	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Fluorene	TRPH	Load
MW-12D	1/06/04	10.00	<1	<1	<1	<2	<5	24	<0.02	NA	28	28	20	210	280	5,000	15
	07/20/12									NA	NA	NA	NA	NA	NA	NA	NA
	1/05/12									Could Not Locate	Could Not Locate	Could Not Locate	Could Not Locate	Could Not Locate	Could Not Locate	Could Not Locate	Could Not Locate
MW-13S	03/09/10	13.55	0.28 U	0.24 U	0.25 U	0.65 U	BDL	0.21 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/28/04	8.60	<1	<1	<1	<2	<5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-16S	06/05/05	7.11	<1	<1	<1	<1	<5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/05/07	6.27	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-18S	03/17/03	5.11	130	6.4	19	5.6	161	200	<0.02	27	6	1	<1	<1	<1	NA	NA
	04/02/03	8.77	110	12	30	<20	152	100	<0.02	94	9.9	14	<2	<2	<2	NA	NA
	1/14/03	11.25	280	15	190	75	530	<50	0.07	80	12	20	<2	<2	<2	NA	NA
	05/29/04	12.37	1300	1500	450	4500	7850	130	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/04	5.01	100	41	25	450	616	150	0.2	81	28	50	0.4	<0.2	<0.2	NA	NA
	09/22/05	8.27	340	2.4	88	<20	430.4	36	NA	NA	NA	NA	NA	NA	NA	620	NA
MW-19S	1/14/03	12.71	2100	1800	350	4500	8750	730	6	270	75	150	<4	<4	<4	NA	NA
	05/26/04	13.85	1300	1500	450	4600	7850	130	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/04	6.35	100	41	25	450	616	150	0.2	81	28	50	0.4	<0.2	<0.2	NA	NA
	06/09/05	11.94	270	35	<10	150	456	140	NA	NA	NA	NA	NA	NA	NA	2400	NA
	12/01/05	15.78	450	250	620	1000	2350	321	NA	91	15	26	0.0581	<0.021	0.0451	4700	NA
	04/04/07	14.34	945	2130 U	382	1530	5257	96.0 U	NA	NA	NA	NA	NA	NA	NA	10600	NA
	06/03/07	21.14	752	4210	936	4440	10338	<3.1	NA	NA	NA	NA	NA	NA	NA	10600	NA
	07/11/07	15.57	1160	4500	521	2520	8701	<38	NA	NA	NA	NA	NA	NA	NA	13200	NA
	09/13/05	12.43	316	1.33	0.6501	9.23	14.57	2.721	NA	NA	NA	NA	NA	NA	NA	0.001	NA
	06/30/08	14.24	311	18.4	3.15	22.3	74.85	4.741	NA	NA	NA	NA	NA	NA	NA	2.980	NA
MW-21S	09/24/08	11.01	31.4	1.75	0.5401	2.341	36.03	5.42	NA	NA	NA	NA	NA	NA	NA	473	NA
	01/06/09	13.42	1.19	ND[0.470]	ND[0.520]	1.191	3.37	0.4601	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22I	06/02/03	11.00	<1	<1	<1	<2	<5	<10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NA	NA
	02/18/04	14.02	<1	<1	<1	<2	<5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-23R	05/02/03	16.85	<10	10	<10	<20	10	<100	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	NA
	05/28/04	19.54	<1	<1	<1	<2	<5	4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-23S	06/06/06	18.22	2.9	<1	<1	<2	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/26/10	10.18	55	5.1	60	18	138.1	26	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/14/11	15.23	0.28 U	0.24 U	0.25 U	0.68 U	BDL	18	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/03/12	15.03	71	1.0	17	5.1	84.1	16	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/12	10.71	85	0.811	25	31	141.61	15	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/05/12	10.68	93	8.0	66	69	296	15	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24S	03/07/13	16.38	240	2.280	280	270	2.280	9.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/21/14	15.40	390	6.50	260	1,100	2,600	240	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-25R	04/01/03	13.44	38.4	0.65	1.3	2.7	43.05	37.4	NA	1.1	<2	<2	<4.1	<4.1	<2	<950	NA
	1/06/04	11.95	<1	<1	<1	<2	<5	6.5	<0.02	NA	NA	NA	NA	NA	NA	NA	NA
MW-25S	06/09/10	14.06	0.28 U	0.24 U	0.25 U	0.68 U	BDL	0.481	NA	NA	NA	NA	NA	NA	NA	NA	2,000 U
	07/20/12									22	4.9	6.2	0.040 U	0.043 U	0.0481	NA	NA
MW-25R	04/04/12	19.82	390	1,300	230	1,400	3,320	64	0.031	76	25	46	0.21 U	0.11 U	0.13 U	3,800	NA
	07/21/12	14.77	98	220	160	940	1,418	150	NA	30	6.5	11	0.040 U	0.043 U	0.038 U	NA	NA
MW-25R	1/10/06/12	14.90	400	1,000	280	1,900	3,580	240	NA	110	36	56	0.31 U	0.27 U	0.271	NA	NA
	03/07/13	16.38	240	2.280	280	270	2.280	280	NA	32	9.4	16	0.041 U	0.025 U	0.087 U	NA	NA
MW-24S	01/21/14	15.40	390	6.50	260	1,100	2,600	240	NA	27	5.5	8.6	0.040 U	0.025 U	0.040 U	NA	NA
	04/02/03	13.44	38.4	0.65	1.3	2.7	43.05	37.4	NA	1.1	<2	<2	<4.1	<4.1	<2	<950	NA
MW-24S	1/06/04	11.95	<1	<1	<1	<2	<5	6.5	<0.02	NA	NA	NA	NA	NA	NA	NA	NA
	06/09/10	14.06	0.28 U	0.24 U	0.25 U	0.68 U	BDL	0.481	NA	NA	NA	NA	NA	NA	NA	NA	2,000 U

## TABLE 2: Groundwater Analytical Summary

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

Facility ID#: 83 9807182 Shadd Facility  
 83 857149 Sunrise Food Mart and Gas Stop

Analytical Results = ug/L  
 EDB = 1,2-Dibromoethane  
 MTBE = Methyl tert-butyl ether  
 DTW = Depth to Water  
 ND[0.01] = Not detected [minimum detection level]  
 Note: Analytical information prior to 2/02 is available in historical reports  
 NA= Not analyzed

Sample Location	Date	DTW	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total VOC	MTBE	EDB	Naphthalene		1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Fluorene	TPPH	Lead
										1-Methyl naphthalene	2-Methyl naphthalene							
MW-25 S	01/24/02	16.85	<1	<1	<1	<2	NA	2.0	0.02	14	28	28	210	280	5,000	15		
	03/17/03	1.4	<1	<1	<1	<2	1.4	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/02/03	10.35	2.4	<1	<1	<2	2.4	<10	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	NA	NA	NA	NA
	11/14/03	12.16	4.8	<1	<1	<2	4.6	12	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/04	5.57	<1	<1	<1	<2	<5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/20/07						CNL											
MW-26 S	06/20/07	16.03	6.00	7.56	2.48	16.0	32.07	1.481	NA	NA	NA	NA	NA	NA	NA	NA	8800	
	09/11/07	15.28	9.98	18.1	4.33	24.1	57.51	1.121	NA	NA	NA	NA	NA	NA	NA	NA	3621	
	12/11/07	15.15	11.80	14.40	5.32	28.3	50.86	3.741	NA	0.08841	ND[0.052]	ND[0.080]	ND[0.035]	ND[0.037]	NA	NA	2251	
	03/13/08	14.35	8.64	1.44	0.6101	2.451	13.14	1.081	NA	NA	NA	NA	NA	NA	NA	NA	4871	
	06/20/08	10.78	ND[0.17]	ND[0.21]	ND[0.17]	ND[0.55]	1.10	0.5901	NA	NA	NA	NA	NA	NA	NA	NA	1821	
MW-26 C	01/09/09	12.83	12.80	ND[0.470]	ND[0.520]	ND[0.960]	14.77	0.8601	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/02/03	14.17	48.5	119	11.6	68.3	248.4	96.9	NA	<2.1	<2.1	<4.2	<4.2	<2.1	<2.1	3740	NA	NA
	09/09/10	14.45	2.1	93	44	210	348.1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/30/12																	
	04/04/12	19.80	19	79	51	450	596	26	0.0080 U	30	12	22	0.0851	0.043 U	0.0891	2700	NA	NA
MW-27 CR	07/31/12	13.98	63	240	63	975	20	NA	NA	16	7.4	13	0.020 U	0.141	0.114	NA	NA	NA
	11/08/12	14.98	8.9	57	29	354.9	2.9	NA	NA	13	5.6	10	0.0981	0.023 U	0.131	NA	NA	NA
	03/07/13	16.07	17	110	51	600	778	5.61	NA	14	10	18	0.0751	0.0871	NA	NA	NA	NA
	01/21/14	15.45	4.5	9.6	10	150	174.1	0.44 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/09/10	16.00	0.981	4.4	3.6	12	20.88	0.21 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-27 C	04/02/03	14.07	435	831	361	2660	4297	20.1	NA	80.9	15.4	30	<4	<8	<2	5934	NA	NA
	04/09/10	14.43	2.4	18	64	750	834.4	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/30/12																	
	04/04/12	19.55	2.91	44	58	580	652	8.41	0.041	12	5.6	6.0	0.0451	0.023 U	0.0521	2100	NA	NA
	07/31/12	13.77	31	300	150	1,500	1,981	151	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28S	11/08/12	14.65	31	310	160	1,700	2,191	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/07/13	16.07	20	110	138	1,200	1,480	131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/21/14	15.22	16	46	97	710	869	6.3	7.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/02/07		0.7301	0.8301V	0.1601	0.6301	2.34	1.971	NA	<0.078	<0.036	<0.11	<0.094	<0.059	<0.041	442	NA	NA
	11/14/03	16.02	1.8	1.2	71	<2	74	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-28 C	02/18/04	16.85	4.1	9.8	83	7.5	74.4	4.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/06/04	10.40	480	4.5	110	44	638.5	63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/22/05	12.91	43	2.6	330	<20	575.6	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/02/03	14.25	57.2	158	109	454	778.2	146	NA	<2	<2	<4.1	<4.1	<2	2230	NA	NA	
	06/06/06	18.50	54	49	73	410	566	44	NA	NA	NA	NA	NA	NA	2.3	NA	NA	
MW-28S	03/27/07	20.48	0.7301V	0.8001V	0.1601	0.6301	1.971	NA	<0.078	<0.036	<0.11	<0.094	<0.059	<0.041	442	NA	NA	
	01/26/02	15.43	1900	1000	1100	7900	11800	<1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/16/04	12.40	340	2900	1000	7600	17640	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/22/05	9.61	73	4.5	6.2	96	179.7	16	<0.01	31	21	40	<1	<1	1900	NA	NA	
	04/02/03	13.88	835	1460	401	5200	7896	277	NA	257	108	<40	ND[0.050]	ND[0.032]	<20	14900	NA	NA
MW-28C	03/14/08	19.28	ND[0.21]	0.2801	ND[0.30]	ND[0.60]	1.27	ND[0.78]	NA	ND[0.070]	NA	ND[0.052]	ND[0.035]	ND[0.037]	2171	NA	NA	

## TABLE 2: Groundwater Analytical Summary

**Facility Name:** Shudd Property & Coastal Mart (aka Sunrise Food Mart)  
**Facility ID#:** 63 9807162 Shudd Facility  
 63 857149 Sunrise Food Mart and Gas Stop  
 Lake Butler, Union County, Florida

**Analytical Results = ug/L**  
**EDB = 1,2-Dibromoethane**  
**MTBE = Methyl-tert-butyl-ether**  
**DTW = Depth to Water**  
**ND/000 = Not detected [minimum detection level]**  
**Note:** Analytical information prior to 2002 is available in historical reports  
**NA = Not analyzed**

Sample Location	Date	DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOC	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2-Methyl naphthalene	Ac-naphthalene	Ac-naphthalene	Fluorene	TPPH	Lead
F200 Groundwater Chloride Target Level for Groundwater Criteria (ug/L)																	
MW-30S	01/24/02	16.77	<1	<1	<1	<2	NA	20	0.02	14	28	28	20	210	280	5,000	15
	06/28/04	14.30	<1	<1	<1	<2	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/27/07	19.10	1.65	1.42 V	2.29	198	203.55	2.17	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/09/10	9.88	0.25 U	0.24 U	0.25 U	0.69 U	BDL	0.21 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/02/03	13.12	304	278	773	4570	8525	64.1	NA	248	40.6	157	<40	<40	<20	10900	
	12/11/07	18.62	ND(0.21)	0.30 U	ND(0.20)	ND(0.60)	1.3	ND(0.73)	NA	NA	ND(0.070)	ND(0.032)	ND(0.096)	ND(0.030)	ND(0.035)	ND(0.037)	ND(150)
MW-30C	06/20/08	16.45	ND(0.17)	ND(0.21)	ND(0.17)	ND(0.55)	1.1	ND(0.20)	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/24/08	16.32	2.65	0.49 U	2.54	16.7	24.38	4.43 U	NA	NA	NA	NA	NA	NA	NA	4610	
	07/06/08	16.61	ND(0.350)	ND(0.470)	ND(0.500)	ND(0.980)	2.32	ND(0.440)	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/09/10	13.44	160	480	130	960	1720	2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/19/11	18.54	72	1.3	1.9	18	89.2	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/04/12	18.86	43	0.24 U	0.25 U	1.51	13	0.50 U	0.35	4.3	1.3	1.9	0.023 U	0.022 U	0.019 U	380	NA
	07/07/12	12.60	360	710	240	1,800	2,910	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/06/12	13.55	130	300	77	650	1,357	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/07/13	13.05	210	190	110	1,900	2,410	3.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/02/14	13.42	170	530	200	1,300	2,200	4.4 U	3.7	NA	NA	NA	NA	NA	NA	NA	NA
MW-31S	01/24/02	12.78	<1	<1	<1	<2	<2	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31I	03/17/03	8.63	<1	<1	<1	<2	<5	<1	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	
	04/02/03	13.82	<1	<1	<1	<3	<6	32.2	NA	<2.1	<2.1	<2.1	<4.1	<4.1	<2.1	298	
MW-31C	08/09/06	19.42	<1	<1	<1	<3	<6	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/09/10	14.42	12	2.1	4.5	38	59.6	22	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/31/12	13.74	0.86 U	0.14 U	0.16 U	0.44 U	0.86	22	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/06/12	14.60	0.15 U	0.14 U	0.26 U	1.1	1.36	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/07/13	15.88	0.15 U	0.14 U	0.16 U	0.44 U	<0.57	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/20/07	13.69	<0.06	0.16 U	<0.10	0.20 U	0.36	12.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32S	05/17/07	18.19	2.69	17.0	2.39	12.9	35.18	36.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/09/08	NA	3.1	<1	<1	<2	3.1	70	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33S	09/02/03	11.35	760	27	1200	180	2167	570	<0.02	900	130	210	<10	<10	<10	NA	NA
	11/74/03	13.85	660	<10	890	1720	280	280	<0.02	NA	NA	NA	NA	NA	NA	NA	NA
	02/18/04	14.00	150	<10	200	25	375	130	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/22/05	11.13	280	35	350	63	728	160	<0.01	360	43	25	1	<1	<1	4600	
	09/20/07																
	09/11/07																
MW-33I	12/12/07																
	05/14/08																
	08/09/08																
	09/24/08	12.03	139	2.61	358	22.4	422.21	118	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/06/09	12.50	75	0.62 U	16	9.1	100.72	46	NA	410	52	23	1.01	0.88 U	0.78 U	NA	NA
	10/21/11	11.29	31	1.6	120.05	22	174.6	21	NA	650. D40	89. D40	80. D40	0.67 U D40	0.32 U D40	0.60 U D40	NA	NA
MW-33I	01/24/02	22.38	<1	<1	<1	<2	<5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/02/03	17.55	<1	<1	<1	<2	<5	<10	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	NA
	11/74/03	18.85	<1	<1	<1	<2	<5	<10	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NA	NA
	03/23/11	19.68	0.028 U	0.024 U	0.029 U	0.098 U	<1.45	0.021 U	NA	0.022 U	0.021 U	0.022 U	0.021 U	0.022 U	0.019 U	NA	NA
	10/21/11	18.47	0.25 U	0.24 U	0.25 U	0.68 U	<1.45	0.21 U	NA	0.033 U	0.022 U	0.023 U	0.021 U	0.023 U	0.020 U	NA	NA

## TABLE 2: Groundwater Analytical Summary

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

Facility ID#: E3 8607182 Shadd Facility  
 63 8571748 Sunrise Food Mart and Gas Stop

Analytical Results - ug/L  
 EDB = 1,2-Dibromoethane  
 MTBE = Methyl-tert-butyl-ether  
 DTW = Depth to Water  
 ND/2Q = Not detected (minimum detection level)  
 Note: Analytical information prior to 2002 is available in historical reports  
 NA = not analyzed

Sample Location	Date	DTW	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Fluorene	TRPH	Lead																													
																		09/22/05	07/01/81	07/01/81	02/09/98	05/28/83	08/19/89	08/30/86	02/25/01	02/21/01	03/17/03	11/14/03	10/09/04	12/01/06	06/20/07	09/11/07	12/12/07	03/13/08	06/30/08	09/24/08	01/09/09	06/30/06	01/30/08	06/30/06	06/26/10	07/03/11	04/04/12	07/03/12	11/08/12	03/07/13
MW-345		11.44	<1	<1	<1	<2	<5	<5	NA	14	28	28	20	210	280	5,000	15																													
			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA																													
MW-355		7	BDL	BDL	17	34	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	BDL																													
			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA																													
			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA																													
			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA																													
			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA																													
			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA																													
MW-365		15.53	<1	<1	<3	<5	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		12.85	0.28 U	0.24 U	0.25 U	0.88 U	<1.45	0.21 U	NA	0.022 U	0.022 U	0.022 U	0.020 U	0.022 U	0.021 U	0.020 U	0.020 U																													
		11.38	0.28 U	0.24 U	0.25 U	0.88 U	<1.45	0.21 U	NA	0.022 U	0.022 U	0.022 U	0.020 U	0.022 U	0.021 U	0.020 U	0.020 U																													
		MM	<1	<1	<1	<2	<5	<1	<0.02	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2																													
		13.10	6.6	3	18	27.5	452	<10	<0.02	<0.02	NA	NA	NA	NA	NA	NA	NA																													
		MM	160	87	35	170	452	26	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
MW-375		15.06	<1	<1	<1	<2	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		14.84	ND[0.17]	0.260 U	ND[0.17]	ND[0.35]	1.15	ND[0.20]	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		11.52	0.280 U	0.600 U	ND[0.17]	0.600 U	1.72	0.600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		14.02	ND[0.350]	ND[0.470]	ND[0.520]	ND[0.960]	2.32	ND[0.440]	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		8.87	<1	<1	<1	<2	<5	1.8	NA	<1	<1	<1	<1	<1	<1	<1	1,000																													
		9.92	0.210 U	1.72	0.880 U	0.620 U	3.83	ND[0.78]	NA	NA	NA	NA	NA	NA	NA	NA	150 U																													
MW-385		15.06	<1	<1	<1	<2	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		11.98	8.3	2.7	25	70	110	33	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
MW-385R		13.52	13	10	130	140	293	52	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		8.60	8.11	79.1	340	2,000	2,490	120	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		8.60	2.4	4.9	110	210	349	42	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		8.04	18	0.67 U	60	51	130	67	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		10.52	4.6	0.14 U	15	3.0	23	15	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		8.70	22	0.78 U	59	140	222	26	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
MW-391		20.73	<1	<1	<1	<2	<5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		MM	<1	<1	<1	<2	<5	63	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2																													
		15.82	<1	<1	<1	<2	<5	63	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2																													
		16.34	<1	<1	<1	<2	<5	34	<0.02	NA	NA	NA	NA	NA	NA	NA	NA																													
		MM	<1	<1	<1	<2	<5	8	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		16.91	<1	<1	<1	<2	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
MW-401		16.78	<1	<1	<1	<2	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		13.83	11	<1	<1	<2	<15	220	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
MW-408R		10.34	85	0.24 U	0.25 U	1.8 U	86.3	88	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		15.75	49	0.24 U	0.25 U	0.68 U	43	35	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		15.46	30	0.24 U	0.25 U	0.68 U	30	24	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		10.60	20	0.14 U	0.16 U	0.44 U	20	22	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		10.95	18	0.14 U	0.16 U	0.44 U	18	22	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		12.00	16	0.14 U	0.20 U	0.52 U	16.72	15	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
MW-423		17.82	10	0.51 U	0.44 U	0.50 U	10	15	NA	NA	NA	NA	NA	NA	NA	NA	NA																													
		21.28	<1	<1	<1	<2	<5	15	NA	NA	NA	NA	NA	NA	NA	NA	NA																													

### TABLE 2: Groundwater Analytical Summary

**Facility Name:** Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
**Facility ID#:** 63 807162 Shadd Facility  
 63 857168 Sunrise Food Mart and Gas Stop  
**Location:** Lake Butler, Union County, Florida

**Analytical Results = ug/L**  
**EDB = 1,2-Dibromoethane**  
**MTBE = Methyl-Tert-butyl-ether**  
**D1W = Depth to Water**  
**ND/ODQ = Not detected (minimum detection level)**  
**Note:** Analytical information prior to 2002 is available in historical reports  
**NA = Not analyzed**

Sample Location	Date	DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOC	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2-Methyl naphthalene	Ace-naphthene	Ace-naphthylene	Fluorene	TRPH	Lead
MW-4AS	10/06/04	7.65	34	5.2	90	18	600	27	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/05/06	13.53	35	5.5	33	2	75.5	6	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/05/06	15.21	73	1.2	80	<1	154.2	20	NA	23	1.5	NA	<1	<1	<1	2000	NA
	03/27/07	15.56	182	2,710 IV	108	14.1	2,768.8	47.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/03/07	17.28	24.9	6.14	9.54	23.8	65.38	56	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/10/07	17.00	253	86.9	149	44.0	515.9	45.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/12/07	16.82	121	2.74	100	5.3	229.65	23.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/14/08	13.99	59.3	3.08	85	58.6	205.98	16.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/03/08	15.89	95.6	4.64	92.8	81.8	254.84	25.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/24/08	12.34	23.9	8.05 I	31.6	12.21	75.75	9.88 I	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/09/09	14.90	110	9.61	185	91.8	396.41	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08/22/11	12.92	72	7.6	92 D10	32	203.6	12	NA	69 D4	20 D4	24 D4	0.20 LD4	0.097 LD4	0.16 LD4	NA	NA	
10/21/11	11.56	38, D10	4.0 LD10	66 D10	20 D10	128	7.8 LD10	NA	68 D5	28 D5	21 D5	0.33 LD5	0.12 LD5	0.28 LD5	NA	NA	
MW-4TS	11/20/06	16.11	2.4	30	5.6	29.6	67.6	0.31 I	NA	0.022 U	0.021 U	0.022 U	0.022 U	0.019 U	NA	NA	
	06/23/11	13.80	0.28 U	0.24 U	0.25 U	0.68 U	<1.45	1.9	NA	0.023 U	0.022 U	0.023 U	0.023 U	0.020 U	NA	NA	
	10/21/11	12.47	0.28 U	0.24 U	0.25 U	0.68 U	<1.45	1.5	NA	0.023 U	0.022 U	0.023 U	0.023 U	0.020 U	NA	NA	
MW-4BI	06/28/04	21.45	<1	<1	<1	<2	<5	8.8	NA	NA	NA	NA	NA	NA	NA	NA	
	07/24/02	16.00	2.1	<1	<1	<2	<6.1	28	NA	NA	NA	NA	NA	NA	NA	NA	
MW-5SI	07/03/12	9.07	0.77 I	0.76 I	0.76 I	0.83 I	2.09	28	NA	NA	NA	NA	NA	NA	NA	NA	
	11/08/12	9.75	0.65 I	0.14 U	0.16 U	0.44 U	0.65	21	NA	NA	NA	NA	NA	NA	NA	NA	
	03/07/13	10.85	0.19 U	0.14 U	0.16 U	0.44 U	0.87	23	NA	NA	NA	NA	NA	NA	NA	NA	
	01/21/14	13.75	0.50 U	0.51 U	0.44 U	0.50 U	BDL	21	NA	NA	NA	NA	NA	NA	NA	NA	
	05/04/05	13.25	6600	17000	2200	14000	39800	6800	2.8	420	62	110	<1	<1	<1	NA	NA
	06/03/10	15.36	460	2600	370	2800	6260	67	0.87	NA	NA	NA	NA	NA	NA	NA	
	07/09/12									Abandoned							
MW-5BS	05/04/05	11.35	<1	<1	<1	<3	<9	<5	<0.02	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<720	NA
	06/30/06	18.85	<1	<1	<1	<5	<8	<5	NA	<1	<1	<1	<1	<1	<1	<1	NA
MW-6AS	05/04/05	NA	460	7500	790	8400	17150	<250	8.9	NA	NA	NA	NA	NA	15000	NA	
	11/05/06	20.79	630	1300	250	1450	3630	96	NA	NA	NA	NA	NA	NA	5670	NA	
	06/20/07	20.75	534	536	148	1600	2718	108	NA	NA	NA	NA	NA	NA	7760	NA	
	09/10/07	20.75	483	1410	74.5	815	2783	282	NA	NA	NA	NA	NA	NA	1740	NA	
	12/11/07	20.39	35.4	174	26.1	384	620	46.2	NA	NA	NA	NA	NA	NA	2,640	NA	
	03/13/08	19.27	3.56	127	7.78	740	678	25.1	NA	NA	NA	NA	NA	NA	1,760	NA	
	06/03/08	19.65	0.650 I	7.13	3.15	88.1	97	5.83	NA	NA	NA	NA	NA	NA	2,150	NA	
	09/24/08	16.92	0.650 I	4.57	0.620 I	23.9	30	4.24 I	NA	NA	NA	NA	NA	NA	NA	NA	
	01/06/09	18.99	0.720 I	6.86	7.81	85.1	100	20.3	NA	NA	NA	NA	NA	NA	NA	NA	
	04/22/09	17.71	0.67 I	18	8	150	177	29	0.83	ND[0.018]	ND[0.033]	ND[0.019]	ND[0.011]	ND[0.020]	NA	NA	
07/01/09	17.16	1	22	5.8	120	149	11	NA	NA	NA	NA	NA	NA	NA	NA		
09/21/09	15.42	2.4	140	45	360	535	12	NA	NA	NA	NA	NA	NA	NA	NA		
00/19/10	14.02	ND[0.8]	100	37	340	480	ND[2.1]	NA	NA	NA	NA	NA	NA	NA	NA		
06/05/10	13.88	3.0	91	100	560	754	2.5	NA	NA	NA	NA	NA	NA	NA	2.0 U		
07/19/11	16.73	2.8 U	130	72	550	752	7.71	NA	NA	NA	NA	NA	NA	NA	NA		
07/01/12	15.21	0.97 I	6.1	6.4	92	105	0.84 I	NA	NA	NA	NA	NA	NA	NA	NA		
11/06/12	13.87	7.2	23	140	730	900	3.4	NA	NA	NA	NA	NA	NA	NA	NA		
03/07/13	15.32	91	130	610	834	2.41	NA	NA	NA	NA	NA	NA	NA	NA	NA		
01/21/14	14.33	0.50 U	15	8.3	62	85	0.44 U	0.23	NA	NA	NA	NA	NA	NA	NA		

## TABLE 2: Groundwater Analytical Summary

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

Facility ID#: 63 8967182 Shadd Facility  
 63 8577149 Sunrise Food Mart and Gas Stop

Analytical Results = ug/L  
 EOB = 1,2-Dibromoethane  
 MTBE = Methyl-tert-butyl-ether  
 DTW = Depth to Water  
 ND[XX] = Not detected [minimum detection level]  
 Note: Analytical information prior to 2002 is available in historical reports  
 NA = not analyzed

Sample Location	Date	DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOC	MTBE	EOB	Naphthalene	1-Methyl naphthalene	2-Methyl naphthalene	Ac-naphthalene	Ac-naphthylene	Fluorene	TRPH	Lead	
																		PCP Groundwater Criteria Trigger Level for Groundwater (ug/L)
MW-51S	05/04/05	12.70	81	460	120	1300	1951	<50	1.3	<1	<1	<1	<1	<1	<1	5,000	15	
	11/30/06	20.54	1400	7000	1100	14700	390	NA	NA	NA	NA	NA	NA	NA	NA	17000	NA	
	03/14/08	19.17	539	18.7	7.45	40	71.54	1.081	NA	NA	NA	NA	NA	NA	NA	ND[150]	NA	
	04/22/09	17.57	ND[0.18]	1.2	0.171	0.811	2.45	0.251	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	07/01/09	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	08/06/10	14.09	0.28 L	0.24 U	0.25 U	1.4	0.561	0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	07/30/12																	
	04/09/12	18.89	NA	NA	NA	NA	NA	NA	12	NA	NA	NA	NA	NA	NA	NA	NA	
	07/31/12	13.49	NA	NA	NA	NA	NA	NA	1.3	NA	NA	NA	NA	NA	NA	NA	NA	
	11/09/12	13.73	NA	NA	NA	NA	NA	NA	0.89	NA	NA	NA	NA	NA	NA	NA	NA	
03/07/13	15.31	NA	NA	NA	NA	NA	NA	1.9	NA	NA	NA	NA	NA	NA	NA	NA		
07/20/14	14.46	NA	NA	NA	NA	NA	NA	0.65	NA	NA	NA	NA	NA	NA	NA	NA		
05/04/05	13.55	2600	5900	1800	11000	21500	4900	6	280	45	84	0.14	<1	<1	27000	NA		
08/06/08	13.00	4500	11000	2100	14000	31500	2300	2.1	430	65	110	<1	<1	<1	NA	NA		
03/27/07	18.16	958	5150 V	842	6370	13320	598.1	1.02	89.9	10.9.1	16.5	<0.034	<0.039	<0.041	NA	NA		
08/20/07	NM																	
08/10/07	NM																	
12/11/07	NM																	
03/13/08	20.03	35.9	50.6	31.2	90.4	208.1	466	0.488	0.159	ND[0.082]	0.358.1	ND[0.080]	ND[0.085]	ND[0.097]	8390	NA		
06/30/08	20.43	11.6	14	17.4	75.5	119.5	43.5	NA	NA	NA	NA	NA	NA	NA	2810	NA		
09/24/08	17.63	16.2	19.9	19	67.3	123.9	540	NA	NA	NA	NA	NA	NA	NA	4570	NA		
07/06/09	19.84	7.23	5.45	92.6	58.4	123.68	180	NA	NA	NA	NA	NA	NA	NA	NA	NA		
04/22/09	18.57	7.2	7.2	39	77	130.3	390	NA	NA	ND[0.015]	ND[0.016]	ND[0.096]	ND[0.017]	NA	NA	NA		
07/01/09	18.03	3.0.1	2.1	24	14.1	49.2	180	NA	NA	NA	NA	NA	NA	NA	NA	NA		
09/21/09	18.41	28	140	660	4400	5228	140	NA	NA	NA	NA	NA	NA	NA	NA	NA		
02/16/10	15.07	591	270	650	4300	5270	290	NA	NA	NA	NA	NA	NA	NA	NA	NA		
08/09/10	14.37	690	910	330	1800	3380	220	0.65	NA	NA	NA	NA	NA	NA	NA	2.0 U		
07/30/12																		
04/04/12	19.26	89	52	100	850	1,071	120	0.093	58	23	32	0.171	0.087 U	0.075 U	7,300	NA		
07/31/12	13.64	68	35	180	790	1,073	81	0.0950 U	NA	NA	NA	NA	NA	NA	810	NA		
11/06/12	14.84	110	62	100	280	532	72	0.0023 U	NA	NA	NA	NA	NA	NA	4,500	NA		
03/07/13	18.28	129	1.7	78	23	223	110	0.0761	NA	NA	NA	NA	NA	NA	1,000	NA		
01/21/14	15.33	350	61	260	160	691	390	NA	NA	NA	NA	NA	NA	NA	NA	NA		
05/05/05	10.30	210	970	120	790	2090	73	0.46	<1	<1	<1	<1	<1	<1	NA	NA		
11/30/06	19.24	31	7.6	1.1	11.8	51.5	2.2	NA	NA	NA	NA	NA	NA	NA	370	NA		
08/09/10	11.65	480	630	471	330	1487	151	0.15	NA	NA	NA	NA	NA	NA	NA	NA		
07/19/11	18.44	480	170	22	280	992	18	NA	NA	NA	NA	NA	NA	NA	NA	NA		
04/04/12	17.28	210	2.4 U	19	52	281	2.81	0.0081 U	4.6	0.4	0.81	0.020 U	0.022 U	0.019 U	2001	NA		
07/31/12	11.83	120	76	13	100	309	52.1	NA	NA	NA	NA	NA	NA	NA	NA	NA		
11/26/12	12.80	110	22	5.8	81	188.8	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA		
03/07/13	14.01	18	0.14 U	0.16 U	2.2	18.2	0.571	NA	NA	NA	NA	NA	NA	NA	NA	NA		
01/21/14	12.84	18	0.51 U	0.44 U	3.1	21.1	0.44 U	NA	NA	NA	NA	NA	NA	NA	NA	NA		
05/05/05	11.50	<1	<1	<1	<2	<5	<5	<0.02	<1	<1	<1	<1	<1	<1	NA	NA		
08/09/10	12.86	0.28 U	0.24 U	0.25 U	0.88 U	30L	0.221	NA	NA	NA	NA	NA	NA	NA	NA	NA		
05/04/05	8.70	9.7	12	78	63	162.7	<5	<0.02										
08/09/09	14.65	<1.0	<1.0	470	14	484	<5											
01/30/08	16.57	9.79	ND[1.1]	322	17.6	350.49	ND[3.9]	NA	NA	NA	NA	NA	NA	NA	5100	NA		
08/09/10	12.83	4.1	0.37.1	220	590	784.41	0.461	NA	NA	NA	NA	NA	NA	NA	3130	NA		
07/30/12																	10	

**TABLE 2: Groundwater Analytical Summary**

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 63 9607182 Shadd Facility  
 63 857149 Sunrise Food Mart and Gas Stop  
 Facility ID#

Analytical Results = ug/l  
 EDB = 1,2-dibromoethane  
 MTBE = Methyl-tert-butyl-ether  
 DTW = Depth to Water  
 ND/000 = Not detected (minimum detection level)  
 Note: Analytical information prior to 2002 is available in historical reports  
 NA = not analyzed

Sample Location	Date	DTW	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total VOC	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Fluorene	TRPH	Lead
MW-66SR	04/03/12	13.77	0.28 U	0.24 U	0.25 U	0.68 U	<1.45	0.21 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-67 S	08/26/10	10.67	3.000	4.900	0.25 U	0.88 U	7.900	290	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/14/11	15.48	500	4100	490	2900	7.730	391	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/04/12	14.17	3.100	20,000	1,800	8,500	33,400	84	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/30/12	8.24	38	6.1	7.3	26	77	7.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/05/12	6.80	1,700	3,300	900	4,200	10,100	110	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-69S	03/06/13	8.73	600	740	320	820	2,480	38	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/21/14	8.95	160	150	190	340	840	4.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-16	04/03/12	12.15	1.9	0.24 U	0.25 U	0.88 U	1.9	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-18	07/30/12	7.21	0.13 U	0.14 U	0.15 U	0.44 U	BDL	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/05/12	7.93	0.13 U	0.14 U	0.15 U	0.44 U	BDL	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/08/13	8.62	31	0.43 U	1.2	28	71	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-27	01/21/14	7.80	11	0.51 U	1.8	2.1	15	12	NA	NA	NA	NA	NA	NA	NA	NA	NA
RW-29	01/26/08	18.63	296	128	104	191	717	102	NA	NA	NA	NA	NA	NA	NA	1420	NA
RW-18	01/25/06	15.34	22.8	10.2	68.2	108	205.2	44.4	NA	NA	NA	NA	NA	NA	NA	1550	NA
	01/26/08	16.52	ND(0.21)	0.670 U	0.240 U	ND(0.60)	1.72	2.84 U	NA	NA	NA	NA	NA	NA	NA	1681	NA
RW-29	01/30/08	13.79	1560	4480	95.5	2970	9105.5	130.0 U	NA	NA	NA	NA	NA	NA	NA	4580	NA
SP/LP Results																	
A-61	01/12/12	*SP/LP	1.7 U	30	190	1300	NA	3.7 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA
A-68	01/12/12	*SP/LP	33	880	360	2900	NA	3.7 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA
A-75	01/12/12	*SP/LP	4.51	340	260	3300	NA	3.7 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA
A-37	01/12/12	*SP/LP	1.2	77	37	330	NA	3.7 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA
A-44	01/12/12	*SP/LP	6.8 U	2000	910	5500	NA	16 U	10 U	150 JB	18 JB	39 JB	0.53 U	0.26 U	0.53 U	NA	NA
A-51	01/12/12	*SP/LP	1.3	0.98 U	1.2	6.8 U	NA	0.74 U	0.50 U	NA	NA	NA	NA	NA	NA	NA	NA
SS-3	02/28/12	*SP/LP	0.34 U	0.70 U	0.50 U	1.6 U	NA	0.74 U	0.50 U	NA	NA	NA	NA	NA	NA	NA	NA
D-10 (Coastal)	02/03/12	*SP/LP	2.9	14	6.4	38	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-9 (Coastal)	02/03/12	*SP/LP	55	160	41	250	NA	33	NA	NA	NA	NA	NA	NA	NA	NA	NA
L-1 (Coastal)	02/22/12	*SP/LP	1.2	0.70 U	0.60 U	4.9 U	NA	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
J-2 (Coastal)	02/22/12	*SP/LP	0.34 U	0.78 U	0.52 U	7.0 U	NA	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-1 (Coastal)	02/28/12	*SP/LP	1300	11000	2400	15000	NA	37 U	25 U	190	28	37	0.53 U	0.26 U	0.53 U	NA	NA
L-12 (Coastal)	03/02/12	*SP/LP	0.34 U	4.6	7.9	72	NA	1.7	0.50 U	NA	NA	NA	NA	NA	NA	NA	NA

ATTACHMENT A  
GROUNDWATER SAMPLING AND CALIBRATION LOGS

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-4IR</b>	SAMPLE ID: <b>MW-4IR</b>
DATE: <b>1/21/14</b>	

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8X1/4	WELL SCREEN INTERVAL DEPTH: <b>51</b> feet to <b>56</b> feet	STATIC DEPTH TO WATER (feet): <b>17.25</b>	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>57</b> feet - <b>17.25</b> feet ) X <b>0.024</b> gallons/foot = <b>0.828</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = <b>0.024</b> gallons + ( <b>0.024</b> gallons/foot X <b>65</b> feet ) + <b>.5</b> gallons = <b>1.57</b> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>54</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>54</b>	PURGING INITIATED AT: <b>1008</b>	PURGING ENDED AT: <b>1100</b>	TOTAL VOLUME PURGED (gallons): <b>3.5</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1034	1.5	1.50	0.05	17.86	7.03	23.38	452	1.37	5.20	clear	None
1043	.75	2.25	0.08	17.86	7.11	23.38	475	0.96	5.13	↓	↓
1054	.75	3.0	0.06	17.86	7.10	23.32	483	0.65	5.29	↓	↓
1100	.5	3.5	0.08	17.86	7.10	23.36	484	0.73	5.30	↓	↓
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: P. CRAINE J. BURKETT / AMEC				SAMPLER(S) SIGNATURE(S): <i>[Signatures]</i>				SAMPLING INITIATED AT: <b>1101</b>		SAMPLING ENDED AT: <b>1104</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>54</b>				TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: Y <input checked="" type="checkbox"/> <b>N</b>		FILTER SIZE: _____ µm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> <b>N</b>				TUBING Y <input checked="" type="checkbox"/> <b>N (replaced)</b>				DUPLICATE: Y <input checked="" type="checkbox"/> <b>N</b>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	BTEXM	RFPF	100		
	3	CG	40ML	HCL	N/M	N/M					
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO <b>MW-221R</b>	SAMPLE ID: <b>MW-221R</b> DATE: <b>1/21/14</b>

**PURGING DATA**

WELL DIAMETER (Inches): <b>2</b>	TUBING DIAMETER (Inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: <b>40</b> feet to <b>50</b> feet	STATIC DEPTH TO WATER (feet): <b>10.82</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: <b>1</b> WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>50</b> feet - <b>10.82</b> feet ) X <b>0.64</b> gallons/foot = <b>0.64</b> gallons											
EQUIPMENT VOLUME PURGE: <b>1</b> EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) <b>0.0026</b> = <b>0.0026</b> gallons + ( <b>0.0026</b> gallons/foot X <b>55</b> feet ) + <b>0.64</b> gallons = <b>0.64</b> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>45</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>45</b>	PURGING INITIATED AT: <b>0831</b>	PURGING ENDED AT: <b>0926</b>	TOTAL VOLUME PURGED (gallons): <b>5.0</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) % or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>0905</b>	<b>3.5</b>	<b>3.5</b>	<b>1.3</b>	<b>12.58</b>	<b>5.99</b>	<b>22.45</b>	<b>450</b>	<b>0.69</b>	<b>5.71</b>	<b>Clear</b>	<b>None</b>
<b>0914</b>	<b>1.75</b>	<b>4.25</b>	<b>1.08</b>	<b>12.40</b>	<b>5.97</b>	<b>22.27</b>	<b>466</b>	<b>0.69</b>	<b>5.92</b>	<b>b</b>	<b>b</b>
<b>0926</b>	<b>0.75</b>	<b>5.0</b>	<b>0.6</b>	<b>12.36</b>	<b>5.97</b>	<b>22.27</b>	<b>466</b>	<b>0.64</b>	<b>4.02</b>	<b>b</b>	<b>b</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE / J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>0930</b>		SAMPLING ENDED AT: <b>0933</b>		
PUMP OR TUBING DEPTH IN WELL (feet): <b>45</b>				TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: <b>Y</b> <input checked="" type="checkbox"/>		FILTER SIZE: _____ µm				
FIELD DECONTAMINATION: PUMP <b>Y</b> <input checked="" type="checkbox"/>				TUBING <b>Y</b> <input checked="" type="checkbox"/> (replaced)		DUPLICATE: <b>Y</b> <input checked="" type="checkbox"/>						
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	BTEXM		RFPP		100	
	<b>3</b>	<b>CG</b>	<b>40ML</b>	<b>HCL</b>	<b>None</b>	<b>N/M</b>						
REMARKS:												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units    Temperature: ± 0.2 °C    Specific Conductance: ± 5%    Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2);  
optionally, ± 0.2 mg/L or ± 10% (whichever is greater)    Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-401R</b>	SAMPLE ID: <b>MW-401R</b> DATE: <b>1/21/14</b>

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: <b>40feet to 50 feet</b>	STATIC DEPTH TO WATER (feet): <b>11.82</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>50 feet -</b> <b>11.82 feet</b> ) X <b>gallons/foot</b> = <b>gallons</b>				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) * = <b>.0024</b> gallons + ( <b>.0024</b> gallons/foot X <b>55</b> feet ) + <b>.5</b> gallons = <b>.64</b> gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>45</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>45</b>	PURGING INITIATED AT: <b>0805</b>	PURGING ENDED AT: <b>0824</b>	TOTAL VOLUME PURGED (gallons): <b>250</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (umhos/cm or µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0813	1.5	1.5	.18	13.67	4.98	21.47	139	1.20	32.5	clear	None
0818	.5	2.0	.10	13.55	4.94	21.30	142	1.13	19.8	↓	↓
0821	.25	2.25	.08	13.55	4.93	21.27	142	1.07	11.2	↓	↓
0824	.25	2.50	.08	13.55	4.92	21.26	142	.99	11.3	↓	↓

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: P. CRAINE / J. BURKETT / AMEC		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <b>0826</b>	SAMPLING ENDED AT: <b>0828</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>45</b>		TUBING MATERIAL CODE: <b>PE</b>	FIELD-FILTERED: <b>Y</b> (N)	FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <b>Y</b> (N)		TUBING <b>Y</b> (N (replaced))	DUPLICATE: <b>Y</b> (N)		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	<b>3</b>	<b>CG</b>	<b>40ML</b>	<b>HLL</b>	<b>None</b>	<b>14/11</b>	<b>BTEXM</b>	<b>RFPP</b>	<b>100</b>

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-551</b>	SAMPLE ID: <b>MW-551</b> DATE: <b>1/21/14</b>

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8x1/4</b>	WELL SCREEN INTERVAL DEPTH: <b>24</b> feet to <b>34</b> feet	STATIC DEPTH TO WATER (feet): <b>10.25</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: $1 \text{ WELL VOLUME} = (\text{TOTAL WELL DEPTH} - \text{STATIC DEPTH TO WATER}) \times \text{WELL CAPACITY}$ (only fill out if applicable) = ( <b>34.81</b> feet - <b>10.25</b> feet ) X <b>34.81</b> gallons/foot = <b>1002.6</b> gallons											
EQUIPMENT VOLUME PURGE: $1 \text{ EQUIPMENT VOL.} = \text{PUMP VOLUME} + (\text{TUBING CAPACITY} \times \text{TUBING LENGTH}) + \text{FLOW CELL VOLUME}$ (only fill out if applicable) <b>*</b> = <b>.5</b> gallons + ( <b>.0026</b> gallons/foot X <b>40</b> feet ) + <b>.0026</b> gallons = <b>.60</b> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>32</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>32</b>	PURGING INITIATED AT: <b>0736</b>	PURGING ENDED AT: <b>0753</b>	TOTAL VOLUME PURGED (gallons): <b>2.50</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>0747</b>	<b>2.0</b>	<b>2.0</b>	<b>.18</b>	<b>10.25</b>	<b>5.92</b>	<b>20.88</b>	<b>237</b>	<b>1.32</b>	<b>10.09</b>	<b>clear</b>	<b>None</b>
<b>0750</b>	<b>.25</b>	<b>2.25</b>	<b>.08</b>	<b>10.25</b>	<b>5.93</b>	<b>20.82</b>	<b>245</b>	<b>1.27</b>	<b>6.70</b>	<b>↓</b>	<b>↓</b>
<b>0753</b>	<b>.25</b>	<b>2.50</b>	<b>.08</b>	<b>10.25</b>	<b>5.96</b>	<b>20.84</b>	<b>255</b>	<b>1.24</b>	<b>7.11</b>	<b>↓</b>	<b>↓</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE / J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>0754</b>		SAMPLING ENDED AT: <b>0757</b>		
PUMP OR TUBING DEPTH IN WELL (feet): <b>32</b>				TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: <b>Y</b> (N)		FILTER SIZE: _____ µm				
FIELD DECONTAMINATION: PUMP <b>Y</b> (N)				TUBING <b>Y</b> (N (replaced))		DUPLICATE: <b>Y</b> (N)						
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	BTEXM		RFP		100	
	<b>3</b>	<b>CG</b>	<b>40mL</b>	<b>HCL</b>	<b>None</b>	<b>N/M</b>						
REMARKS:												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units    Temperature: ± 0.2 °C    Specific Conductance: ± 5%    Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater)    Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-2S</b>	SAMPLE ID: <b>MW-2S</b> DATE: <b>1/21/14</b>

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: <b>15 feet to 25 feet</b>	STATIC DEPTH TO WATER (feet): <b>15.15</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>25</b> feet - <b>15.15</b> feet) X <b>.16</b> gallons/foot = <b>1.57</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( _____ gallons/foot X _____ feet) + _____ gallons = _____ gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>	PURGING INITIATED AT: <b>1341</b>	PURGING ENDED AT: <b>1400</b>	TOTAL VOLUME PURGED (gallons): <b>2.25</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (mhos/cm or µS/cm)	DISSOLVED OXYGEN (circle units) (mg/l) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1344</b>	<b>1.75</b>	<b>1.75</b>	<b>.13</b>	<b>16.30</b>	<b>6.02</b>	<b>23.88</b>	<b>302</b>	<b>.63</b>	<b>7.72</b>	<b>Clear</b>	<b>None</b>
<b>1357</b>	<b>.25</b>	<b>2.0</b>	<b>.08</b>	<b>16.12</b>	<b>6.01</b>	<b>23.80</b>	<b>302</b>	<b>.69</b>	<b>4.54</b>	<b>↓</b>	<b>↓</b>
<b>1400</b>	<b>.25</b>	<b>2.25</b>	<b>.08</b>	<b>16.10</b>	<b>5.99</b>	<b>23.70</b>	<b>300</b>	<b>.62</b>	<b>4.11</b>	<b>↓</b>	<b>↓</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE J. BURKETT / AMEC</b>			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: <b>1401</b>		SAMPLING ENDED AT: <b>1412</b>		
PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>			TUBING MATERIAL CODE: <b>PE</b>			FIELD-FILTERED: Y <input checked="" type="checkbox"/> <b>N</b>		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> <b>N</b>			TUBING Y <input checked="" type="checkbox"/> <b>N (replaced)</b>			DUPLICATE: Y <input checked="" type="checkbox"/> <b>N</b>				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	<b>3</b>	<b>CG</b>	<b>40ML</b>	<b>HCL</b>	<b>None</b>	<b>N/M</b>	<b>BTEXM</b>		<b>RFPP</b>	
	<b>2</b>	<b>AG</b>	<b>1L</b>	<b>HCL</b>	<b>None</b>	<b>N/M</b>	<b>FL PRO</b>		<b>APP</b>	
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-4SR</b>	SAMPLE ID: <b>MW-4SR</b>
DATE: <b>1/21/14</b>	

**PURGING DATA**

WELL DIAMETER (Inches): <b>2</b>	TUBING DIAMETER (Inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: <b>feet to feet</b>	STATIC DEPTH TO WATER (feet): <b>11.80</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>25</b> feet - <b>11.80</b> feet ) X <b>.16</b> gallons/foot = <b>2.11</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( _____ gallons/foot X _____ feet ) + _____ gallons = _____ gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>13</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>14</b>	PURGING INITIATED AT: <b>1018</b>	PURGING ENDED AT: <b>1111</b>	TOTAL VOLUME PURGED (gallons): <b>4.25</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1103</b>	<b>3.75</b>	<b>3.75</b>	<b>.08</b>	<b>13.12</b>	<b>5.03</b>	<b>22.80</b>	<b>178</b>	<b>.60</b>	<b>6.85</b>	<b>clear</b>	<b>None</b>
<b>1107</b>	<b>.25</b>	<b>4.0</b>	<b>.06</b>	<b>13.11</b>	<b>5.01</b>	<b>22.43</b>	<b>175</b>	<b>.56</b>	<b>6.54</b>	<b>↓</b>	<b>↓</b>
<b>1111</b>	<b>.25</b>	<b>4.25</b>	<b>.06</b>	<b>13.11</b>	<b>4.97</b>	<b>22.15</b>	<b>174</b>	<b>.54</b>	<b>6.48</b>	<b>↓</b>	<b>↓</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>1112</b>		SAMPLING ENDED AT: <b>1113</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>14</b>				TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: <b>Y</b> <input checked="" type="checkbox"/>		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP <b>Y</b> <input checked="" type="checkbox"/>				TUBING <b>Y</b> <input checked="" type="checkbox"/> <b>(replaced)</b>		DUPLICATE: <b>Y</b> <input checked="" type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	<b>BTEXM</b>	<b>RFPP</b>	<b>100</b>		
	<b>3</b>	<b>CG</b>	<b>40ML</b>	<b>HCL</b>	<b>None</b>	<b>N/M</b>					
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-5SR</b>	SAMPLE ID: <b>MW-5SR</b>
DATE: <b>1/21/14</b>	

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>13.75</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>25</b> feet - <b>13.75</b> feet ) X <b>.16</b> gallons/foot = <b>1.8</b> gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + ( gallons/foot X feet ) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>15</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>15</b>	PURGING INITIATED AT: <b>1108</b>	PURGING ENDED AT: <b>1150</b>	TOTAL VOLUME PURGED (gallons): <b>3.75</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1129	0.5	0.5	0.11	14.35	5.73	22.57	238	0.41	33.4	Clear	slight
1137	0.5	3.0	0.06	14.28	5.70	22.34	244	0.77	30.9	↓	↓
1142	0.25	3.25	0.05	14.20	5.74	22.41	247	0.82	19.8	↓	↓
1146	0.25	3.50	0.06	14.19	5.76	22.40	247	0.84	19.75	↓	↓
1150	0.25	3.75	0.06								

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE / J. BURKETT / AMEC</b>			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: <b>1151</b>		SAMPLING ENDED AT: <b>1157</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>15</b>			TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>			DUPLICATE: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	3	CG	40ML	HCL	None	4/M	BTEXM	RFPP	100
	2	AG	250ML	None	None	N/M	PAH'S	APP	150

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: SUNRISE FOO MART (aka Coastal Mart)		SITE LOCATION: LAKE BUTLER, FLORIDA	
WELL NO: MW-6SR	SAMPLE ID: MW-6SR	DATE: 1/21/14	

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8X1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 12.83	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( 25 feet - 12.83 feet ) X 116 gallons/foot = 1.94 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + ( gallons/foot X feet ) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14	PURGING INITIATED AT: 1118	PURGING ENDED AT: 1158	TOTAL VOLUME PURGED (gallons): 4.25							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1152	3.75	3.75	.11	13.00	5.03	22.99	129	0.44	6.35	clear	None
1155	.25	4.0	.08	12.99	5.03	23.03	127	0.43	5.10	↓	↓
1158	.25	4.25	.08	12.99	5.09	23.13	126	0.43	5.31	↓	↓
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: P. CRAINE / J. BURKETT / AMEC				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i> <i>[Signature]</i>				SAMPLING INITIATED AT: 1159		SAMPLING ENDED AT: 1203	
PUMP OR TUBING DEPTH IN WELL (feet): 14				TUBING MATERIAL CODE: PE				FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N <input type="radio"/>				TUBING Y <input checked="" type="radio"/> N (replaced) <input type="radio"/>				DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	BTEXM	12FPP	100		
	3	CG	40mL	HCL	None	N/A					
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-8SR</b>	SAMPLE ID: <b>MW-8SR</b>
DATE: <b>1/21/14</b>	

**PURGING DATA**

WELL DIAMETER (Inches): 2	TUBING DIAMETER (Inches): 3/8X1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>11.59</b>	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <u>25</u> feet - <u>11.59</u> feet ) X <u>.16</u> gallons/foot = <u>2.14</u> gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + ( gallons/foot X feet ) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>13</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>13</b>	PURGING INITIATED AT: <b>1158</b>	PURGING ENDED AT: <b>1245</b>	TOTAL VOLUME PURGED (gallons): <b>4.75</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1217	2.25	2.25	.11	14.15	5.98	24.50	287	0.40	44.7	clear	slight
1227	1.0	3.25	.10	14.45	6.47	24.18	391	0.69	41.2	"	"
1233	.5	3.75	.08	14.45	6.70	24.09	417	0.59	38.4	↓	↓
1239	.5	4.25	.08	14.68	8.55	24.06	443	.34	30.0	↓	↓
1242	.25	4.50	.08	14.72	8.65	23.97	446	.44	31.0	↓	↓
1245	.25	4.75	.08	14.75	8.73	23.90	444	.44	32.0	↓	↓

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: P. CRAINE / J. BURKETT / AMEC			SAMPLER(S) SIGNATURE(S): <i>[Signatures]</i>			SAMPLING INITIATED AT: <b>1246</b>		SAMPLING ENDED AT: <b>1250</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>13</b>			TUBING MATERIAL CODE: <b>PE</b>			FIELD-FILTERED: Y <input checked="" type="checkbox"/>		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> (N (replaced))			DUPLICATE: Y <input checked="" type="checkbox"/>			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	3	CG	40ML	HCL	None	N/M	BTEXM	RFP	100
	2	AL	250ML	None	None	N/M	PAH'S	APP	150

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-23SR</b>	SAMPLE ID: <b>MW-23SR</b>
DATE: <b>1/21/14</b>	

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>15.40</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>25</b> feet - <b>15.40</b> feet ) X <b>16</b> gallons/foot = <b>1.53</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( _____ gallons/foot X _____ feet ) + _____ gallons = _____ gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>	PURGING INITIATED AT: <b>1422</b>	PURGING ENDED AT: <b>1447</b>	TOTAL VOLUME PURGED (gallons): <b>3.0</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) (mg/l) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1441</b>	<b>2.5</b>	<b>2.5</b>	<b>.13</b>	<b>15.60</b>	<b>8.29</b>	<b>24.46</b>	<b>375</b>	<b>.51</b>	<b>5.55</b>	<b>clear</b>	<b>None</b>
<b>1444</b>	<b>.25</b>	<b>2.75</b>	<b>.08</b>	<b>15.45</b>	<b>8.23</b>	<b>24.33</b>	<b>372</b>	<b>.57</b>	<b>5.90</b>	<b>↓</b>	<b>↓</b>
<b>1447</b>	<b>.25</b>	<b>3.0</b>	<b>.08</b>	<b>15.45</b>	<b>8.19</b>	<b>24.17</b>	<b>370</b>	<b>.60</b>	<b>6.14</b>	<b>↓</b>	<b>↓</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE / J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>1448</b>		SAMPLING ENDED AT: <b>1457</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>				TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>				TUBING Y <input checked="" type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>		DUPLICATE: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	<b>3</b>	<b>CG</b>	<b>40ML</b>	<b>None</b>	<b>None</b>	<b>N/M</b>	<b>BTEXM</b>	<b>RFP</b>	<b>100</b>		
	<b>2</b>	<b>AG</b>	<b>250ML</b>	<b>None</b>	<b>None</b>	<b>N/M</b>	<b>PAH'S</b>	<b>APP</b>	<b>150</b>		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO : <b>MW-26CR</b>	SAMPLE ID: <b>MW-26CR</b>
DATE: <b>1/21/14</b>	

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>15.45</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>25</b> feet - <b>15.45</b> feet ) X <b>0.16</b> gallons/foot = <b>1.52</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + ( gallons/foot X feet ) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>18</b>	PURGING INITIATED AT: <b>1440</b>	PURGING ENDED AT: <b>1503</b>	TOTAL VOLUME PURGED (gallons): <b>3.0</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1457</b>	<b>2.5</b>	<b>2.5</b>	<b>.14</b>	<b>17.35</b>	<b>11.84</b>	<b>24.41</b>	<b>6870</b>	<b>.64</b>	<b>2.84</b>	<b>Clear</b>	<b>None</b>
<b>1500</b>	<b>.25</b>	<b>2.75</b>	<b>.08</b>	<b>17.36</b>	<b>11.84</b>	<b>24.16</b>	<b>6875</b>	<b>.61</b>	<b>2.67</b>	<b>↓</b>	<b>↓</b>
<b>1503</b>	<b>.25</b>	<b>3.0</b>	<b>.08</b>	<b>17.41</b>	<b>11.84</b>	<b>24.11</b>	<b>6905</b>	<b>.69</b>	<b>2.28</b>	<b>↓</b>	<b>↓</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE / J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>1504</b>		SAMPLING ENDED AT: <b>1507</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>18</b>				TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: Y <input checked="" type="checkbox"/> (N)		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> (N)				TUBING Y <input checked="" type="checkbox"/> (N (replaced))		DUPLICATE: Y <input checked="" type="checkbox"/> (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	<b>3</b>	<b>CG</b>	<b>40ML</b>	<b>HCl</b>	<b>None</b>	<b>N/M</b>	<b>BTEXM</b>	<b>RFPP</b>	<b>100</b>		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-27CR</b>	SAMPLE ID: <b>MW-27CR</b> DATE: <b>1/21/14</b>

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>15.22</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>25</b> feet - <b>15.22</b> feet ) X <b>116</b> gallons/foot = <b>1.56</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) =                      gallons + (                      gallons/foot X                      feet ) +                      gallons =                      gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>	PURGING INITIATED AT: <b>1456</b>	PURGING ENDED AT: <b>1518</b>	TOTAL VOLUME PURGED (gallons): <b>2.50</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1512</b>	<b>2.0</b>	<b>2.0</b>	<b>.12</b>	<b>15.98</b>	<b>11.60</b>	<b>24.25</b>	<b>3377</b>	<b>.54</b>	<b>3.63</b>	<b>Clear</b>	<b>None</b>
<b>1515</b>	<b>.25</b>	<b>2.25</b>	<b>.08</b>	<b>15.95</b>	<b>11.60</b>	<b>24.16</b>	<b>3382</b>	<b>.59</b>	<b>3.15</b>	<b>b</b>	<b>b</b>
<b>1518</b>	<b>.25</b>	<b>2.50</b>	<b>.08</b>	<b>15.91</b>	<b>11.59</b>	<b>23.93</b>	<b>3402</b>	<b>.61</b>	<b>3.05</b>		
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE / J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>1519</b>		SAMPLING ENDED AT: <b>1525</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>				TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: <b>Y</b> (N)		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP <b>Y</b> (N) TUBING <b>Y</b> (N (replaced))				DUPLICATE: <b>Y</b> (N)							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	<b>3</b>	<b>CG</b>	<b>40mL</b>	<b>None</b>	<b>None</b>	<b>N/M</b>	<b>BTEXM</b>	<b>RFP</b>	<b>100</b>		
	<b>3</b>	<b>CG</b>	<b>40mL</b>	<b>None</b>	<b>None</b>	<b>N/M</b>	<b>EDB</b>	<b>RFP</b>	<b>150</b>		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: SUNRISE FOO MART (aka Coastal Mart)		SITE LOCATION: LAKE BUTLER, FLORIDA	
WELL NO: MW-30C	SAMPLE ID: MW-30C	DATE: 1/21/14	

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8X1/4	WELL SCREEN INTERVAL DEPTH: 10 feet to 25 feet	STATIC DEPTH TO WATER (feet): 13.42	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( 25 feet - 13.42 feet ) X 1.16 gallons/foot = 1.35 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + ( gallons/foot X feet ) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1526	PURGING ENDED AT: 1547	TOTAL VOLUME PURGED (gallons): 250							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1541	2.0	2.0	.13	14.85	5.00	23.52	109	.53	4.36	clear	None
1544	.25	2.25	.08	14.60	5.00	23.56	110	.53	3.65	↓	↓
1547	.25	2.50	.08	14.59	4.99	23.41	110	.57	3.98	↓	↓
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: P. CRAINE / J. BURKETT / AMEC				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 1548		SAMPLING ENDED AT: 1553	
PUMP OR TUBING DEPTH IN WELL (feet): 15				TUBING MATERIAL CODE: PE		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N				TUBING Y <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: Y <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	BTEXM	RFPP	100	
	3	CG	40ML	HCL	None	N/M	EDB	RFPP	100	
	3	CG	40ML	None	None	N/M				
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>		SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>	
WELL NO: <b>MW-38SR</b>	SAMPLE ID: <b>MW-38SR</b>	DATE: <b>1/21/14</b>	

**PURGING DATA**

WELL DIAMETER (Inches): <b>2</b>	TUBING DIAMETER (Inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: <b>10 feet to 25 feet</b>	STATIC DEPTH TO WATER (feet): <b>9.70</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>25</b> feet - <b>9.70</b> feet ) X <b>1.16</b> gallons/foot = <b>2.44</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( _____ gallons/foot X _____ feet ) + _____ gallons = _____ gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>11</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>11</b>	PURGING INITIATED AT: <b>0906</b>	PURGING ENDED AT: <b>0956</b>	TOTAL VOLUME PURGED (gallons): <b>4.25</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>0937</b>	<b>3.0</b>	<b>3.0</b>	<b>1.09</b>	<b>10.10</b>	<b>5.00</b>	<b>23.60</b>	<b>268</b>	<b>0.59</b>	<b>4.63</b>	<b>Clear</b>	<b>None</b>
<b>0947</b>	<b>1.75</b>	<b>3.75</b>	<b>1.07</b>	<b>10.10</b>	<b>4.95</b>	<b>23.70</b>	<b>259</b>	<b>0.77</b>	<b>4.447</b>	<b>↓</b>	<b>↓</b>
<b>0956</b>	<b>.5</b>	<b>4.25</b>	<b>1.05</b>	<b>10.10</b>	<b>4.95</b>	<b>23.88</b>	<b>255</b>	<b>0.84</b>	<b>4.01</b>	<b>↓</b>	<b>↓</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor, BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE / J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>0957</b>		SAMPLING ENDED AT: <b>1001</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>11</b>				TUBING MATERIAL CODE:		FIELD-FILTERED: <b>Y</b> <input checked="" type="checkbox"/> <b>N</b>		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP <b>Y</b> <input checked="" type="checkbox"/> <b>N</b>				TUBING <b>Y</b> <input checked="" type="checkbox"/> <b>N (replaced)</b>		DUPLICATE: <b>Y</b> <input checked="" type="checkbox"/> <b>N</b>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	BTEXM		12FPP		
	<b>3</b>	<b>CG</b>	<b>40mL</b>	<b>HCL</b>	<b>None</b>	<b>N/M</b>			<b>100</b>		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-60S</b>	SAMPLE ID: <b>MW-60S</b>
DATE: <b>1/21/14</b>	

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: <b>5</b> feet to <b>22</b> feet	STATIC DEPTH TO WATER (feet): <b>14.33</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>22</b> feet - <b>14.33</b> feet ) X <b>.16</b> gallons/foot = <b>1.22</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( _____ gallons/foot X _____ feet ) + _____ gallons = _____ gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>	PURGING INITIATED AT: <b>1511</b>	PURGING ENDED AT: <b>1528</b>	TOTAL VOLUME PURGED (gallons): <b>2.0</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1522</b>	<b>1.5</b>	<b>1.5</b>	<b>.13</b>	<b>14.35</b>	<b>5.58</b>	<b>24.56</b>	<b>163</b>	<b>1.13</b>	<b>3.20</b>	<b>clear</b>	<b>None</b>
<b>1525</b>	<b>.25</b>	<b>1.75</b>	<b>.08</b>	<b>14.35</b>	<b>5.53</b>	<b>24.49</b>	<b>159</b>	<b>1.13</b>	<b>2.98</b>	<b>↓</b>	<b>↓</b>
<b>1528</b>	<b>.25</b>	<b>2.0</b>	<b>.08</b>	<b>14.35</b>	<b>5.42</b>	<b>24.39</b>	<b>152</b>	<b>1.27</b>	<b>2.85</b>	<b>↓</b>	<b>↓</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.005; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>1529</b>		SAMPLING ENDED AT: <b>1535</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>				TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: <b>Y</b> <input checked="" type="checkbox"/> <b>N</b>		FILTER SIZE: _____ µm			
FIELD DECONTAMINATION: PUMP <b>Y</b> <input checked="" type="checkbox"/> <b>N</b>				TUBING <b>Y</b> <input checked="" type="checkbox"/> <b>N</b> (replaced)		DUPLICATE: <b>Y</b> <input checked="" type="checkbox"/> <b>N</b>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	<b>3</b>	<b>CG</b>	<b>40mL</b>	<b>HCL</b>	<b>None</b>	<b>N/M</b>	<b>BTEXM</b>		<b>12FPP</b>		
	<b>3</b>	<b>CG</b>	<b>40mL</b>	<b>None</b>	<b>None</b>	<b>N/M</b>	<b>EDB</b>		<b>RFPP</b>		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-61SR</b>	SAMPLE ID: <b>MW-61SR</b>
DATE: <b>1/21/14</b>	

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>14.46</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>25</b> feet - <b>14.46</b> feet ) X <b>1.16</b> gallons/foot = <b>1.68</b> gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = <b>1342</b> gallons + <b>1342</b> gallons/foot X <b>21343</b> feet + <b>1342</b> gallons = <b>1342</b> gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>	PURGING INITIATED AT: <b>1408</b>	PURGING ENDED AT: <b>1412</b>	TOTAL VOLUME PURGED (gallons): <b>3.50</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1406</b>	<b>3.0</b>	<b>3.0</b>	<b>.12</b>	<b>14.46</b>	<b>5.48</b>	<b>23.36</b>	<b>199</b>	<b>.62</b>	<b>3.48</b>	<b>clear</b>	<b>Non P</b>
<b>1409</b>	<b>.25</b>	<b>3.25</b>	<b>.08</b>	<b>14.46</b>	<b>5.49</b>	<b>23.14</b>	<b>197</b>	<b>.66</b>	<b>2.76</b>	<b>↓</b>	<b>↓</b>
<b>1412</b>	<b>.25</b>	<b>3.50</b>	<b>.08</b>	<b>14.46</b>	<b>5.45</b>	<b>23.10</b>	<b>195</b>	<b>.72</b>	<b>2.50</b>	<b>↓</b>	<b>↓</b>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016  
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: P. CRAINE / J. BURKETT / AMEC				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: <b>1413</b>		SAMPLING ENDED AT: <b>1416</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>16</b>				TUBING MATERIAL CODE: <b>16</b>		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>				TUBING Y <input checked="" type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>		DUPLICATE: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	EDB		<b>RFP</b>	<b>100</b>
	<b>3</b>	<b>CG</b>	<b>40 mL</b>	<b>None</b>	<b>None</b>	<b>N/M</b>				

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)  
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-62SR</b>	SAMPLE ID: <b>MW-62SR</b> DATE: <b>1/21/14</b>

**PURGING DATA**

WELL DIAMETER (Inches): <b>2</b>	TUBING DIAMETER (Inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>15.33</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>25</b> feet - <b>15.33</b> feet ) X <b>0.16</b> gallons/foot = <b>1.5</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) =                      gallons + (                      gallons/foot X                      feet ) +                      gallons =                      gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>	PURGING INITIATED AT: <b>1412</b>	PURGING ENDED AT: <b>1432</b>	TOTAL VOLUME PURGED (gallons): <b>2.25</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1426</b>	<b>1.75</b>	<b>1.75</b>	<b>.12</b>	<b>15.58</b>	<b>9.24</b>	<b>24.74</b>	<b>354</b>	<b>.52</b>	<b>4.31</b>	<b>clear</b>	<b>no xp</b>
<b>1429</b>	<b>.25</b>	<b>2.0</b>	<b>.08</b>	<b>15.55</b>	<b>9.23</b>	<b>24.70</b>	<b>352</b>	<b>.52</b>	<b>4.25</b>	<b>↓</b>	<b>↓</b>
<b>1432</b>	<b>.25</b>	<b>2.25</b>	<b>.08</b>	<b>15.55</b>	<b>9.18</b>	<b>24.62</b>	<b>353</b>	<b>.49</b>	<b>4.44</b>	<b>↓</b>	<b>↓</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE / J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>1433</b>		SAMPLING ENDED AT: <b>1437</b>			
PUMP OR TUBING DEPTH IN WELL (feet): <b>17</b>				TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: Y <input checked="" type="checkbox"/> <b>N</b>		FILTER SIZE: _____ μm					
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> <b>N</b>				TUBING Y <input checked="" type="checkbox"/> <b>N (replaced)</b>		DUPLICATE: Y <input checked="" type="checkbox"/> <b>N</b>							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	BTEXM		RFPP		100		
	<b>3</b>	<b>CG</b>	<b>40mL</b>	<b>rtcl</b>	<b>NONE</b>	<b>N/M</b>							
REMARKS:													
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)													
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)													

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units    Temperature: ± 0.2 °C    Specific Conductance: ± 5%    Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater)    Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-63S</b>	SAMPLE ID: <b>MW-63S</b> DATE: <b>1/21/14</b>

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>12.84</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>22</b> feet - <b>12.84</b> feet ) X <b>1.16</b> gallons/foot = <b>1.46</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) =                      gallons + (                      gallons/foot X                      feet ) +                      gallons =                      gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>14</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>15</b>	PURGING INITIATED AT: <b>1540</b>	PURGING ENDED AT: <b>1600</b>	TOTAL VOLUME PURGED (gallons): <b>2.0</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (umhos/cm or µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1554</b>	<b>1.5</b>	<b>1.5</b>	<b>.10</b>	<b>13.85</b>	<b>4.65</b>	<b>24.85</b>	<b>201</b>	<b>.61</b>	<b>19.8</b>	<b>clear</b>	<b>None</b>
<b>1557</b>	<b>1.75</b>	<b>1.75</b>	<b>.08</b>	<b>13.47</b>	<b>4.64</b>	<b>24.69</b>	<b>203</b>	<b>.63</b>	<b>19.5</b>	<b>↓</b>	<b>↓</b>
<b>1600</b>	<b>2.0</b>	<b>2.0</b>	<b>.08</b>	<b>13.40</b>	<b>4.70</b>	<b>24.61</b>	<b>203</b>	<b>.71</b>	<b>19.4</b>	<b>↓</b>	<b>↓</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE / J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>1601</b>		SAMPLING ENDED AT: <b>1608</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>15</b>				TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: Y <input checked="" type="checkbox"/> <b>N</b>		FILTER SIZE: _____ µm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> <b>N</b>				TUBING Y <input checked="" type="checkbox"/> <b>N (replaced)</b>		DUPLICATE: Y <input checked="" type="checkbox"/> <b>N</b>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	<b>3</b>	<b>CG</b>	<b>40 mL</b>	<b>HCL</b>	<b>None</b>	<b>N/A</b>	<b>BTEXM</b>	<b>12FPP</b>	<b>100</b>		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units    Temperature: ± 0.2 °C    Specific Conductance: ± 5%    Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater)    Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>	SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>
WELL NO: <b>MW-67S</b>	SAMPLE ID: <b>MW-67S</b> DATE: <b>1/21/14</b>

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: <b>10 feet to 25 feet</b>	STATIC DEPTH TO WATER (feet): <b>8.95</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>25 feet - 8.95</b> feet ) X <b>16</b> gallons/foot = <b>2.56</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( _____ gallons/foot X _____ feet ) + _____ gallons = _____ gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>10</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>10</b>	PURGING INITIATED AT: <b>0937</b>	PURGING ENDED AT: <b>1011</b>	TOTAL VOLUME PURGED (gallons): <b>4.25</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1000</b>	<b>2.75</b>	<b>2.75</b>	<b>.11</b>	<b>9.35</b>	<b>5.31</b>	<b>22.67</b>	<b>177</b>	<b>0.67</b>	<b>4.44</b>	<b>clean</b>	<b>None</b>
<b>1005</b>	<b>.75</b>	<b>3.50</b>	<b>.15</b>	<b>9.36</b>	<b>5.30</b>	<b>22.39</b>	<b>177</b>	<b>0.56</b>	<b>4.32</b>	<b>d</b>	<b>l</b>
<b>1011</b>	<b>.75</b>	<b>4.25</b>	<b>NL</b>	<b>9.35</b>	<b>5.27</b>	<b>22.31</b>	<b>178</b>	<b>0.56</b>	<b>4.57</b>	<b>d</b>	<b>l</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE / J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>1012</b>		SAMPLING ENDED AT: <b>1015</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>10</b>				TUBING MATERIAL CODE: <b>PE</b>		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>				TUBING Y <input checked="" type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>		DUPLICATE: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	<b>3</b>	<b>Cl6</b>	<b>40ml</b>	<b>HCl</b>	<b>None</b>	<b>N/A</b>	<b>BTEXM</b>	<b>RFP</b>	<b>100</b>		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units    Temperature: ± 0.2 °C    Specific Conductance: ± 5%    Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater)    Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <b>SUNRISE FOO MART (aka Coastal Mart)</b>		SITE LOCATION: <b>LAKE BUTLER, FLORIDA</b>	
WELL NO: <b>MW-69S</b>	SAMPLE ID: <b>MW-69S</b>	DATE: <b>1/21/14</b>	

**PURGING DATA**

WELL DIAMETER (Inches): <b>2</b>	TUBING DIAMETER (Inches): <b>3/8X1/4</b>	WELL SCREEN INTERVAL DEPTH: <b>feet to feet</b>	STATIC DEPTH TO WATER (feet): <b>7.80</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>25</b> feet - <b>7.80</b> feet ) X <b>1.6</b> gallons/foot = <b>2.75</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = <b>gallons</b> + ( <b>gallons/foot</b> X <b>feet</b> ) + <b>gallons</b> = <b>gallons</b>											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>9</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>9</b>	PURGING INITIATED AT: <b>0821</b>	PURGING ENDED AT: <b>0900</b>	TOTAL VOLUME PURGED (gallons): <b>4.25</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) (mg/l) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>0845</b>	<b>2.75</b>	<b>2.75</b>	<b>1.1</b>	<b>8.72</b>	<b>5.20</b>	<b>22.95</b>	<b>450</b>	<b>.99</b>	<b>4.49</b>	<b>Clear</b>	<b>None</b>
<b>0851</b>	<b>.75</b>	<b>3.50</b>	<b>1.2</b>	<b>8.68</b>	<b>5.21</b>	<b>23.09</b>	<b>449</b>	<b>.92</b>	<b>4.22</b>	<b>6</b>	<b>6</b>
<b>0900</b>	<b>.75</b>	<b>4.25</b>	<b>1.08</b>	<b>8.65</b>	<b>5.25</b>	<b>22.78</b>	<b>446</b>	<b>.96</b>	<b>5.11</b>	<b>6</b>	<b>6</b>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.18; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>P. CRAINE / J. BURKETT / AMEC</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: <b>0901</b>		SAMPLING ENDED AT: <b>0903</b>		
PUMP OR TUBING DEPTH IN WELL (feet): <b>9</b>				TUBING MATERIAL CODE: <b>PE</b>				FIELD-FILTERED: <b>Y</b> <input checked="" type="checkbox"/> <b>NR</b>		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <b>Y</b> <input checked="" type="checkbox"/> <b>NR</b>				TUBING <b>Y</b> <input checked="" type="checkbox"/> <b>N (replaced)</b>				DUPLICATE: <b>Y</b> <input checked="" type="checkbox"/> <b>N</b>				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	BTEXM		RFPP		100	
	<b>3</b>	<b>CG</b>	<b>40ML</b>	<b>HCL</b>	<b>None</b>	<b>N/M</b>						
REMARKS:												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: + 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

FORM FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Project/site name: Sunrise Food Mart, Lake Butler, Florida

Date: 1/21/14

Instrument /Meter Model# YSI-556MPS AMEC Unique ID #: TLH-YSI-01

Instrument /Meter Model# HACH 2100p AMEC Unique ID #: TALL-HACH-04

Temperature (Quarterly) For Date of Last Temperature Verification See Page# (FT-1400) in Log Book YSI Temp=            Thermometer =           

DISSOLVED OXYGEN	DEP SOP	INITIALS	DATE	TIME	% Saturation/Pressure (instrument)	Mg/l (instrument)	TEMP° c	% DO (from Chart)	Saturation Mg/L (from Chart)	Pass	Fail
CAL ICV CCV	FT-1500	PVC	1/21/14	0638	100%	9.63	17.04	100%	9.58	X	
CAL ICV CCV		↓	↓	0638	100%	9.69	16.88	100%	9.705	X	
CAL ICV CCV		↓	↓	1605	100%	9.02	20.38	100%	9.03	X	
CAL ICV CCV											
CAL ICV CCV											
CAL ICV CCV											
CAL ICV CCV											
CAL ICV CCV											
CAL ICV CCV											
CAL ICV CCV											
Specific Conductance	DEP SOP	INITIALS	DATE	TIME	Standard Value μmhos	Exp. Date	Lot #	Manufacturer	Reading μmhos	Pass	Fail
CAL ICV CCV	FT-1200	PVC	1/21/14	0635	10	8/2014	2309646	RICCA	17	X	
CAL ICV CCV		↓	↓	↓	200	9/2015	2304394	RICCA	203	X	
CAL ICV CCV		↓	↓	1605	5000	1/2015	2305E33	RICCA	502.1	X	
CAL ICV CCV					200	9/2015	2304394	RICCA	203	X	
CAL ICV CCV											
CAL ICV CCV											
CAL ICV CCV											
CAL ICV CCV											
CAL ICV CCV											
CAL ICV CCV											
CAL ICV CCV											

Acceptance Criteria: +/- 5%

Completed by: PVC  
Checked by:

FORM FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Project/site name: Sunrise Food Mart, Lake Butler, Florida

Date: 1/21/14

Instrument /Meter Model# YSI-556MPS AMEC Unique ID #: TLH-YSI-01

Instrument /Meter Model# HACH Z100p AMEC Unique ID #: TALL-HACH-04

Oxygen reduction Potential	INITIALS	DATE	TIME	Standard Value	Exp. Date	Lot#	Manufacturer	Instrument Reading	Pass	Fail
<b>Acceptance Criteria</b>										
CAL ICV <u>CCV</u>	<u>PVC</u>	<u>1/21/14</u>	<u>0638</u>	240MV	12/2017	5349	HANNA	<u>237.5</u>	X	
CAL ICV <u>CCV</u>	<u>PVC</u>	<u>1/21/14</u>	<u>1605</u>	<u>240MV</u>	<u>12/2017</u>	<u>5349</u>	<u>Hanna</u>	<u>236.7</u>	X	
CAL ICV <u>CCV</u>										
CAL ICV <u>CCV</u>										
CAL ICV <u>CCV</u>										
CAL ICV <u>CCV</u>										
CAL ICV <u>CCV</u>										
<b>Ph</b>	DEP SOP	DATE	TIME	Standard SU	Exp. Date	Lot#	Manufacturer	Reading SU	Pass	Fail
<b>Acceptance Criteria: +/- 0.2 SU</b>										
CAL ICV <u>CCV</u>	<u>PVC</u>	<u>1/21/14</u>	<u>0632</u>	4.0	3/2015	2303957	VWR/PINE	<u>4.04</u>	X	
CAL ICV <u>CCV</u>	↓	↓	↓	7.0	7/2015	2308788	VWR/PINE	<u>6.86</u>	X	
CAL ICV <u>CCV</u>	↓	↓	↓	10.0	9/2014	2303A14	VWR/PINE	<u>10.03</u>	X	
CAL ICV <u>CCV</u>	↓	↓	↓	4.0	3/2015	2303957	VWR/PINE	<u>4.19</u>	X	
CAL ICV <u>CCV</u>	↓	↓	↓	7.0	7/2015	2308788	VWR/PINE	<u>6.87</u>	X	
CAL ICV <u>CCV</u>										
CAL ICV <u>CCV</u>										
CAL ICV <u>CCV</u>										
CAL ICV <u>CCV</u>										
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CAL ICV <u>CCV</u>										
CAL ICV <u>CCV</u>										

Completed by PVC  
Checked by \_\_\_\_\_



**ATTACHMENT B**  
**LABORATORY ANALYTICAL REPORTS**

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING


## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Tallahassee  
2846 Industrial Plaza Drive  
Tallahassee, FL 32301  
Tel: (850)878-3994

TestAmerica Job ID: 640-46532-1  
Client Project/Site: Sunrise Food Mart/FAC ID:63-8517149

For:  
AMEC Environment & Infrastructure, Inc.  
2533 Greer Road  
Suite 6  
Tallahassee, Florida 32308

Attn: Mr. Geoff Schaefer



Authorized for release by:  
1/28/2014 4:20:39 PM

Chad Bechtold, Manager of Project Management  
(850)878-3994  
chad.bechtold@testamericainc.com

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

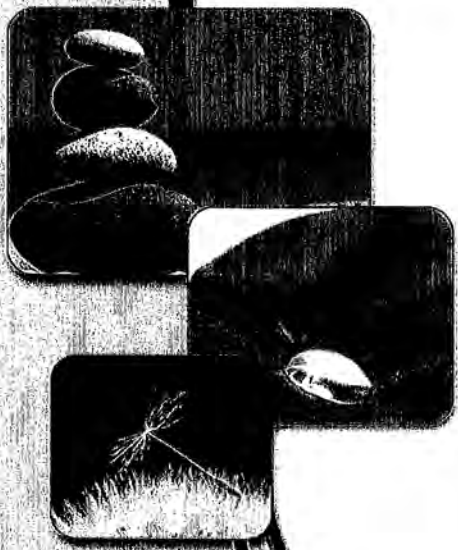
**?** Ask  
The  
Expert

Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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## Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.  
Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

3

### Qualifiers

#### GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

#### GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

#### GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

TestAmerica Tallahassee

## Case Narrative

Client: AMEC Environment & Infrastructure, Inc.  
Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

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**Job ID: 640-46532-1**

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**Laboratory: TestAmerica Tallahassee**

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**Narrative**

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**Job Narrative**  
640-46532-1

**Comments**

No additional comments.

**Receipt**

The samples were received on 1/22/2014 at 5:58 PM. The samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.4° C.

**GC/MS VOA**

No analytical or quality issues were noted.

**GC/MS Semi VOA**

No analytical or quality issues were noted.

**GC Semi VOA**

No analytical or quality issues were noted.

**Organic Prep**

Method 3520C: Insufficient sample volume was available to perform batch matrix spike (MS) and matrix spike duplicate (MSD) associated with batch 107202. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No other analytical or quality issues were noted.

## Detection Summary

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Client Sample ID: MW-55I

Lab Sample ID: 640-46532-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	21		1.0	0.44	ug/L	1		8260B	Total/NA

### Client Sample ID: MW-40IR

Lab Sample ID: 640-46532-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	10		1.0	0.50	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	16		1.0	0.44	ug/L	1		8260B	Total/NA

### Client Sample ID: MW-69S

Lab Sample ID: 640-46532-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	11		1.0	0.50	ug/L	1		8260B	Total/NA
Ethylbenzene	1.8		1.0	0.44	ug/L	1		8260B	Total/NA
Xylenes, Total	2.1		3.0	0.50	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	12		1.0	0.44	ug/L	1		8260B	Total/NA

### Client Sample ID: MW-22IR

Lab Sample ID: 640-46532-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.9		1.0	0.50	ug/L	1		8260B	Total/NA
Toluene	3.2		1.0	0.51	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	32		1.0	0.44	ug/L	1		8260B	Total/NA
Ethylbenzene - DL	92		10	4.4	ug/L	10		8260B	Total/NA
Xylenes, Total - DL	200		30	5.0	ug/L	10		8260B	Total/NA

### Client Sample ID: MW-38SR

Lab Sample ID: 640-46532-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	22		1.0	0.50	ug/L	1		8260B	Total/NA
Toluene	0.79		1.0	0.51	ug/L	1		8260B	Total/NA
Ethylbenzene	59		1.0	0.44	ug/L	1		8260B	Total/NA
Xylenes, Total	140		3.0	0.50	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	26		1.0	0.44	ug/L	1		8260B	Total/NA

### Client Sample ID: MW-67S

Lab Sample ID: 640-46532-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		10	5.0	ug/L	10		8260B	Total/NA
Toluene	150		10	5.1	ug/L	10		8260B	Total/NA
Ethylbenzene	190		10	4.4	ug/L	10		8260B	Total/NA
Xylenes, Total	340		30	5.0	ug/L	10		8260B	Total/NA

### Client Sample ID: MW-4IR

Lab Sample ID: 640-46532-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	3.4		1.0	0.44	ug/L	1		8260B	Total/NA

### Client Sample ID: MW-4SR

Lab Sample ID: 640-46532-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	3.4		1.0	0.44	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tallahassee

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## Detection Summary

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Client Sample ID: MW-4SR (Continued)

Lab Sample ID: 640-46532-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.1		1.0	0.50	ug/L	1		8260B	Total/NA
Ethylbenzene	1.2		1.0	0.44	ug/L	1		8260B	Total/NA
Xylenes, Total	0.92		3.0	0.50	ug/L	1		8260B	Total/NA

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### Client Sample ID: MW-5SR

Lab Sample ID: 640-46532-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.6		2.0	1.0	ug/L	2		8260B	Total/NA
Toluene	36		2.0	1.0	ug/L	2		8260B	Total/NA
Ethylbenzene - DL	270		20	8.8	ug/L	20		8260B	Total/NA
Xylenes, Total - DL	540		60	10	ug/L	20		8260B	Total/NA
Naphthalene	64		0.40	0.080	ug/L	2		8270D LL	Total/NA
1-Methylnaphthalene	15		0.40	0.080	ug/L	2		8270D LL	Total/NA
2-Methylnaphthalene	28		0.40	0.062	ug/L	2		8270D LL	Total/NA
Acenaphthene	0.16		0.40	0.080	ug/L	2		8270D LL	Total/NA
Fluorene	0.10		0.40	0.080	ug/L	2		8270D LL	Total/NA
Phenanthrene	0.14		0.40	0.080	ug/L	2		8270D LL	Total/NA

### Client Sample ID: MW-6SR

Lab Sample ID: 640-46532-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	210		10	5.0	ug/L	10		8260B	Total/NA
Toluene - DL	3600		100	51	ug/L	100		8260B	Total/NA
Ethylbenzene - DL	1000		100	44	ug/L	100		8260B	Total/NA
Xylenes, Total - DL	3400		300	50	ug/L	100		8260B	Total/NA

### Client Sample ID: MW-8SR

Lab Sample ID: 640-46532-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	36		2.0	1.0	ug/L	2		8260B	Total/NA
Toluene	150		2.0	1.0	ug/L	2		8260B	Total/NA
Ethylbenzene	130		2.0	0.88	ug/L	2		8260B	Total/NA
Xylenes, Total - DL	680		60	10	ug/L	20		8260B	Total/NA
Naphthalene	29		0.20	0.040	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	19		0.20	0.040	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	35		0.20	0.031	ug/L	1		8270D LL	Total/NA
Acenaphthene	0.23		0.20	0.040	ug/L	1		8270D LL	Total/NA
Anthracene	0.044		0.20	0.040	ug/L	1		8270D LL	Total/NA
Fluorene	0.17		0.20	0.040	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.26		0.20	0.040	ug/L	1		8270D LL	Total/NA

### Client Sample ID: MW-2S

Lab Sample ID: 640-46532-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	31		10	5.0	ug/L	10		8260B	Total/NA
Toluene	48		10	5.1	ug/L	10		8260B	Total/NA
Ethylbenzene	310		10	4.4	ug/L	10		8260B	Total/NA
Xylenes, Total - DL	1800		300	50	ug/L	100		8260B	Total/NA
Total Petroleum Hydrocarbons (C8-C40)	4.6		0.30	0.094	mg/L	1		FL-PRO	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tallahassee

## Detection Summary

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Client Sample ID: MW-61SR

Lab Sample ID: 640-46532-13

Analyte	Result	Qualifier	PQL	MDL	Unit	DII Fac	D	Method	Prep Type
EDB	0.65		0.019	0.0061	ug/L	1		8011	Total/NA

### Client Sample ID: MW-62SR

Lab Sample ID: 640-46532-14

Analyte	Result	Qualifier	PQL	MDL	Unit	DII Fac	D	Method	Prep Type
Benzene	350		10	5.0	ug/L	10		8260B	Total/NA
Toluene	61		10	5.1	ug/L	10		8260B	Total/NA
Ethylbenzene	260		10	4.4	ug/L	10		8260B	Total/NA
Xylenes, Total	160		30	5.0	ug/L	10		8260B	Total/NA
Methyl tert-butyl ether	290		10	4.4	ug/L	10		8260B	Total/NA

### Client Sample ID: MW-23CR

Lab Sample ID: 640-46532-15

Analyte	Result	Qualifier	PQL	MDL	Unit	DII Fac	D	Method	Prep Type
Benzene	390		20	10	ug/L	20		8260B	Total/NA
Toluene	850		20	10	ug/L	20		8260B	Total/NA
Ethylbenzene	260		20	8.8	ug/L	20		8260B	Total/NA
Xylenes, Total	1100		60	10	ug/L	20		8260B	Total/NA
Methyl tert-butyl ether	240		20	8.8	ug/L	20		8260B	Total/NA
Naphthalene	27		0.20	0.040	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	5.5		0.20	0.040	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	8.6		0.20	0.031	ug/L	1		8270D LL	Total/NA

### Client Sample ID: MW-26CR

Lab Sample ID: 640-46532-16

Analyte	Result	Qualifier	PQL	MDL	Unit	DII Fac	D	Method	Prep Type
Benzene	4.5		1.0	0.50	ug/L	1		8260B	Total/NA
Toluene	9.6		1.0	0.51	ug/L	1		8260B	Total/NA
Ethylbenzene	10		1.0	0.44	ug/L	1		8260B	Total/NA
Xylenes, Total	150		3.0	0.50	ug/L	1		8260B	Total/NA

### Client Sample ID: MW-27CR

Lab Sample ID: 640-46532-17

Analyte	Result	Qualifier	PQL	MDL	Unit	DII Fac	D	Method	Prep Type
Benzene	16		2.0	1.0	ug/L	2		8260B	Total/NA
Toluene	46		2.0	1.0	ug/L	2		8260B	Total/NA
Ethylbenzene	97		2.0	0.88	ug/L	2		8260B	Total/NA
Methyl tert-butyl ether	8.3		2.0	0.88	ug/L	2		8260B	Total/NA
Xylenes, Total - DL	710		60	10	ug/L	20		8260B	Total/NA
EDB	1.3		0.019	0.0061	ug/L	1		8011	Total/NA

### Client Sample ID: MW-60S

Lab Sample ID: 640-46532-18

Analyte	Result	Qualifier	PQL	MDL	Unit	DII Fac	D	Method	Prep Type
Toluene	15		1.0	0.51	ug/L	1		8260B	Total/NA
Ethylbenzene	8.3		1.0	0.44	ug/L	1		8260B	Total/NA
Xylenes, Total	62		3.0	0.50	ug/L	1		8260B	Total/NA
EDB	0.23		0.019	0.0061	ug/L	1		8011	Total/NA

### Client Sample ID: MW-30C

Lab Sample ID: 640-46532-19

This Detection Summary does not include radiochemical test results.

TestAmerica Tallahassee

## Detection Summary

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Client Sample ID: MW-30C (Continued)

Lab Sample ID: 640-46532-19

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	170		10	5.0	ug/L	10		8260B	Total/NA
Toluene	530		10	5.1	ug/L	10		8260B	Total/NA
Ethylbenzene	200		10	4.4	ug/L	10		8260B	Total/NA
Xylenes, Total	1300		30	5.0	ug/L	10		8260B	Total/NA
EDB	3.7		0.093	0.030	ug/L	5		8011	Total/NA

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### Client Sample ID: MW-63S

Lab Sample ID: 640-46532-20

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	18		1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	3.1		3.0	0.50	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tallahassee

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-551**

**Lab Sample ID: 640-46532-1**

**Date Collected: 01/21/14 07:54**

**Matrix: Water**

**Date Received: 01/22/14 17:58**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.50	U	1.0	0.50	ug/L			01/24/14 13:18	1
Toluene	0.51	U	1.0	0.51	ug/L			01/24/14 13:18	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/24/14 13:18	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/24/14 13:18	1
Methyl tert-butyl ether	21		1.0	0.44	ug/L			01/24/14 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		70 - 130		01/24/14 13:18	1
Dibromofluoromethane	104		70 - 130		01/24/14 13:18	1
4-Bromofluorobenzene	91		70 - 130		01/24/14 13:18	1

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## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-40IR**

**Lab Sample ID: 640-46532-2**

**Date Collected: 01/21/14 08:25**

**Matrix: Water**

**Date Received: 01/22/14 17:58**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	10		1.0	0.50	ug/L			01/24/14 13:37	1
Toluene	0.51	U	1.0	0.51	ug/L			01/24/14 13:37	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/24/14 13:37	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/24/14 13:37	1
Methyl tert-butyl ether	16		1.0	0.44	ug/L			01/24/14 13:37	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	86		70 - 130					01/24/14 13:37	1
Dibromofluoromethane	102		70 - 130					01/24/14 13:37	1
4-Bromofluorobenzene	92		70 - 130					01/24/14 13:37	1

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## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-69S**

**Lab Sample ID: 640-46532-3**

Date Collected: 01/21/14 09:01

Matrix: Water

Date Received: 01/22/14 17:58

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11		1.0	0.50	ug/L			01/24/14 13:56	1
Toluene	0.51	U	1.0	0.51	ug/L			01/24/14 13:56	1
Ethylbenzene	1.8		1.0	0.44	ug/L			01/24/14 13:56	1
Xylenes, Total	2.1	I	3.0	0.50	ug/L			01/24/14 13:56	1
Methyl tert-butyl ether	12		1.0	0.44	ug/L			01/24/14 13:56	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	89		70 - 130					01/24/14 13:56	1
Dibromofluoromethane	101		70 - 130					01/24/14 13:56	1
4-Bromofluorobenzene	89		70 - 130					01/24/14 13:56	1

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## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-221R**

**Lab Sample ID: 640-46532-4**

**Date Collected: 01/21/14 09:30**

**Matrix: Water**

**Date Received: 01/22/14 17:58**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8.9		1.0	0.50	ug/L			01/24/14 15:31	1
Toluene	3.2		1.0	0.51	ug/L			01/24/14 15:31	1
Methyl tert-butyl ether	32		1.0	0.44	ug/L			01/24/14 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130		01/24/14 15:31	1
Dibromofluoromethane	97		70 - 130		01/24/14 15:31	1
4-Bromofluorobenzene	117		70 - 130		01/24/14 15:31	1

**Method: 8260B - Volatile Organic Compounds (GC/MS) - DL**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	92		10	4.4	ug/L			01/24/14 14:15	10
Xylenes, Total	200		30	5.0	ug/L			01/24/14 14:15	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		70 - 130		01/24/14 14:15	10
Dibromofluoromethane	102		70 - 130		01/24/14 14:15	10
4-Bromofluorobenzene	101		70 - 130		01/24/14 14:15	10

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## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-38SR**

**Lab Sample ID: 640-46532-5**

Date Collected: 01/21/14 09:57

Matrix: Water

Date Received: 01/22/14 17:58

Method: 8260B - Volatile Organic Compounds (GC/MS)										
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	22		1.0	0.50	ug/L			01/24/14 15:12	1	
Toluene	0.79	I	1.0	0.51	ug/L			01/24/14 15:12	1	
Ethylbenzene	59		1.0	0.44	ug/L			01/24/14 15:12	1	
Xylenes, Total	140		3.0	0.50	ug/L			01/24/14 15:12	1	
Methyl tert-butyl ether	26		1.0	0.44	ug/L			01/24/14 15:12	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
Toluene-d8 (Surr)	94		70 - 130					01/24/14 15:12	1	
Dibromofluoromethane	99		70 - 130					01/24/14 15:12	1	
4-Bromofluorobenzene	108		70 - 130					01/24/14 15:12	1	

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## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-67S**

**Lab Sample ID: 640-46532-6**

Date Collected: 01/21/14 10:12

Matrix: Water

Date Received: 01/22/14 17:58

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	160		10	5.0	ug/L			01/24/14 14:53	10
Toluene	150		10	5.1	ug/L			01/24/14 14:53	10
Ethylbenzene	190		10	4.4	ug/L			01/24/14 14:53	10
Xylenes, Total	340		30	5.0	ug/L			01/24/14 14:53	10
Methyl tert-butyl ether	4.4	U	10	4.4	ug/L			01/24/14 14:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		70 - 130		01/24/14 14:53	10
Dibromofluoromethane	101		70 - 130		01/24/14 14:53	10
4-Bromofluorobenzene	101		70 - 130		01/24/14 14:53	10

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## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-4IR**

**Lab Sample ID: 640-46532-7**

**Date Collected: 01/21/14 11:01**

**Matrix: Water**

**Date Received: 01/22/14 17:58**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.50	U	1.0	0.50	ug/L			01/24/14 16:42	1
Toluene	0.51	U	1.0	0.51	ug/L			01/24/14 16:42	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/24/14 16:42	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/24/14 16:42	1
Methyl tert-butyl ether	3.4		1.0	0.44	ug/L			01/24/14 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		70 - 130		01/24/14 16:42	1
Dibromofluoromethane	103		70 - 130		01/24/14 16:42	1
4-Bromofluorobenzene	101		70 - 130		01/24/14 16:42	1

6

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-4SR**

**Lab Sample ID: 640-46532-8**

**Date Collected: 01/21/14 11:12**

**Matrix: Water**

**Date Received: 01/22/14 17:58**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.1		1.0	0.50	ug/L			01/24/14 17:01	1
Toluene	0.51	U	1.0	0.51	ug/L			01/24/14 17:01	1
Ethylbenzene	1.2		1.0	0.44	ug/L			01/24/14 17:01	1
Xylenes, Total	0.92	I	3.0	0.50	ug/L			01/24/14 17:01	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/24/14 17:01	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	92		70 - 130					01/24/14 17:01	1
Dibromofluoromethane	102		70 - 130					01/24/14 17:01	1
4-Bromofluorobenzene	98		70 - 130					01/24/14 17:01	1

6

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-5SR**

**Lab Sample ID: 640-46532-9**

**Date Collected: 01/21/14 11:51**

**Matrix: Water**

**Date Received: 01/22/14 17:58**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.6		2.0	1.0	ug/L			01/24/14 18:55	2
Toluene	36		2.0	1.0	ug/L			01/24/14 18:55	2
Methyl tert-butyl ether	0.88	U	2.0	0.88	ug/L			01/24/14 18:55	2
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	98		70 - 130					01/24/14 18:55	2
Dibromofluoromethane	97		70 - 130					01/24/14 18:55	2
4-Bromofluorobenzene	104		70 - 130					01/24/14 18:55	2

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**Method: 8260B - Volatile Organic Compounds (GC/MS) - DL**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	270		20	8.8	ug/L			01/24/14 17:20	20
Xylenes, Total	540		60	10	ug/L			01/24/14 17:20	20
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	94		70 - 130					01/24/14 17:20	20
Dibromofluoromethane	101		70 - 130					01/24/14 17:20	20
4-Bromofluorobenzene	101		70 - 130					01/24/14 17:20	20

**Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	64		0.40	0.080	ug/L		01/23/14 15:00	01/27/14 17:13	2
1-Methylnaphthalene	15		0.40	0.080	ug/L		01/23/14 15:00	01/27/14 17:13	2
2-Methylnaphthalene	28		0.40	0.082	ug/L		01/23/14 15:00	01/27/14 17:13	2
Acenaphthene	0.16	I	0.40	0.080	ug/L		01/23/14 15:00	01/27/14 17:13	2
Acenaphthylene	0.050	U	0.40	0.050	ug/L		01/23/14 15:00	01/27/14 17:13	2
Anthracene	0.080	U	0.40	0.080	ug/L		01/23/14 15:00	01/27/14 17:13	2
Benzo[a]anthracene	0.050	U	0.40	0.050	ug/L		01/23/14 15:00	01/27/14 17:13	2
Benzo[a]pyrene	0.050	U	0.40	0.050	ug/L		01/23/14 15:00	01/27/14 17:13	2
Benzo[b]fluoranthene	0.050	U	0.20	0.050	ug/L		01/23/14 15:00	01/27/14 17:13	2
Benzo[g,h,i]perylene	0.080	U	0.40	0.080	ug/L		01/23/14 15:00	01/27/14 17:13	2
Benzo[k]fluoranthene	0.050	U	0.40	0.050	ug/L		01/23/14 15:00	01/27/14 17:13	2
Chrysene	0.050	U	0.40	0.050	ug/L		01/23/14 15:00	01/27/14 17:13	2
Dibenz(a,h)anthracene	0.080	U	0.40	0.080	ug/L		01/23/14 15:00	01/27/14 17:13	2
Fluoranthene	0.050	U	0.40	0.050	ug/L		01/23/14 15:00	01/27/14 17:13	2
Fluorene	0.10	I	0.40	0.080	ug/L		01/23/14 15:00	01/27/14 17:13	2
Indeno[1,2,3-cd]pyrene	0.088	U	0.40	0.088	ug/L		01/23/14 15:00	01/27/14 17:13	2
Phenanthrene	0.14	I	0.40	0.080	ug/L		01/23/14 15:00	01/27/14 17:13	2
Pyrene	0.050	U	0.40	0.050	ug/L		01/23/14 15:00	01/27/14 17:13	2
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
o-Terphenyl (Surr)	72		40 - 114				01/23/14 15:00	01/27/14 17:13	2

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-6SR**

**Lab Sample ID: 640-46532-10**

Date Collected: 01/21/14 11:59

Matrix: Water

Date Received: 01/22/14 17:58

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	210		10	5.0	ug/L			01/24/14 19:14	10
Methyl tert-butyl ether	4.4	U	10	4.4	ug/L			01/24/14 19:14	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		70 - 130		01/24/14 19:14	10
Dibromofluoromethane	98		70 - 130		01/24/14 19:14	10
4-Bromofluorobenzene	109		70 - 130		01/24/14 19:14	10

**Method: 8260B - Volatile Organic Compounds (GC/MS) - DL**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	3600		100	51	ug/L			01/24/14 17:39	100
Ethylbenzene	1000		100	44	ug/L			01/24/14 17:39	100
Xylenes, Total	3400		300	50	ug/L			01/24/14 17:39	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		70 - 130		01/24/14 17:39	100
Dibromofluoromethane	103		70 - 130		01/24/14 17:39	100
4-Bromofluorobenzene	101		70 - 130		01/24/14 17:39	100

6

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-8SR**

**Lab Sample ID: 640-46532-11**

Date Collected: 01/21/14 12:46

Matrix: Water

Date Received: 01/22/14 17:58

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	36		2.0	1.0	ug/L			01/24/14 19:52	2
Toluene	150		2.0	1.0	ug/L			01/24/14 19:52	2
Ethylbenzene	130		2.0	0.88	ug/L			01/24/14 19:52	2
Methyl tert-butyl ether	0.88	U	2.0	0.88	ug/L			01/24/14 19:52	2
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	98		70 - 130					01/24/14 19:52	2
Dibromofluoromethane	98		70 - 130					01/24/14 19:52	2
4-Bromofluorobenzene	104		70 - 130					01/24/14 19:52	2

**Method: 8260B - Volatile Organic Compounds (GC/MS) - DL**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	680		60	10	ug/L			01/24/14 17:58	20
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	93		70 - 130					01/24/14 17:58	20
Dibromofluoromethane	99		70 - 130					01/24/14 17:58	20
4-Bromofluorobenzene	96		70 - 130					01/24/14 17:58	20

**Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	29		0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:20	1
1-Methylnaphthalene	19		0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:20	1
2-Methylnaphthalene	35		0.20	0.031	ug/L		01/23/14 15:00	01/27/14 15:20	1
Acenaphthene	0.23		0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:20	1
Acenaphthylene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:20	1
Anthracene	0.044	I	0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:20	1
Benzo[a]anthracene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:20	1
Benzo[a]pyrene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:20	1
Benzo[b]fluoranthene	0.025	U	0.10	0.025	ug/L		01/23/14 15:00	01/27/14 15:20	1
Benzo[g,h,i]perylene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:20	1
Benzo[k]fluoranthene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:20	1
Chrysene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:20	1
Dibenz(a,h)anthracene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:20	1
Fluoranthene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:20	1
Fluorene	0.17	I	0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:20	1
Indeno[1,2,3-cd]pyrene	0.044	U	0.20	0.044	ug/L		01/23/14 15:00	01/27/14 15:20	1
Phenanthrene	0.26		0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:20	1
Pyrene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
o-Terphenyl (Surr)	69		40 - 114				01/23/14 15:00	01/27/14 15:20	1

6

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-2S**

**Lab Sample ID: 640-46532-12**

**Date Collected: 01/21/14 14:01**

**Matrix: Water**

**Date Received: 01/22/14 17:58**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	31		10	5.0	ug/L			01/24/14 20:11	10
Toluene	48		10	5.1	ug/L			01/24/14 20:11	10
Ethylbenzene	310		10	4.4	ug/L			01/24/14 20:11	10
Methyl tert-butyl ether	4.4	U	10	4.4	ug/L			01/24/14 20:11	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		70 - 130		01/24/14 20:11	10
Dibromofluoromethane	102		70 - 130		01/24/14 20:11	10
4-Bromofluorobenzene	110		70 - 130		01/24/14 20:11	10

**Method: 8260B - Volatile Organic Compounds (GC/MS) - DL**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1800		300	50	ug/L			01/24/14 18:17	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		70 - 130		01/24/14 18:17	100
Dibromofluoromethane	101		70 - 130		01/24/14 18:17	100
4-Bromofluorobenzene	102		70 - 130		01/24/14 18:17	100

**Method: FL-PRO - Florida - Petroleum Range Organics (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (C8-C40)	4.6		0.30	0.094	mg/L		01/23/14 13:30	01/24/14 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		82 - 142	01/23/14 13:30	01/24/14 19:39	1
n-C39	76		42 - 193	01/23/14 13:30	01/24/14 19:39	1

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## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-61SR**

**Lab Sample ID: 640-46532-13**

Date Collected: 01/21/14 14:13

Matrix: Water

Date Received: 01/22/14 17:58

**Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
EDB	0.65		0.019	0.0061	ug/L		01/23/14 12:15	01/24/14 01:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,1,1,2-Tetrachloroethane	105		64 - 149				01/23/14 12:15	01/24/14 01:27	1

6

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-62SR**

**Lab Sample ID: 640-46532-14**

Date Collected: 01/21/14 14:33

Matrix: Water

Date Received: 01/22/14 17:58

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	350		10	5.0	ug/L			01/24/14 21:54	10
Toluene	61		10	5.1	ug/L			01/24/14 21:54	10
Ethylbenzene	260		10	4.4	ug/L			01/24/14 21:54	10
Xylenes, Total	160		30	5.0	ug/L			01/24/14 21:54	10
Methyl tert-butyl ether	290		10	4.4	ug/L			01/24/14 21:54	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		01/24/14 21:54	10
Dibromofluoromethane	101		70 - 130		01/24/14 21:54	10
4-Bromofluorobenzene	98		70 - 130		01/24/14 21:54	10

6

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-23CR**

**Lab Sample ID: 640-46532-15**

Date Collected: 01/21/14 14:48

Matrix: Water

Date Received: 01/22/14 17:58

### Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	390		20	10	ug/L			01/24/14 22:12	20
Toluene	850		20	10	ug/L			01/24/14 22:12	20
Ethylbenzene	260		20	8.8	ug/L			01/24/14 22:12	20
Xylenes, Total	1100		60	10	ug/L			01/24/14 22:12	20
Methyl tert-butyl ether	240		20	8.8	ug/L			01/24/14 22:12	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		01/24/14 22:12	20
Dibromofluoromethane	100		70 - 130		01/24/14 22:12	20
4-Bromofluorobenzene	97		70 - 130		01/24/14 22:12	20

### Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	27		0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:39	1
1-Methylnaphthalene	5.5		0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:39	1
2-Methylnaphthalene	8.6		0.20	0.031	ug/L		01/23/14 15:00	01/27/14 15:39	1
Acenaphthene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:39	1
Acenaphthylene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:39	1
Anthracene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:39	1
Benzo[a]anthracene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:39	1
Benzo[a]pyrene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:39	1
Benzo[b]fluoranthene	0.025	U	0.10	0.025	ug/L		01/23/14 15:00	01/27/14 15:39	1
Benzo[g,h,i]perylene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:39	1
Benzo[k]fluoranthene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:39	1
Chrysene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:39	1
Dibenz(a,h)anthracene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:39	1
Fluoranthene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:39	1
Fluorene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:39	1
Indeno[1,2,3-cd]pyrene	0.044	U	0.20	0.044	ug/L		01/23/14 15:00	01/27/14 15:39	1
Phenanthrene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/27/14 15:39	1
Pyrene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/27/14 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	75		40 - 114	01/23/14 15:00	01/27/14 15:39	1

6

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-26CR**

**Lab Sample ID: 640-46532-16**

**Date Collected: 01/21/14 15:04**

**Matrix: Water**

**Date Received: 01/22/14 17:58**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.5		1.0	0.50	ug/L			01/25/14 01:35	1
Toluene	9.6		1.0	0.51	ug/L			01/25/14 01:35	1
Ethylbenzene	10		1.0	0.44	ug/L			01/25/14 01:35	1
Xylenes, Total	150		3.0	0.50	ug/L			01/25/14 01:35	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/25/14 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130		01/25/14 01:35	1
Dibromofluoromethane	99		70 - 130		01/25/14 01:35	1
4-Bromofluorobenzene	100		70 - 130		01/25/14 01:35	1

6

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-27CR**

**Lab Sample ID: 640-46532-17**

Date Collected: 01/21/14 15:19

Matrix: Water

Date Received: 01/22/14 17:58

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	16		2.0	1.0	ug/L			01/25/14 01:54	2
Toluene	46		2.0	1.0	ug/L			01/25/14 01:54	2
Ethylbenzene	97		2.0	0.88	ug/L			01/25/14 01:54	2
Methyl tert-butyl ether	8.3		2.0	0.88	ug/L			01/25/14 01:54	2
<b>Surrogate</b>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130					01/25/14 01:54	2
Dibromofluoromethane	103		70 - 130					01/25/14 01:54	2
4-Bromofluorobenzene	100		70 - 130					01/25/14 01:54	2

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**Method: 8260B - Volatile Organic Compounds (GC/MS) - DL**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	710		60	10	ug/L			01/24/14 22:50	20
<b>Surrogate</b>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		70 - 130					01/24/14 22:50	20
Dibromofluoromethane	100		70 - 130					01/24/14 22:50	20
4-Bromofluorobenzene	97		70 - 130					01/24/14 22:50	20

**Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
EDB	1.3		0.019	0.0061	ug/L		01/23/14 12:15	01/24/14 01:41	1
<b>Surrogate</b>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	96		64 - 149				01/23/14 12:15	01/24/14 01:41	1

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-60S**

**Lab Sample ID: 640-46532-18**

**Date Collected: 01/21/14 15:29**

**Matrix: Water**

**Date Received: 01/22/14 17:58**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.50	U	1.0	0.50	ug/L			01/24/14 19:14	1
Toluene	15		1.0	0.51	ug/L			01/24/14 19:14	1
Ethylbenzene	8.3		1.0	0.44	ug/L			01/24/14 19:14	1
Xylenes, Total	62		3.0	0.50	ug/L			01/24/14 19:14	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/24/14 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		01/24/14 19:14	1
Dibromofluoromethane	101		70 - 130		01/24/14 19:14	1
4-Bromofluorobenzene	96		70 - 130		01/24/14 19:14	1

**Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
EDB	0.23		0.019	0.0061	ug/L		01/23/14 12:15	01/24/14 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	94		64 - 149	01/23/14 12:15	01/24/14 01:55	1

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## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-30C**

**Lab Sample ID: 640-46532-19**

Date Collected: 01/21/14 15:48

Matrix: Water

Date Received: 01/22/14 17:58

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	170		10	5.0	ug/L			01/24/14 21:35	10
Toluene	530		10	5.1	ug/L			01/24/14 21:35	10
Ethylbenzene	200		10	4.4	ug/L			01/24/14 21:35	10
Xylenes, Total	1300		30	5.0	ug/L			01/24/14 21:35	10
Methyl tert-butyl ether	4.4	U	10	4.4	ug/L			01/24/14 21:35	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		01/24/14 21:35	10
Dibromofluoromethane	100		70 - 130		01/24/14 21:35	10
4-Bromofluorobenzene	97		70 - 130		01/24/14 21:35	10

**Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
EDB	3.7		0.093	0.030	ug/L		01/23/14 12:15	01/24/14 19:51	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	130		64 - 149	01/23/14 12:15	01/24/14 19:51	5

6

## Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-63S**

**Lab Sample ID: 640-46532-20**

Date Collected: 01/21/14 16:01

Matrix: Water

Date Received: 01/22/14 17:58

Method: 8260B - Volatile Organic Compounds (GC/MS)										
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	18		1.0	0.50	ug/L			01/24/14 18:55	1	
Toluene	0.51	U	1.0	0.51	ug/L			01/24/14 18:55	1	
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/24/14 18:55	1	
Xylenes, Total	3.1		3.0	0.50	ug/L			01/24/14 18:55	1	
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/24/14 18:55	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
Toluene-d8 (Surr)	101		70 - 130					01/24/14 18:55	1	
Dibromofluoromethane	102		70 - 130					01/24/14 18:55	1	
4-Bromofluorobenzene	94		70 - 130					01/24/14 18:55	1	

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## Surrogate Summary

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		TOL (70-130)	DBFM (70-130)	BFB (70-130)
640-46532-1	MW-55I	91	104	91
640-46532-2	MW-40IR	86	102	92
640-46532-3	MW-69S	89	101	89
640-46532-4 - DL	MW-22IR	93	102	101
640-46532-4	MW-22IR	101	97	117
640-46532-5	MW-38SR	94	99	108
640-46532-6	MW-67S	92	101	101
640-46532-7	MW-4IR	94	103	101
640-46532-8	MW-4SR	92	102	98
640-46532-9 - DL	MW-5SR	94	101	101
640-46532-9	MW-5SR	98	97	104
640-46532-10 - DL	MW-6SR	93	103	101
640-46532-10	MW-6SR	94	98	109
640-46532-11 - DL	MW-8SR	93	99	96
640-46532-11	MW-8SR	98	98	104
640-46532-12 - DL	MW-2S	94	101	102
640-46532-12	MW-2S	97	102	110
640-46532-14	MW-62SR	100	101	98
640-46532-15	MW-23CR	100	100	97
640-46532-16	MW-26CR	101	99	100
640-46532-17 - DL	MW-27CR	99	100	97
640-46532-17	MW-27CR	100	103	100
640-46532-18	MW-60S	100	101	96
640-46532-19	MW-30C	100	100	97
640-46532-20	MW-63S	101	102	94
LCS 660-145550/4	Lab Control Sample	98	104	93
LCS 660-145584/4	Lab Control Sample	102	100	97
MB 660-145550/6	Method Blank	88	100	94
MB 660-145584/6	Method Blank	100	99	96

**Surrogate Legend**  
 TOL = Toluene-d8 (Surr)  
 DBFM = Dibromofluoromethane  
 BFB = 4-Bromofluorobenzene

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### Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTPH (40-114)
640-46532-9	MW-5SR	72
640-46532-11	MW-8SR	69
640-46532-15	MW-23CR	75
LCS 640-107202/2-A	Lab Control Sample	79
LCSD 640-107202/3-A	Lab Control Sample Dup	83
MB 640-107202/1-A	Method Blank	85

**Surrogate Legend**  
 OTPH = o-Terphenyl (Surr)

TestAmerica Tallahassee

## Surrogate Summary

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCEA2 (64-149)	
640-46532-13	MW-61SR	105	
640-46532-17	MW-27CR	96	
640-46532-18	MW-60S	94	
640-46532-19	MW-30C	130	
MB 640-107169/10-A	Method Blank	91	

**Surrogate Legend**  
 TCEA = 1,1,1,2-Tetrachloroethane

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### Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCEA1 (64-149)	
LCS 640-107169/11-A	Lab Control Sample	86	
LCSD 640-107169/12-A	Lab Control Sample Dup	100	

**Surrogate Legend**  
 TCEA = 1,1,1,2-Tetrachloroethane

### Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	OTPH (82-142)	C39 (42-193)
640-46532-12	MW-2S	85	76
LCS 640-107197/2-A	Lab Control Sample	89	98
LCSD 640-107197/3-A	Lab Control Sample Dup	93	104
MB 640-107197/1-A	Method Blank	91	84

**Surrogate Legend**  
 OTPH = o-Terphenyl  
 C39 = n-C39

## QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 660-145550/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 145550

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	0.50	U	1.0	0.50	ug/L			01/24/14 10:48	1
Toluene	0.51	U	1.0	0.51	ug/L			01/24/14 10:48	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/24/14 10:48	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/24/14 10:48	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/24/14 10:48	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	88		70 - 130		01/24/14 10:48	1
Dibromofluoromethane	100		70 - 130		01/24/14 10:48	1
4-Bromofluorobenzene	94		70 - 130		01/24/14 10:48	1

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Lab Sample ID: LCS 660-145550/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 145550

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	10.0	11.3		ug/L		113	68 - 134
Toluene	10.0	9.85		ug/L		98	70 - 131
Ethylbenzene	10.0	9.59		ug/L		96	70 - 130
Methyl tert-butyl ether	10.0	9.32		ug/L		93	67 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	98		70 - 130
Dibromofluoromethane	104		70 - 130
4-Bromofluorobenzene	93		70 - 130

Lab Sample ID: MB 660-145584/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 145584

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	0.50	U	1.0	0.50	ug/L			01/24/14 16:28	1
Toluene	0.51	U	1.0	0.51	ug/L			01/24/14 16:28	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/24/14 16:28	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/24/14 16:28	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/24/14 16:28	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	100		70 - 130		01/24/14 16:28	1
Dibromofluoromethane	99		70 - 130		01/24/14 16:28	1
4-Bromofluorobenzene	96		70 - 130		01/24/14 16:28	1

TestAmerica Tallahassee

## QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-145584/4  
 Matrix: Water  
 Analysis Batch: 145584

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	10.0	10.7		ug/L		107	68 - 134
Toluene	10.0	11.1		ug/L		111	70 - 131
Ethylbenzene	10.0	10.4		ug/L		104	70 - 130
Methyl tert-butyl ether	10.0	8.99		ug/L		90	67 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	102		70 - 130
Dibromofluoromethane	100		70 - 130
4-Bromofluorobenzene	97		70 - 130

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### Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 640-107202/1-A  
 Matrix: Water  
 Analysis Batch: 107234

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 107202

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Naphthalene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/24/14 19:05	1
1-Methylnaphthalene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/24/14 19:05	1
2-Methylnaphthalene	0.031	U	0.20	0.031	ug/L		01/23/14 15:00	01/24/14 19:05	1
Acenaphthene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/24/14 19:05	1
Acenaphthylene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/24/14 19:05	1
Anthracene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/24/14 19:05	1
Benzo[a]anthracene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/24/14 19:05	1
Benzo[a]pyrene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/24/14 19:05	1
Benzo[b]fluoranthene	0.025	U	0.10	0.025	ug/L		01/23/14 15:00	01/24/14 19:05	1
Benzo[g,h,i]perylene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/24/14 19:05	1
Benzo[k]fluoranthene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/24/14 19:05	1
Chrysene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/24/14 19:05	1
Dibenz(a,h)anthracene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/24/14 19:05	1
Fluoranthene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/24/14 19:05	1
Fluorene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/24/14 19:05	1
Indeno[1,2,3-cd]pyrene	0.044	U	0.20	0.044	ug/L		01/23/14 15:00	01/24/14 19:05	1
Phenanthrene	0.040	U	0.20	0.040	ug/L		01/23/14 15:00	01/24/14 19:05	1
Pyrene	0.025	U	0.20	0.025	ug/L		01/23/14 15:00	01/24/14 19:05	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
o-Terphenyl (Surr)	85		40 - 114	01/23/14 15:00	01/24/14 19:05	1

Lab Sample ID: LCS 640-107202/2-A  
 Matrix: Water  
 Analysis Batch: 107234

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 107202

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Naphthalene	8.00	4.75		ug/L		59	49 - 100
1-Methylnaphthalene	8.00	5.02		ug/L		63	48 - 100
2-Methylnaphthalene	8.00	5.18		ug/L		65	52 - 100

TestAmerica Tallahassee

## QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 640-107202/2-A  
 Matrix: Water  
 Analysis Batch: 107234

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 107202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthene	8.00	5.38		ug/L		67	59 - 100		
Acenaphthylene	8.00	5.11		ug/L		64	30 - 100		
Anthracene	8.00	5.70		ug/L		71	30 - 105		
Benzo[a]anthracene	8.00	6.80		ug/L		85	61 - 103		
Benzo[a]pyrene	8.00	6.71		ug/L		84	36 - 119		
Benzo[b]fluoranthene	8.00	7.20		ug/L		90	64 - 113		
Benzo[g,h,i]perylene	8.00	7.03		ug/L		88	51 - 117		
Benzo[k]fluoranthene	8.00	7.13		ug/L		89	72 - 107		
Chrysene	8.00	6.77		ug/L		85	67 - 100		
Dibenz(a,h)anthracene	8.00	6.39		ug/L		80	44 - 119		
Fluoranthene	8.00	6.90		ug/L		86	66 - 107		
Fluorene	8.00	6.13		ug/L		77	62 - 102		
Indeno[1,2,3-cd]pyrene	8.00	6.84		ug/L		85	59 - 113		
Phenanthrene	8.00	6.04		ug/L		75	64 - 100		
Pyrene	8.00	6.78		ug/L		85	63 - 103		
		LCS LCS							
Surrogate		%Recovery	Qualifier	Limits					
<i>o</i> -Terphenyl (Surr)		79		40 - 114					

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Lab Sample ID: LCSD 640-107202/3-A  
 Matrix: Water  
 Analysis Batch: 107234

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 107202

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD		
									RPD	Limit	
Naphthalene	8.00	6.10		ug/L		76	49 - 100	25	32		
1-Methylnaphthalene	8.00	6.45		ug/L		81	48 - 100	25	28		
2-Methylnaphthalene	8.00	6.49		ug/L		81	52 - 100	22	29		
Acenaphthene	8.00	6.77		ug/L		85	59 - 100	23	24		
Acenaphthylene	8.00	6.39		ug/L		80	30 - 100	22	33		
Anthracene	8.00	6.28		ug/L		78	30 - 105	10	30		
Benzo[a]anthracene	8.00	7.02		ug/L		88	61 - 103	3	20		
Benzo[a]pyrene	8.00	6.92		ug/L		86	36 - 119	3	27		
Benzo[b]fluoranthene	8.00	7.62		ug/L		95	64 - 113	6	20		
Benzo[g,h,i]perylene	8.00	6.92		ug/L		86	51 - 117	2	20		
Benzo[k]fluoranthene	8.00	7.47		ug/L		93	72 - 107	5	20		
Chrysene	8.00	7.08		ug/L		88	67 - 100	4	20		
Dibenz(a,h)anthracene	8.00	6.40		ug/L		80	44 - 119	0	20		
Fluoranthene	8.00	7.69		ug/L		96	66 - 107	11	20		
Fluorene	8.00	7.37		ug/L		92	62 - 102	18	22		
Indeno[1,2,3-cd]pyrene	8.00	7.10		ug/L		89	59 - 113	4	20		
Phenanthrene	8.00	7.07		ug/L		88	64 - 100	16	20		
Pyrene	8.00	7.32		ug/L		91	63 - 103	7	20		
		LCSD LCSD									
Surrogate		%Recovery	Qualifier	Limits							
<i>o</i> -Terphenyl (Surr)		83		40 - 114							

## QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 640-107169/10-A  
 Matrix: Water  
 Analysis Batch: 107263

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 107169

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
EDB	0.0061	U	0.019	0.0061	ug/L		01/23/14 12:15	01/23/14 20:26	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,1,1,2-Tetrachloroethane	91		64 - 149	01/23/14 12:15	01/23/14 20:26	1

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Lab Sample ID: LCS 640-107169/11-A  
 Matrix: Water  
 Analysis Batch: 107263

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 107169

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
EDB	0.236	0.211		ug/L		89	74 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,1,1,2-Tetrachloroethane	86		64 - 149

Lab Sample ID: LCSD 640-107169/12-A  
 Matrix: Water  
 Analysis Batch: 107263

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 107169

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
EDB	0.236	0.231		ug/L		98	74 - 120	9	18

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1,1,1,2-Tetrachloroethane	100		64 - 149

### Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Lab Sample ID: MB 640-107197/1-A  
 Matrix: Water  
 Analysis Batch: 107260

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 107197

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Petroleum Hydrocarbons (C8-C40)	0.094	U	0.30	0.094	mg/L		01/23/14 13:30	01/27/14 10:39	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
o-Terphenyl	91		82 - 142	01/23/14 13:30	01/27/14 10:39	1
n-C39	84		42 - 193	01/23/14 13:30	01/27/14 10:39	1

Lab Sample ID: LCS 640-107197/2-A  
 Matrix: Water  
 Analysis Batch: 107229

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 107197

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Total Petroleum Hydrocarbons (C8-C40)	2.72	2.32		mg/L		85	55 - 118

TestAmerica Tallahassee

## QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Method: FL-PRO - Florida - Petroleum Range Organics (GC) (Continued)

Lab Sample ID: LCS 640-107197/2-A  
 Matrix: Water  
 Analysis Batch: 107229

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 107197

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	89		82 - 142
<i>n</i> -C39	98		42 - 193

Lab Sample ID: LCSD 640-107197/3-A  
 Matrix: Water  
 Analysis Batch: 107229

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 107197

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Total Petroleum Hydrocarbons (C8-C40)	2.72	2.37		mg/L		87	55 - 118	2	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	93		82 - 142
<i>n</i> -C39	104		42 - 193

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## QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### GC/MS VOA

#### Analysis Batch: 145550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-46532-1	MW-55I	Total/NA	Water	8260B	
640-46532-2	MW-40IR	Total/NA	Water	8260B	
640-46532-3	MW-69S	Total/NA	Water	8260B	
640-46532-4 - DL	MW-22IR	Total/NA	Water	8260B	
640-46532-4	MW-22IR	Total/NA	Water	8260B	
640-46532-5	MW-38SR	Total/NA	Water	8260B	
640-46532-6	MW-67S	Total/NA	Water	8260B	
640-46532-7	MW-41R	Total/NA	Water	8260B	
640-46532-8	MW-4SR	Total/NA	Water	8260B	
640-46532-9 - DL	MW-5SR	Total/NA	Water	8260B	
640-46532-9	MW-5SR	Total/NA	Water	8260B	
640-46532-10 - DL	MW-6SR	Total/NA	Water	8260B	
640-46532-10	MW-6SR	Total/NA	Water	8260B	
640-46532-11 - DL	MW-8SR	Total/NA	Water	8260B	
640-46532-11	MW-8SR	Total/NA	Water	8260B	
640-46532-12 - DL	MW-2S	Total/NA	Water	8260B	
640-46532-12	MW-2S	Total/NA	Water	8260B	
LCS 660-145550/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-145550/6	Method Blank	Total/NA	Water	8260B	

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#### Analysis Batch: 145584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-46532-14	MW-62SR	Total/NA	Water	8260B	
640-46532-15	MW-23CR	Total/NA	Water	8260B	
640-46532-16	MW-26CR	Total/NA	Water	8260B	
640-46532-17 - DL	MW-27CR	Total/NA	Water	8260B	
640-46532-18	MW-60S	Total/NA	Water	8260B	
640-46532-19	MW-30C	Total/NA	Water	8260B	
640-46532-20	MW-63S	Total/NA	Water	8260B	
LCS 660-145584/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-145584/6	Method Blank	Total/NA	Water	8260B	

#### Analysis Batch: 145589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-46532-17	MW-27CR	Total/NA	Water	8260B	

### GC/MS Semi VOA

#### Prep Batch: 107202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-46532-9	MW-5SR	Total/NA	Water	3520C	
640-46532-11	MW-8SR	Total/NA	Water	3520C	
640-46532-15	MW-23CR	Total/NA	Water	3520C	
LCS 640-107202/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 640-107202/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 640-107202/1-A	Method Blank	Total/NA	Water	3520C	

#### Analysis Batch: 107234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 640-107202/2-A	Lab Control Sample	Total/NA	Water	8270D LL	107202

TestAmerica Tallahassee

## QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### GC/MS Semi VOA (Continued)

#### Analysis Batch: 107234 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 640-107202/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	107202
MB 640-107202/1-A	Method Blank	Total/NA	Water	8270D LL	107202

#### Analysis Batch: 107264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-46532-9	MW-5SR	Total/NA	Water	8270D LL	107202
640-46532-11	MW-8SR	Total/NA	Water	8270D LL	107202
640-46532-15	MW-23CR	Total/NA	Water	8270D LL	107202

### GC Semi VOA

#### Prep Batch: 107169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-46532-13	MW-61SR	Total/NA	Water	8011	
640-46532-17	MW-27CR	Total/NA	Water	8011	
640-46532-18	MW-60S	Total/NA	Water	8011	
640-46532-19	MW-30C	Total/NA	Water	8011	
LCS 640-107169/11-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 640-107169/12-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 640-107169/10-A	Method Blank	Total/NA	Water	8011	

#### Prep Batch: 107197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-46532-12	MW-2S	Total/NA	Water	3520C	
LCS 640-107197/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 640-107197/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 640-107197/1-A	Method Blank	Total/NA	Water	3520C	

#### Analysis Batch: 107229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-46532-12	MW-2S	Total/NA	Water	FL-PRO	107197
LCS 640-107197/2-A	Lab Control Sample	Total/NA	Water	FL-PRO	107197
LCSD 640-107197/3-A	Lab Control Sample Dup	Total/NA	Water	FL-PRO	107197

#### Analysis Batch: 107260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 640-107197/1-A	Method Blank	Total/NA	Water	FL-PRO	107197

#### Analysis Batch: 107263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-46532-13	MW-61SR	Total/NA	Water	8011	107169
640-46532-17	MW-27CR	Total/NA	Water	8011	107189
640-46532-18	MW-60S	Total/NA	Water	8011	107189
LCS 640-107169/11-A	Lab Control Sample	Total/NA	Water	8011	107189
LCSD 640-107169/12-A	Lab Control Sample Dup	Total/NA	Water	8011	107189
MB 640-107169/10-A	Method Blank	Total/NA	Water	8011	107189

#### Analysis Batch: 107265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-46532-19	MW-30C	Total/NA	Water	8011	107189

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## Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-55I**

**Lab Sample ID: 640-46532-1**

Date Collected: 01/21/14 07:54

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	145550	01/24/14 13:18	ECC	TAL TAM

**Client Sample ID: MW-40IR**

**Lab Sample ID: 640-46532-2**

Date Collected: 01/21/14 08:25

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	145550	01/24/14 13:37	ECC	TAL TAM



**Client Sample ID: MW-69S**

**Lab Sample ID: 640-46532-3**

Date Collected: 01/21/14 09:01

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	145550	01/24/14 13:56	ECC	TAL TAM

**Client Sample ID: MW-22IR**

**Lab Sample ID: 640-46532-4**

Date Collected: 01/21/14 09:30

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	145550	01/24/14 14:15	ECC	TAL TAM
Total/NA	Analysis	8260B		1	145550	01/24/14 15:31	ECC	TAL TAM

**Client Sample ID: MW-38SR**

**Lab Sample ID: 640-46532-5**

Date Collected: 01/21/14 09:57

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	145550	01/24/14 15:12	ECC	TAL TAM

**Client Sample ID: MW-67S**

**Lab Sample ID: 640-46532-6**

Date Collected: 01/21/14 10:12

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	145550	01/24/14 14:53	ECC	TAL TAM

TestAmerica Tallahassee

## Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-4IR**

**Lab Sample ID: 640-46532-7**

Date Collected: 01/21/14 11:01

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	145550	01/24/14 16:42	ECC	TAL TAM

**Client Sample ID: MW-4SR**

**Lab Sample ID: 640-46532-8**

Date Collected: 01/21/14 11:12

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	145550	01/24/14 17:01	ECC	TAL TAM



**Client Sample ID: MW-5SR**

**Lab Sample ID: 640-46532-9**

Date Collected: 01/21/14 11:51

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	20	145550	01/24/14 17:20	ECC	TAL TAM
Total/NA	Analysis	8260B		2	145550	01/24/14 18:55	ECC	TAL TAM
Total/NA	Prep	3520C			107202	01/23/14 15:00	JCS	TAL TAL
Total/NA	Analysis	8270D LL		2	107264	01/27/14 17:13	JMF	TAL TAL

**Client Sample ID: MW-6SR**

**Lab Sample ID: 640-46532-10**

Date Collected: 01/21/14 11:59

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	145550	01/24/14 17:39	ECC	TAL TAM
Total/NA	Analysis	8260B		10	145550	01/24/14 19:14	ECC	TAL TAM

**Client Sample ID: MW-8SR**

**Lab Sample ID: 640-46532-11**

Date Collected: 01/21/14 12:46

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	20	145550	01/24/14 17:58	ECC	TAL TAM
Total/NA	Analysis	8280B		2	145550	01/24/14 19:52	ECC	TAL TAM
Total/NA	Prep	3520C			107202	01/23/14 15:00	JCS	TAL TAL
Total/NA	Analysis	8270D LL		1	107264	01/27/14 15:20	JMF	TAL TAL

## Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-2S**

**Lab Sample ID: 640-46532-12**

Date Collected: 01/21/14 14:01

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	145550	01/24/14 18:17	ECC	TAL TAM
Total/NA	Analysis	8260B		10	145550	01/24/14 20:11	ECC	TAL TAM
Total/NA	Prep	3520C			107197	01/23/14 13:30	JCS	TAL TAL
Total/NA	Analysis	FL-PRO		1	107229	01/24/14 19:39	AMR	TAL TAL

**Client Sample ID: MW-61SR**

**Lab Sample ID: 640-46532-13**

Date Collected: 01/21/14 14:13

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8011		1	107263	01/24/14 01:27	AMR	TAL TAL
Total/NA	Prep	8011			107169	01/23/14 12:15	AMR	TAL TAL

**Client Sample ID: MW-62SR**

**Lab Sample ID: 640-46532-14**

Date Collected: 01/21/14 14:33

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	145584	01/24/14 21:54	ECC	TAL TAM

**Client Sample ID: MW-23CR**

**Lab Sample ID: 640-46532-15**

Date Collected: 01/21/14 14:48

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	145584	01/24/14 22:12	ECC	TAL TAM
Total/NA	Prep	3520C			107202	01/23/14 15:00	JCS	TAL TAL
Total/NA	Analysis	8270D LL		1	107264	01/27/14 15:39	JMF	TAL TAL

**Client Sample ID: MW-26CR**

**Lab Sample ID: 640-46532-16**

Date Collected: 01/21/14 15:04

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	145584	01/25/14 01:35	ECC	TAL TAM

**Client Sample ID: MW-27CR**

**Lab Sample ID: 640-46532-17**

Date Collected: 01/21/14 15:19

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	20	145584	01/24/14 22:50	ECC	TAL TAM

TestAmerica Tallahassee

## Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.  
 Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

**Client Sample ID: MW-27CR**

**Lab Sample ID: 640-46532-17**

Date Collected: 01/21/14 15:19

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	145589	01/25/14 01:54	TGP	TAL TAM
Total/NA	Prep	8011			107169	01/23/14 12:15	AMR	TAL TAL
Total/NA	Analysis	8011		1	107263	01/24/14 01:41	AMR	TAL TAL

**Client Sample ID: MW-60S**

**Lab Sample ID: 640-46532-18**

Date Collected: 01/21/14 15:29

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	145584	01/24/14 19:14	ECC	TAL TAM
Total/NA	Prep	8011			107169	01/23/14 12:15	AMR	TAL TAL
Total/NA	Analysis	8011		1	107263	01/24/14 01:55	AMR	TAL TAL



**Client Sample ID: MW-30C**

**Lab Sample ID: 640-46532-19**

Date Collected: 01/21/14 15:48

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	145584	01/24/14 21:35	ECC	TAL TAM
Total/NA	Prep	8011			107169	01/23/14 12:15	AMR	TAL TAL
Total/NA	Analysis	8011		5	107265	01/24/14 19:51	AMR	TAL TAL

**Client Sample ID: MW-63S**

**Lab Sample ID: 640-46532-20**

Date Collected: 01/21/14 16:01

Matrix: Water

Date Received: 01/22/14 17:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	145584	01/24/14 18:55	ECC	TAL TAM

**Laboratory References:**

TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

## Certification Summary

Client: AMEC Environment & Infrastructure, Inc.  
Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

### Laboratory: TestAmerica Tallahassee

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E81005	06-30-14
Georgia	State Program	4		06-30-14
Louisiana	NELAP	6	30663	06-30-14
New Jersey	NELAP	2	FLD12	06-30-14
Texas	NELAP	6	T104704459-11-2	03-31-14
USDA	Federal		P330-08-00158	08-05-14

### Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-14
Florida	NELAP	4	E84282	06-30-14
Georgia	State Program	4	905	06-30-14
USDA	Federal		P330-11-00177	04-20-14

## Method Summary

Client: AMEC Environment & Infrastructure, Inc.  
Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL TAL
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL TAL
FL-PRO	Florida - Petroleum Range Organics (GC)	FL-DEP	TAL TAL

### Protocol References:

FL-DEP = State Of Florida Department Of Environmental Protection, Florida Administrative Code.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

## Sample Summary

Client: AMEC Environment & Infrastructure, Inc.  
Project/Site: Sunrise Food Mart/FAC ID:63-8517149

TestAmerica Job ID: 640-46532-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
640-46532-1	MW-55I	Water	01/21/14 07:54	01/22/14 17:58
640-46532-2	MW-40IR	Water	01/21/14 08:25	01/22/14 17:58
640-46532-3	MW-69S	Water	01/21/14 09:01	01/22/14 17:58
640-46532-4	MW-22IR	Water	01/21/14 09:30	01/22/14 17:58
640-46532-5	MW-38SR	Water	01/21/14 09:57	01/22/14 17:58
640-46532-6	MW-67S	Water	01/21/14 10:12	01/22/14 17:58
640-46532-7	MW-4IR	Water	01/21/14 11:01	01/22/14 17:58
640-46532-8	MW-4SR	Water	01/21/14 11:12	01/22/14 17:58
640-46532-9	MW-5SR	Water	01/21/14 11:51	01/22/14 17:58
640-46532-10	MW-6SR	Water	01/21/14 11:59	01/22/14 17:58
640-46532-11	MW-8SR	Water	01/21/14 12:46	01/22/14 17:58
640-46532-12	MW-2S	Water	01/21/14 14:01	01/22/14 17:58
640-46532-13	MW-61SR	Water	01/21/14 14:13	01/22/14 17:58
640-46532-14	MW-62SR	Water	01/21/14 14:33	01/22/14 17:58
640-46532-15	MW-23CR	Water	01/21/14 14:48	01/22/14 17:58
640-46532-16	MW-26CR	Water	01/21/14 15:04	01/22/14 17:58
640-46532-17	MW-27CR	Water	01/21/14 15:19	01/22/14 17:58
640-46532-18	MW-60S	Water	01/21/14 15:29	01/22/14 17:58
640-46532-19	MW-30C	Water	01/21/14 15:48	01/22/14 17:58
640-46532-20	MW-63S	Water	01/21/14 16:01	01/22/14 17:58

13

**TestAmerica Tallahassee**  
 2846 Industrial Plaza Drive  
 Tallahassee, FL 32301  
 Phone (850) 878-3994 Fax (850) 878-9504

**Chain of Custody Record**

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING

**Client Information**  
 Client Contact: **Mr. Geoff Schaefer**  
 Company: **AMEC Environment & Infrastructure, Inc.**  
 Address: **2533 Greer Road Suite 6**  
 City: **Tallahassee**  
 State, Zip: **FL 32308**  
 Phone:   
 Email: **gdschaefer@maec.com**  
 Project Name: **Sunrise Food Man/FAC ID:63-9517149**  
 State:

**Supplier:** *Joe Burtwell Pot Lab*  
**Phone:**   
**PO #:**   
**Purchase Order Requested:**   
**W/O #:**   
**Project #:** **64004765**  
**SSOW#:**

**Due Date Requested:**   
**TAT Requested (days):**

**Lab PM:** **Bechtold, Chad**  
**E-Mail:** **chad.bechtold@testamericainc.com**  
**Carrier Tracking No(s):**

**COC No.:** **640-42879-11454.1**  
**Page:** **Page 1 of 2**  
**Job #:** **640-410538**

**Analysis Requested**

Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX/MTBE	FL_PRO - TRPH	8270D_LL - PAH	8011 - EDB

**Sample Identification**

Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wetlab, Swab, Other/Label)	Preservation Code	Total Number of Containers
MW-55I	1/21/14	0754	G	W		3
MW-40TR	1/21/14	0825	G	W		3
MW-69S	1/21/14	0901	G	W		3
MW-22TR	1/21/14	0930	G	W		3
MW-38SR	1/21/14	0957	G	W		3
MW-67S	1/21/14	1012	G	W		3
MW-41R	1/21/14	1101	G	W		3
MW-45R	1/21/14	1112	G	W		3
MW-55R	1/21/14	1151	G	W		3
MW-65R	1/21/14	1159	G	W		3
MW-85R	1/21/14	1246	G	W		3

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological

**Sample Disposal** (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For **Months**

**Special Instructions/OC Requirements:**

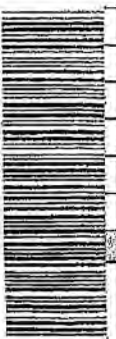
**Empty Kit Relinquished by:** *[Signature]* **Date:** **1/9/14** **Time:** **0919** **Method of Statement:**

**Relinquished by:** *[Signature]* **Date/Time:** **1/21/14 1757** **Company:**  **Relinquished by:** *[Signature]* **Date/Time:** **1/22-14 1758** **Company:**

**Relinquished by:**  **Date/Time:**  **Company:**  **Relinquished by:**  **Date/Time:**  **Company:**

**Custody Seals Intact:**  Yes  No **Custody Seal No.:**

**Cooler Temperature(s) °C and Other Remarks:** **24°C**

**Barcode:**  **640-46532 Chain of Custody**

**TestAmerica Tallahassee**  
 2846 Industrial Plaza Drive  
 Tallahassee, FL 32301  
 Phone (850) 878-3994 Fax (850) 878-9504

**Chain of Custody Record**

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING

**Client Information**  
 Client Contact: *Jan Ricketts*  
 Mr. Geoff Schaefer  
 Company: AMEC Environment & Infrastructure, Inc.  
 Address: 2533 Greer Road Suite 6  
 City: Tallahassee  
 State, Zip: FL, 32308  
 Phone: \_\_\_\_\_  
 Email: gdschaefer@nactec.com  
 Project Name: Sunrise Food Mart/FAC ID:83-8517149  
 Site: \_\_\_\_\_

**Analysis Requested**  
 Lab POC: Bechtold, Chad  
 Email: chad.bechtold@testamericainc.com  
 Center Tracking No(s): \_\_\_\_\_

**Job #:** 640-42879-11454.2  
 Page: Page 2 of 2  
 Date: 1/10/14

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (Water, Soil, Sediment, Air, etc.)	Field Filtered Sample (Yes/No)	Bottom MS/MSB (Yes/No)	Analysis Requested	Total Number of Containers	Special Instructions/Notes
MW-25	1/21/14	1401	G	W			8260C - BTEX/MTBE	3	
MW-61SR	1/21/14	1413	G	W			FL_PRO - TRPH	2	
MW-62SR	1/21/14	1433	G	W			8270D_LL - PAH	3	
MW-23SR	1/21/14	1448	G	W			8011 - EDB	2	
MW-26CR	1/21/14	1504	G	W					
MW-27CR	1/21/14	1519	G	W					
MW-60S	1/21/14	1529	G	W					
MW-30C	1/21/14	1548	G	W					
MW-63S	1/21/14	1601	G	W					

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological

**Deliverable Requested:** I, II, III, IV, Other (specify) \_\_\_\_\_

**Sample Disposal** (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

**Special Instructions/Notes:** \_\_\_\_\_

**Relinquished by:** *Jan Ricketts* Date: 1/9/14 Time: 0919  
 Received by: *Chad Bechtold* Date: 1/22-14 Time: 1758  
 Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

**Custody Seals Intact:**  Yes  No  
 Custody Seal No.: \_\_\_\_\_  
 Cooler Temperature(s) °C and Other Remarks: *21/0C*

# Union County Property Appraiser

Bruce D. Dukes

**2023 Preliminary Certified Values**

updated: 9/21/2023

Parcel: << 30-05-20-13-017-0440-0 (645) 03 >>

Aerial Viewer Google Maps

## Owner & Property Info

Result: 1 of 1

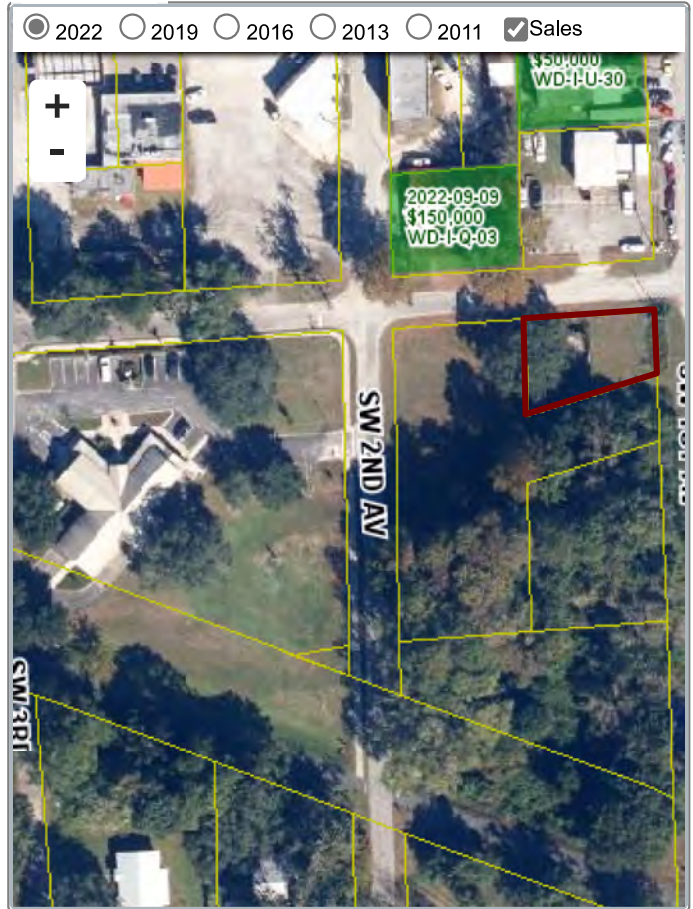
Owner	UNION COUNTY ROOM 103 COURTHOUSE LAKE BUTLER, FL 32054		
Site	SW 1ST STREET		
Description*	LOT 45 BLK 17 N OF RR, ORIG TOWN		
Land Area	0.172 AC <small>(Please see <a href="#">Acreage Note in the Land Breakdown section below</a>)</small>	S/T/R	30/05/20
Use Code**	COUNTY (8600)	Tax District	CITY OF LAKE BUTLER (2)

\*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.

\*\*The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

## Property & Assessment Values

Mkt Land	\$8,000	Total Appraised	\$8,000
Ag Land	\$0	SOH Cap [?]	\$0
Building	\$0	Assessed	\$8,000
XFOB	\$0	Exempt	03 \$8,000
Just	\$8,000	county:\$0	
Class	\$0	city:\$0	
		other:\$0	
		school:\$0	
		Total Taxable	



## Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Qualification (Codes)	RCode
NONE						

## Building Characteristics

Bldg Item	* Bldg Desc	Year Blt	Base SF	Actual SF	Bldg Value
NONE					

## Extra Features & Out Buildings (Codes)

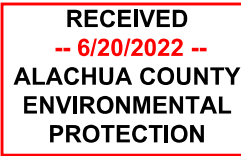
Code	Desc	Year Blt	Value	Units	Dims
NONE					

## Land Breakdown

Code	Desc	* Units	Adjustments	Eff Rate	Land Value
8600	COUNTY (MKT)	100.000 FF (0.172 AC)	1.0000/.8000 1.0000/ /	\$80 /FF	\$8,000

**Acreage Note:** When there is an 'FF' calculation in the \*Units column, the acreage in the [Land Area](#) field above may not reflect the total amount of acreage for the parcel. Please feel free to contact our office for more information.

Search Result: 1 of 1



June 20, 2022

Wood Environment & Infrastructure Solutions, Inc.  
1441 Maclay Commerce Drive, Suite 102  
Tallahassee, Florida 32312  
USA

Mr. Adam Kassees  
Alachua County Environmental Protection Division  
408 W. University Avenue, Suite 106  
Gainesville, Florida 32601

T: 850-656-1293

[www.woodplc.com](http://www.woodplc.com)

**RE: Remedial Action General Report  
Shadd Property  
220 West Main Street  
Lake Butler, Union County, Florida  
Facility ID No.: 63/9807182  
Purchase Order No.: BA1D82  
Wood Project No.: 6783217057**

Dear Mr. Kassees:

Wood Environment & Infrastructure Solutions, Inc., (Wood) is pleased to submit the Remedial Action General Report for the well installation and groundwater sampling at the Shadd Property site located in Lake Butler, Florida (Figure 1). This report summarizes site activities and completes Task 2 of Purchase Order BA1D82.

Included in the report are: Table 1 – Soil Screening Summary, Tables 2 – Soil Analytical Summary, Table 3 – Groundwater Elevation Summary, and Table 4 – Groundwater Analytical Summary. Figures included in this report are: Figure 1 - Site Vicinity Map, Figure 2 – Site Plan, Figure 3 – Groundwater Flow Map (March 29, 2022) and Figure 4 – Groundwater Analytical Data.

Change Order #1 was submitted and approved on January 14, 2022, for labor and materials to grout a void that was encountered during drilling activities and for a date extension. Change Order #2 was submitted and approved on February 18, 2022 for a date extension only.

Soil boring logs, well construction logs, groundwater sampling logs, and calibration logs are included as Attachment A, laboratory analytical data reports are included as Attachment B, photographic documentation is included in Attachment C, field notes are included as Attachment D, the well abandonment permit is included in Attachment E and Schedule of Pay Items (SPI) Invoice Rate Sheet is included in Attachment F.

## **SCOPE OF WORK**

### **Proposed Task 2**

The following tasks were proposed to be completed:

- Complete an onsite pre-drill meeting.
- Install one replacement monitoring well (MW-2SR) for MW-2S.



- Fill an onsite void at HSB-3 near MW-2S with grout.
- Collect one investigative derived waste (IDW) soil sample for drum disposal characterization for benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tert-butyl ether (MTBE) and RCRA 4 Metals.
- Collect groundwater samples from monitoring wells MW-2SR, MW-4SR, MW-5SR, MW-6R2, MW-8R2, MW-22IR, MW-23SR, MW-26CR, MW-27CR, MW-30C, MW-38SR, MW-40IR, MW-62SR, MW-63S, and MW-67S for BTEX and MTBE analysis. Collect groundwater samples from monitoring wells MW-5SR, MW-6R2, MW-8R2 and MW-62SR for polynuclear aromatic hydrocarbons (PAHs) analysis.

## **Completed Task 2**

The following tasks were completed:

- Completed an onsite pre-drill meeting.
- Installed one replacement monitoring well (MW-2SR) for MW-2S.
- Filled the onsite void at HSB-3 near MW-2S with approximately 25 gallons of grout.
- Collected one IDW soil sample for drum disposal characterization for BTEX, MTBE and RCRA 4 Metals.
- Collected groundwater samples from monitoring wells MW-2SR, MW-4SR, MW-5SR, MW-6R2, MW-8R2, MW-22IR, MW-23SR, MW-26CR, MW-27CR, MW-30C, MW-38SR, MW-40IR, MW-62SR, MW-63S, and MW-67S for BTEX and MTBE analysis. Collected groundwater samples from monitoring wells MW-5SR, MW-6R2, MW-8R2 and MW-62SR for PAH analysis.

## **SITE HISTORY AND BACKGROUND**

Sources of a documented petroleum contamination problem have been known to exist in the "downtown" Lake Butler area since late 1983. After notification of petroleum fumes emanating from the city sanitary sewer system, the Union County Fire Marshall identified a combustion hazard at the Lake Butler Elementary School. A source of significant petroleum contamination was identified at an abandoned Shell Oil Company service station site on property owned by Mr. Shadd. Free-phase petroleum product was discovered on site. Another alleged source of petroleum contamination existed on the adjacent property (the former Cargo convenience store [Coastal]). An assessment concluded in 1985 that both sites contained sources of petroleum contamination. Several years later, another source of contamination was identified at the Johns' Union 76 property which included free-phase product.

MACTEC (then E.C. Jordan Company, now Wood) was tasked by FDEP Petroleum Cleanup Section to conduct assessment activities in this area in 1990. As work progressed in the assessment, the contaminated areas were found to be larger, and also to be impacted by additional sources. Welch's and Biellings Tire were found to be contributing sources and a former underground storage tank (UST) on the A&M Beverage Store site was also suspected as a source.



MACTEC completed a remedial action plan for the sites referred to as the "Lake Butler Cluster sites" in 1993. A pump and treat system combined with vapor extraction was recommended. This system was installed and started up in January 1995. MACTEC operated the remediation system until 2005 at which time Fortis Environmental took charge of the operation and maintenance of the system through February 2010. System modifications have been implemented during the period of time from the initial system installation until present including free product removal using ICE technology and additional air sparging capacity.

A supplemental site assessment was completed by Fortis at the Shadd property in 2009. Soil screening data and laboratory analytical data indicated petroleum contaminants in the soil above soil cleanup target levels (SCTLs). The vertical extent of contamination was reported to be approximately 25 feet below land surface (bls).

Groundwater analytical data collected in 2010 indicated groundwater conditions in the shallow zone exceeding groundwater cleanup target levels (GCTLs) at each of the subject properties. In addition, groundwater data collected from intermediate and deep wells located throughout the subject area indicated exceedances of GCTLs in several locations.

Subsequently under Task Assignment GC653-48A, Amec Foster Wheeler was tasked to develop a remedial action plan to address soil contamination on the Shadd's property. Source removal activities began with well abandonment in November 2011 and were completed with final site restoration in March 2012. A total of 27,770.23 tons of petroleum impacted soil were excavated from the Shadd property using large diameter augers (LDAs) and conventional excavation. A caisson wall was constructed using 159 LDA caissons backfilled with 4,207 cubic yards of flowable fill to provide structural support. A total of 18,880 cubic yards of clean A-3 backfill was used to fill the excavation. Based on soil OVA and analytical data, petroleum impacted soils were excavated from the site to the maximum extent feasible with only isolated pockets of soil contamination above the SCTLs remaining to the north by Main Street and under the northwest corner of the Shadd building and possibly near the Sunrise Food Mart building to the west. Replacement groundwater monitoring wells were installed in March 2012. The second phase of proposed remediation is currently being implemented (horizontal biosparge).

A horizontal biosparge system was added to the existing SVE system on August 17, 2015. The biosparge system consisted of four horizontal wells set at approximately 28 feet bls and approximately 600 feet long each. The modified remedial system was started on September 28, 2015.

On July 13, 2020 the SVE/AS system was shut down due to the end of PO B4FE2 and the rental AS system and rental liquid phase carbon vessels were decommissioned and removed from the site by the equipment manufacturers.

### **SOIL SCREENING SUMMARY**

An onsite pre-drilling meeting was conducted on January 26, 2022 with Preferred Drilling Solutions, Inc., (Preferred). Prior to conducting drilling activities, Wood contacted Sunshine One Call to have underground utilities marked in the vicinity of the proposed study area.



On March 9, 2022, Wood supervised Preferred in the advancement of one soil boring, collecting split-spoon samples prior to the well installation. The soil samples were screened with an OVA that used a flame ionization detector (FID). The soil boring was advanced to 25 feet bls. The highest OVA concentration (>1,000 parts per million [ppm]) was measured in the soil sample collected from 17 to 19 feet at 2,538 ppm, which is within the saturated zone.

One IDW soil sample was collected and analyzed for BTEX and MTBE using United States Environmental Protection Agency (USEPA) Method 8260B and RCRA 4 Metals using USEPA Method 6010.

The results of the OVA field screening are detailed in Table 1. The soil boring log is included in Attachment A.

### **MONITORING WELL INSTALLATION**

On March 9, 2022, Wood supervised Preferred during the installation of one replacement monitoring well (MW-2SR) using a DPT rig with hollow stem augur (HSA) attachments. The new monitoring well is a replacement for monitoring well MW-2S. The monitoring well was constructed with 2-inch SCH 40 PVC to a total depth of 25 feet bls with 10 feet of 0.010-inch slot screen.

The monitoring well was completed with a 20/30-grade sand pack installed to 2 feet above the top of the screen, then a 2-foot fine sand seal was installed on top of that followed by grout to land surface. The monitoring well was secured inside an 8-inch diameter, bolt-down well vault, embedded in a flush-mounted, traffic bearing, 2-foot by 2-foot concrete pad. Wood developed the newly installed monitoring well prior to the groundwater sampling event. The monitoring well was developed using a submersible pump. The well construction log is included in Attachment A.

A total of two drums of IDW soil were generated during the March 2022 monitoring well installation event. The IDW drums are scheduled to be disposed of on June 29, 2022, by Gulf Coast Vacuum Truck Services using RNA Consulting as a broker.

### **WELL ABANDONMENT**

Following the monitoring well installation of MW-2SR, monitoring well MW-2S was abandoned. The well was abandoned in accordance with Suwannee River Water Management District (SRWMD) requirements. The depths and construction details for the abandoned well is detailed in Table 1. The abandoned well location is shown on Figure 2. A copy of the well abandonment permit is included in Attachment E.

The monitoring well was abandoned in accordance with the requirements of Subsection 62-532.500(5) Florida Administrative Code (FAC) and SRWMD protocols. The well was grouted by pouring Portland-type cement through tremie pipe starting from the bottom of the well and pulling out until it was grouted to land surface. The steel manhole and concrete pad was removed from the monitoring well and were replaced with like surfaces flush with the surrounding surface area. Photo documentation is included in Attachment C.



## **VOID RESTORATION**

A void was first noticed in December 2018 around MW-2S, and subsequently biosparge well HBS-3 was shutoff so that the void could be filled with angular rock. It is believed that the void was caused by the operation of the AS system. Location HSB-3 was left off for three months to try and allow the void to naturally settle. Horizontal biosparge well HSB-3 was restarted in April 2019, however the void started to grow after operating HSB-3. The void was filled with angular rock again and HSB-3 was shutoff and has not operated since. To reduce creating safety risk, the void needed to be filled from the bottom up. Additionally, the void needed to be filled to be able to safely operate HSB-3 to clean up the area along the horizontal well location. While Preferred was onsite to replace monitoring well MW-2S, the existing void was attempted to be grouted from the bottom to the surface. Preferred attempted to grout the void at two locations. The first location accepted approximately 11 gallons of grout. Grout had returned to surface and the rods were removed from the first location. The second location accepted approximately 14 gallons of grout. Grout had returned to the surface and the rods were removed from the second location. Since the formation was not accepting the grout and it was returning to surface, the filling of the void was assumed to be complete.

## **GROUNDWATER ELEVATION AND FLOW SUMMARY**

On March 29, 2022, Wood collected depth to water measurements from 15 monitoring wells (MW-2SR, MW-4SR, MW-5SR, MW-6R2, MW-8R2, MW-22IR, MW-23SR, MW-26CR, MW-27CR, MW-30C, MW-38SR, MW-40IR, MW-62SR, MW-63S, and MW-67S) to determine groundwater elevation and flow direction at the Shadd property site (Table 4). The depth to water in the shallow wells ranged from 6.42 feet below top of casing (btoc) (MW-67S) to 12.59 feet btoc (MW-2SR), with an average depth to water of 10.32 feet btoc, an increase of 2.43 feet from the previous event in June 2020. On March 29, 2022, the groundwater flow direction at the Shadd property was inferred to be generally to the southeast for the shallow zone, which is consistent with the historical flow to the southeast. A graphic representation of the groundwater elevation and flow is presented in Figure 3.

## **GROUNDWATER MONITORING SUMMARY**

On March 29, 2022, Wood mobilized to the site to collect groundwater samples from 15 monitoring wells MW-2SR, MW-4SR, MW-5SR, MW-6R2, MW-8R2, MW-22IR, MW-23SR, MW-26CR, MW-27CR, MW-30C, MW-38SR, MW-40IR, MW-62SR, MW-63S, and MW-67S. Each monitoring well was purged using low-flow sampling techniques in accordance with FDEP SOPs prior to collecting the sample. In addition, Wood measured the following field parameters for stability: dissolved oxygen (DO), pH, temperature, conductivity, oxygen reduction potential and turbidity. The groundwater sampling logs and calibration logs are included in Attachment A.

The groundwater samples were placed in a cooler with wet ice and transported under chain of custody protocol to Advanced Environmental Laboratories (AEL) in Tallahassee, Florida. The groundwater samples collected were analyzed for BTEX and MTBE using USEPA Method 8260C. The groundwater samples collected for monitoring wells MW-5SR, MW-6R2, MW-8R2 and MW-62SR were also analyzed for PAHs using USEPA Method 8270C.



## **GROUNDWATER ANALYTICAL RESULTS**

Laboratory analytical results from the March 2022 sampling event reported petroleum-related constituents of concern at concentrations above their respective GCTLs in the groundwater samples collected from the following monitoring wells:

- MW-2SR: benzene (1.5 micrograms per liter [ $\mu\text{g/L}$ ]), ethylbenzene (120  $\mu\text{g/L}$ ) and total xylenes (1,000  $\mu\text{g/L}$ ). The concentration of total xylenes also exceeded its respective Natural Attenuation Default Concentration (NADC);
- MW-5SR: total xylenes (29  $\mu\text{g/L}$ );
- MW-6R2: benzene (8.5  $\mu\text{g/L}$ ), toluene (420  $\mu\text{g/L}$ ), ethylbenzene (1,200  $\mu\text{g/L}$ ), total xylenes (3,700  $\mu\text{g/L}$ ), naphthalene (150  $\mu\text{g/L}$ ), 1-methylnaphthalene (32  $\mu\text{g/L}$ ) and 2-methylnaphthalene (61  $\mu\text{g/L}$ ). The concentrations of toluene, ethyl benzene, total xylenes and naphthalene also exceeded their respective NADCs;
- MW-8R2: benzene (2.6  $\mu\text{g/L}$ );
- MW-22IR: benzene (1.6  $\mu\text{g/L}$ ), ethylbenzene (230  $\mu\text{g/L}$ ) and total xylenes (320  $\mu\text{g/L}$ ). The concentration of total xylenes also exceeded its respective NADC;
- MW-23SR: benzene (21  $\mu\text{g/L}$ ), toluene (90  $\mu\text{g/L}$ ), ethylbenzene (40  $\mu\text{g/L}$ ) and total xylenes (310  $\mu\text{g/L}$ ). The concentration of total xylenes also exceeded its respective NADC;
- MW-30C: total xylenes (61  $\mu\text{g/L}$ );
- MW-62SR: benzene (63  $\mu\text{g/L}$ ), ethylbenzene (78  $\mu\text{g/L}$ ), total xylenes (280  $\mu\text{g/L}$ ) and naphthalene (16  $\mu\text{g/L}$ ). The concentration of total xylenes also exceeded its respective NADC;
- MW-63S: benzene (52  $\mu\text{g/L}$ ), toluene (62  $\mu\text{g/L}$ ) and total xylenes (160  $\mu\text{g/L}$ ). The concentration of benzene also exceeded its respective NADC;

The groundwater samples collected from monitoring wells MW-4SR, MW-26CR, MW-27CR, MW-38SR, MW-40IR and MW-67S reported petroleum-related constituents of concern at concentrations below their respective GCTLs.

A summary of the groundwater analytical results is presented in Table 4 and Figure 4. The groundwater laboratory analytical report is included in Attachment B.

## **CONCLUSIONS**

- Conducted an onsite pre-drill meeting in January 2022.
- In March 2022, one replacement monitoring well (MW-2SR) was installed.
- In March 2022, one IDW soil sample was collected for disposal characterization.
- In March 2022, groundwater samples were collected from 15 monitoring wells. Petroleum-related constituents of concern were reported at concentrations above their respective GCTLs in the groundwater samples collected from MW-2SR, MW-5SR, MW-6R2, MW-8R2, MW-22IR, MW-23SR, MW-30C, MW-62SR and MW-63S. Additionally, the groundwater



samples collected from monitoring wells MW-2SR, MW-6R2, MW-22IR, MW-23SR, MW-62SR and MW-63S reported one or more contaminant of concern at concentrations exceeding their respective NSDCs.

- The concentrations of benzene, ethylbenzene and total xylenes increased in the groundwater sample collected from monitoring well MW-2SR since the previous sampling event in February 2019, which was collected from the original MW-2S.
- The concentration of total xylenes increased in the groundwater sample collected from monitoring well MW-5SR since the previous sampling event in June 2020.
- The concentrations of toluene, ethylbenzene, total xylenes and naphthalene increased, and benzene remained consistent in the groundwater sample collected from monitoring well MW-6R2 since the previous sampling event in June 2020.
- The concentration of benzene decreased in the groundwater sample collected from monitoring well MW-8R2 since the previous sampling event in June 2020.
- The concentrations of benzene, ethylbenzene and total xylenes increased in the groundwater sample collected from monitoring well MW-22IR2 since the previous sampling event in June 2020.
- The concentrations of benzene, toluene, ethylbenzene and total xylenes decreased in the groundwater sample collected from monitoring well MW-23SR since the previous sampling event in June 2020.
- The concentration of total xylenes increased in the groundwater sample collected from monitoring well MW-30C since the previous sampling event in June 2020.
- The concentrations of benzene, ethylbenzene, total xylenes and naphthalene decreased in the groundwater sample collected from monitoring well MW-62SR since the previous sampling event in June 2020.
- The concentrations of benzene, toluene, ethylbenzene and total xylenes decreased in the groundwater sample collected from monitoring well MW-63S since the previous sampling event in June 2020.
- The groundwater flow direction at the site on March 29, 2022 was to the southeast.

## **RECOMMENDATIONS**

Wood recommends holding a teleconference to discuss installing the rental AS/SVE system and continuing remediation utilizing the newly installed rental AS/SVE system that can achieve the pressure and flow needed at the site.



If you have any questions or comments, please contact the undersigned at (850) 656-1293.

Thank you,

**Wood**  
**Environment & Infrastructure Solutions, Inc.**



Alexandra Horne  
Staff Geologist



Ron White, P.G.  
Associate Scientist



## PROFESSIONAL REVIEW CERTIFICATION

The work described in this General Remedial Action Report for the Shadd's Property site located in Lake Butler, Union County, Florida was performed in accordance with commonly accepted procedures consistent with the applied standards of practice under the direction of the undersigned professional geologist. The professional opinions rendered are based on the associated information detailed in the text and appended to this report or referenced in public literature. Recommendations are based upon interpretations of the applicable regulatory requirements, guidelines, and relevant issues discussed with regulatory personnel. If conditions that differ from those described are determined to exist, the undersigned should be notified to evaluate the effects of any additional information on the assessment or recommendations made in this report. These field activities were conducted at the Shadd's Property, Lake Butler, Union County, Florida, in accordance with Florida Department of Environmental Protection directives and U.S. Environmental Protection Agency protocol, and the report should not be construed to apply for any other purpose or to any other site.

Wood Environment & Infrastructure Solutions, Inc. (**P.G. License Number: GB514; Certificate of Authorization Number: 6090, SEQ No.: L1502100000828**) is authorized under the provisions of Section 492 Florida Statutes.



This document has been electronically signed and sealed by Ronald D. White, P.G., on **June 20, 2022** using a SHA-1 authentication code. Printed copies of this document are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies.

## TABLES

## TABLE 1: Soil Screening Summary

**Facility Name:** Shadd Property &  
 Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

**All Measurements = Feet**

**Facility ID#:** 63 9807182 Shadd Facility

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBL)	SAMPLE INTERVAL (FBL)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-16	8/23/2010	15	0-2.5	60	30	30	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	30	0	30	
			15-17.5	1,200	0	1,200	
			17.5-20	6,000	0	6,000	
			20-22.5	40	0	40	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-17	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	15	0	15	
			12.5-15	150	0	150	
			15-17.5	650	0	650	
			17.5-20	850	0	850	
			20-22.5	950	0	950	
			22.5-25	10	0	10	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-18	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	60	0	60	
			12.5-15	2,300	0	2,300	
			15-17.5	2,850	0	2,850	
			17.5-20	60	0	60	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	10	10	0	
27.5-30	17	17	0				

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BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-19	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	20	0	20	
			12.5-15	290	0	290	
			15-17.5	50	0	50	
			17.5-20	5,600	0	5,600	
			20-22.5	25	0	25	
			22.5-25	10	0	10	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-20	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	35	0	35	
			15-17.5	220	0	220	
			17.5-20	280	0	280	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-21	8/24/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	10	0	10	
			12.5-15	0	-	0	
			15-17.5	70	20	50	
			17.5-20	140	0	140	
			20-22.5	190	0	190	
			22.5-25	5	0	5	
			25-27.5	0	-	0	
27.5-30	0	-	0				

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BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-22	8/24/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	5	0	5	
			10-12.5	>50,000	0	>50,000	
			12.5-15	30	0	30	
			15-17.5	690	0	690	
			17.5-20	80	0	80	
			20-22.5	70	0	70	
			22.5-25	30	0	30	
			25-27.5	30	0	30	
27.5-30	5	0	5				
SB-23	8/24/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	>50,000	0	>50,000	
			12.5-15	130	0	130	
			15-17.5	3,800	0	3,800	
			17.5-20	3,000	0	3,000	
			20-22.5	1,300	0	1,300	
			22.5-25	250	0	250	
			25-27.5	4	0	4	
27.5-30	10	0	10				
SB-24	8/24/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	19,000	0	19,000	
			15-17.5	3,200	0	3,200	
			17.5-20	8,000	0	8,000	
			20-22.5	35,000	0	35,000	
			22.5-25	100	0	100	
			25-27.5	0	-	0	
27.5-30	0	-	0				

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BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-25	8/24/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	5	0	5	
			15-17.5	6,700	0	6,700	
			17.5-20	100	0	100	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-26	8/24/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	0	-	0	
			15-17.5	0	-	0	
			17.5-20	0	-	0	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-27	8/24/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	0	-	0	
			15-17.5	0	-	0	
			17.5-20	0	-	0	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				

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SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-28	8/25/2010	10	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	0	-	0	
			15-17.5	0	-	0	
			17.5-20	0	-	0	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-29	8/25/2010	10	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	0	-	0	
			15-17.5	7,600	0	7,600	
			17.5-20	220	0	220	
			20-22.5	10	0	10	
			22.5-25	15	0	15	
			25-27.5	20	0	20	
27.5-30	20	0	20				
SB-30	8/25/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	0	-	0	
			15-17.5	0	-	0	
			17.5-20	0	-	0	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				

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SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-31	8/25/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	0	-	0	
			15-17.5	40	0	40	
			17.5-20	10	0	10	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-32	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	0	-	0	
			15-17.5	0	-	0	
			17.5-20	1,300	0	1,300	
			20-22.5	60	0	60	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-33	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	1,200	0	1,200	
			15-17.5	1,600	0	1,600	
			17.5-20	0	-	0	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				

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 Lake Butler, Union County, Florida

**All Measurements = Feet**

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SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-34	8/23/2010	15	0-2.5	10	8	2	
			2.5-5	175	40	135	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	n/a	n/a	n/a	no recovery
			12.5-15	10	10	0	
			15-17.5	40	20	20	
			17.5-20	10	10	0	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-35	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	0	-	0	
			15-17.5	0	-	0	
			17.5-20	0	-	0	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-36	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	0	-	0	
			15-17.5	0	-	0	
			17.5-20	0	-	0	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				

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SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-37	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	0	-	0	
			15-17.5	0	-	0	
			17.5-20	0	-	0	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				
SB-38	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	800	0	800	
			15-17.5	40	0	40	
			17.5-20	50	0	50	
			20-22.5	0	-	0	
			22.5-25	10	0	10	
			25-27.5	10	0	10	
27.5-30	15	0	15				
SB-39	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	30	0	30	
			15-17.5	60	0	60	
			17.5-20	160	0	160	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
27.5-30	0	-	0				

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BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SB-40	8/23/2010	15	0-2.5	0	-	0	
			2.5-5	0	-	0	
			5-7.5	0	-	0	
			7.5-10	0	-	0	
			10-12.5	0	-	0	
			12.5-15	0	-	0	
			15-17.5	0	-	0	
			17.5-20	0	-	0	
			20-22.5	0	-	0	
			22.5-25	0	-	0	
			25-27.5	0	-	0	
			27.5-30	0	-	0	
MW-2SR	3/9/2022	15	0-1	0	-	0	
			1-2	0	-	0	
			2-3	0	-	0	
			3-4	0	-	0	
			4-5	0	-	0	
			5-7	0	-	0	
			7-9	0	-	0	
			9-11	0	-	0	
			11-13	2	-	2	
			13-15	12	-	12	
			15-17	11	-	11	
			17-19	2,543	5	2,538	
			19-21	411	73	338	
21-23	123	27	96				
23-25	26	22	4				
<b>LDA Excavation</b>							
A-9	12/13/2011		10	0	-	0	
			15	5,382	40	5,342	
			20	38,816	0	38,816	
A-14	12/13/2011		10	0	-	0	
			15	2,183	0	2,183	
			20	1,887	0	1,887	
A-6	12/13/2011		10	0	-	0	
			15	5,780	0	5,780	
			20	144	0	144	
A-1	12/13/2011		10	2	0	2	
			15	825	0	825	
			20	525	0	525	

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BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBS)	SAMPLE INTERVAL (FBS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
A-36	12/13/2011		10	0	-	0	
			15	1,265	0	1,265	
			20	>50000	-	>50000	
A-42	12/13/2011		10	0	-	0	
			15	35,897	0	35,897	
			20	39,990	0	39,990	
A-39	12/13/2011		10	0	-	0	
			15	>50000	-	>50000	
			20	457	0	457	
A-45	12/13/2011		10	3	0	3	
			15	1,683	0	1,683	
			20	24,347	0	24,347	
A-48	12/13/2011		10	0	-	0	
			15	>50000	-	>50000	
			20	6,340	0	6,340	
A-21	12/13/2011		10	0	-	0	
			15	285	0	285	
			20	45	0	45	
A-25	12/13/2011		10	0	-	0	
			15	0	-	0	
			20	25	0	25	
A-28	12/13/2011		10	2	0	2	
			15	0	-	0	
			20	516	0	516	
A-4	12/15/2011		10	4	0	4	
			15	1,044	0	1,044	
			20	307	0	307	
A-8	12/15/2011		10	6	0	6	
			15	8,436	0	8,436	
			20	832	0	832	
A-12	12/15/2011		10	7	0	7	
			15	578	0	578	
			20	360	0	360	
A-17	12/15/2011		10	7	0	7	
			15	2,249	0	2,249	
			20	91	0	91	
A-73	12/21/2011		10	348	0	348	
			15	15,000	0	15,000	
			20	1,875	0	1,875	

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BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
A-67	12/21/2011		10	26	0	26	
			15	1,300	0	1,300	
			20	17	0	17	
A-63	12/21/2011		10	0	0	0	
			15	34,800	0	34,800	
			20	>50000	-	>50000	
A-58	12/21/2011		10	34	0	34	
			15	43	0	43	
			20	117	0	117	
A-76	12/21/2011		10	120	0	120	
			15	>50000	-	>50000	
			20	36,400	0	36,400	
A-79	12/21/2011		10	283	0	283	
			15	422	0	422	
			20	257	0	257	
A-3	12/21/2011		10	0	-	0	
			15	600	0	600	
			20	8,640	0	8,640	
A-7	12/21/2011		10	10	0	10	
			15	9,450	0	9,450	
			20	>50000	-	>50000	
A-5	12/22/2011		10	13	0	13	
			15	13,680	0	13,680	
			20	895	0	895	
A-11	12/22/2011		10	4	0	4	
			15	333	0	333	
			20	320	0	320	
A-15	12/22/2011		10	2	0	2	
			15	228	0	228	
			20	270	0	270	
A-20	12/22/2011		10	0	-	0	
			15	2,720	0	2,720	
			20	305	0	305	
A-32	12/22/2011		10	0	-	0	
			15	20	0	20	
			20	10,190	0	10,190	
A-59	1/3/2012		10	40	0	40	
			15	115	0	115	
			20	64	0	64	

## TABLE 1: Soil Screening Summary

**Facility Name:** Shadd Property &  
 Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

**All Measurements = Feet**

**Facility ID#:** 63 9807182 Shadd Facility

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
A-65	1/3/2012		10	12	0	12	
			15	>50000	-	>50000	
			20	125	0	125	
A-72	1/3/2012		10	11	0	11	
			15	320	0	320	
			20	210	0	210	
A-18	1/3/2012		10	10	0	10	
			15	18	0	18	
			20	195	0	195	
A-22	1/3/2012		10	8	0	8	
			15	13	0	13	
			20	401	0	401	
A-27	1/3/2012		10	0	-	0	
			15	0	-	0	
			20	152	0	152	
A-68	1/3/2012		10	146	0	146	
			15	155	0	155	
			20	146	0	146	
A-34	1/4/2012		10	2	0	2	
			15	471	0	471	
			20	225	0	225	
A-38	1/4/2012		10	5	0	5	
			15	181	0	181	
			20	250	0	250	
A-41	1/4/2012		10	4	0	4	
			15	540	0	540	
			20	176	0	176	
A-47	1/4/2012		10	12	0	12	
			15	570	0	570	
			20	1,510	0	1,510	
A-62	1/4/2012		10	10	0	10	
			15	1,805	0	1,805	
			20	411	0	411	
A-52	1/4/2012		10	0	-	0	
			15	9	0	9	
			20	15	0	15	
A-74	1/4/2012		10	3	0	3	
			15	1,144	0	1,144	
			20	571	0	571	

## TABLE 1: Soil Screening Summary

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 Lake Butler, Union County, Florida

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SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBS)	SAMPLE INTERVAL (FBS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
A-78	1/4/2012		10	30	0	30	
			15	490	0	490	
			20	510	0	510	
A-24	1/4/2012		10	12	0	12	
			15	11	0	11	
			20	30	0	30	
A-19	1/4/2012		10	0	-	0	
			15	90	0	90	
			20	235	0	235	
A-2	1/6/2012		10	10	0	10	
			15	2	0	2	
			20	1,448	0	1,448	
A-10	1/6/2012		10	10	0	10	
			15	125	0	125	
			20	1,160	0	1,160	
A-16	1/6/2012		10	95	0	95	
			15	12	0	12	
			20	75	0	75	
A-23	1/6/2012		10	5	0	5	
			15	5	0	5	
			20	111	0	111	
A-64	1/9/2012		10	0	-	0	
			15	1,830	0	1,830	
			20	>50000	0	>50000	
A-71	1/9/2012		10	3,125	0	3,125	
			15	>50000	0	>50000	
			20	>50000	0	>50000	
A-75	1/9/2012		10	0	-	0	
			15	7,100	0	7,100	
			20	1,800	0	1,800	
A-50	1/9/2012		10	0	-	0	
			15	20	0	20	
			20	1,460	0	1,460	
A-43	1/9/2012		10	8	0	8	
			15	2,100	0	2,100	
			20	990	0	990	
A-35	1/9/2012		10	5	0	5	
			15	2,085	0	2,085	
			20	2,350	0	2,350	

## TABLE 1: Soil Screening Summary

**Facility Name:** Shadd Property &  
**Coastal Mart (aka Sunrise Food Mart)**  
**Lake Butler, Union County, Florida**

**All Measurements = Feet**

**Facility ID#:** 63 9807182 Shadd Facility

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
A-31	1/9/2012		10	15	0	15	
			15	65	0	65	
			20	4,275	0	4,275	
A-56	1/10/2012		10	0	-	0	
			15	4	0	4	
			20	40	0	40	
A-77	1/10/2012		10	42	0	42	
			15	435	0	435	
			20	>50000	-	>50000	
A-29	1/10/2012		10	0	-	0	
			15	0	-	0	
			20	780	0	780	
A-61	1/12/2012		10	7	0	7	
			15	300	0	300	
			20	300	0	300	
A-69	1/12/2012		10	17	0	17	
			15	270	0	270	
			20	>50000	-	>50000	
A-75	1/12/2012		10	520	0	520	
			15	31,000	0	31,000	
			20	21,800	0	21,800	
A-80	1/12/2012		10	250	0	250	
			15	110	0	110	
			20	2,080	0	2,080	
A-30	1/12/2012		10	0	-	0	
			15	7	0	7	
			20	5,360	0	5,360	
A-37	1/12/2012		10	21	0	21	
			15	16,750	0	16,750	
			20	>50000	-	>50000	
A-44	1/12/2012		10	9	0	9	
			15	>50000	-	>50000	
			20	>50000	-	>50000	
A-51	1/12/2012		10	0	-	0	
			15	76	0	76	
			20	330	0	330	
A-33	1/13/2012		10	0	-	0	
			15	245	0	245	
			20	480	0	480	

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**Facility ID#:** 63 9807182 Shadd Facility

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
A-54	1/16/2012		10	0	-	0	
			15	12	0	12	
			20	10	0	10	
A-40	1/16/2012		10	170	0	170	
			15	>50000	-	>50000	
			20	5,670	0	5,670	
A-53	1/17/2012		10	11	0	11	
			15	8	0	8	
			20	13	0	13	
A-26	1/17/2012		10	4	0	4	
			15	6	0	6	
			20	2,381	0	2,381	
A-46	1/17/2012		10	14	0	14	
			15	>50000	-	>50000	
			20	>50000	-	>50000	
A-81	1/19/2012		10	13	0	13	
			15	25	0	25	
			20	9,330	0	9,330	
A-55	1/20/2012		10	0	-	0	
			15	0	-	0	
			20	4	0	4	
A-64	1/20/2012		10	95	0	95	
			15	677	0	677	
			20	137	0	137	
A-49	1/20/2012		10	0	-	0	
			15	130	0	130	
			20	127	0	127	
A-70	1/24/2012		10	202	0	202	
			15	13,224	0	13,224	
			20	>50000	-	>50000	
<b>Conventional Excavation</b>							
1	1/24/2012		5	0	-	0	
	1/24/2012		10	36	0	36	
	2/7/2012		20	24	0	24	
2	1/24/2012		5	0	-	0	
	1/24/2012		10	260	0	260	
	2/7/2012		15	2,300	0	2,300	
	2/7/2012		20	788	0	788	

## TABLE 1: Soil Screening Summary

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 Lake Butler, Union County, Florida

**All Measurements = Feet**

**Facility ID#:** 63 9807182 Shadd Facility

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
3	1/24/2012		5	0	-	0	
	1/24/2012		10	0	-	0	
	2/3/2012		15	>50,000	-	>50,000	
	2/7/2012		20	38,000	0	38,000	
4	1/25/2012		5	3	0	3	
	1/25/2012		10	8	0	8	
	2/1/2012		15	>50,000	-	>50,000	
	2/1/2012		20	630	0	630	
5	1/25/2012		5	0	-	0	
	1/25/2012		10	16	0	16	
	2/6/2012		15	3,170	0	3,170	
	2/7/2012		20	215	0	215	
6	1/25/2012		10	602	0	602	
7	1/25/2012		5	239	0	239	
	2/6/2012		15	10,780	0	10,780	
8	1/25/2012		5	185	0	185	
	1/25/2012		10	1,364	0	1,364	
	2/6/2012		15	4,500	0	4,500	
	2/8/2012		22	335	0	335	
9	1/25/2012		5	0	-	0	
	1/25/2012		10	0	-	0	
	2/6/2012		15	120	0	120	
10	1/25/2012		5	0	-	0	
	1/25/2012		10	18	0	18	
	2/6/2012		15	198	0	198	
	2/8/2012		21	500	0	500	
11	1/26/2012		5	34,684	0	34,684	
	1/26/2012		10	>50,000	-	>50,000	
	2/7/2012		15	>50,000	-	>50,000	
12	1/26/2012		5	0	-	0	
	1/26/2012		10	2,155	0	2,155	
	2/6/2012		15	24,231	0	24,231	
	2/8/2012		21	1,972	0	1,972	
13	1/28/2012		5	0	-	0	
	1/28/2012		10	50	0	50	
	2/6/2012		15	5,112	0	5,112	
	2/8/2012		20	>50,000	-	>50,000	

## TABLE 1: Soil Screening Summary

**Facility Name:** Shadd Property &  
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**Lake Butler, Union County, Florida**

**All Measurements = Feet**

**Facility ID#:** 63 9807182 Shadd Facility

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
14	1/28/2012		5	0	-	0	
	1/28/2012		10	450	0	450	
	2/6/2012		15	15,494	0	15,494	
	2/8/2012		20	844	0	844	
15	1/30/2012		5	0	-	0	
	1/30/2012		10	0	-	0	
	2/6/2012		15	7,457	0	7,457	
	2/8/2012		20	550	0	550	
16	1/30/2012		5	0	-	0	
	1/30/2012		10	0	-	0	
	2/6/2012		15	>50,000	-	>50,000	
	2/8/2012		20	>50,000	-	>50,000	
	2/8/2012		22	>50,000	-	>50,000	
17	1/30/2012		5	4	0	4	
	1/30/2012		10	3	0	3	
	2/10/2012		20	3,400	0	3,400	
18	1/30/2012		8	5,700	4	5,696	
	2/6/2012		15	>50,000	-	>50,000	
19	1/30/2012		10	>50,000	-	>50,000	
	2/6/2012		15	>50,000	-	>50,000	
20	1/30/2012		5	0	-	0	
	1/30/2012		10	80	0	80	
21	1/30/2012		5	3	0	3	
	1/30/2012		10	>50,000	-	>50,000	
22	1/30/2012		5	0	-	0	
	1/30/2012		10	0	-	0	
	2/8/2012		20	8,540	0	8,540	
23	1/31/2012		5	280	0	280	
	1/31/2012		10	2,550	0	2,550	
24	1/31/2012		5	0	-	0	
	1/31/2012		10	26,500	0	26,500	
	2/9/2012		15	15,150	0	15,150	
	2/9/2012		20	13,121	0	13,121	
25	1/31/2012		5	0	-	0	
	1/31/2012		10	0	-	0	
	2/14/2012		15	18,930	0	18,930	
	2/14/2012		20	13,121	0	13,121	
	2/14/2012		22	16	0	16	

## TABLE 1: Soil Screening Summary

**Facility Name:** Shadd Property &  
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**Lake Butler, Union County, Florida**

**All Measurements = Feet**

**Facility ID#:** 63 9807182 Shadd Facility

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
26	1/31/2012		5	0	-	0	
	1/31/2012		10	0	-	0	
	2/15/2012		15	0	-	0	
	2/15/2012		20	252	0	252	
27	2/1/2012		5	0	-	0	
	2/1/2012		10	2,320	0	2,320	
28	2/1/2012		5	0	-	0	
	2/1/2012		10	1,715	0	1,715	
	2/9/2012		15	678	0	678	
	2/10/2012		20	2,866	0	2,866	
29	2/1/2012		5	0	-	0	
	2/1/2012		10	0	-	0	
30	2/1/2012		5	0	-	0	
	2/1/2012		10	0	-	0	
	2/14/2012		15	540	0	540	
	2/14/2012		20	2,520	0	2,520	
31	2/1/2012		5	610	0	610	
	2/1/2012		10	1,820	0	1,820	
	2/9/2012		15	498	0	498	
	2/13/2012		20	7,784	0	7,784	
32	2/1/2012		5	10	0	10	
	2/1/2012		10	6	0	6	
	2/28/2012		22	8	0	8	
33	2/9/2012		10	0	-	0	
	2/9/2012		15	1,055	0	1,055	
	2/10/2012		20	647	0	647	
	2/10/2012		22	0	-	0	
34	2/10/2012		20	561	0	561	
	2/10/2012		22	0	-	0	
35	2/13/2012		5	0	-	0	
	2/13/2012		10	0	-	0	
	2/13/2012		15	0	-	0	
	2/13/2012		20	18,071	0	18,071	
	2/24/2012		23	210	0	210	
36	2/20/2012		5	18	0	18	
	2/28/2012		22	49	0	49	
37	2/20/2012		5	0	-	0	
	2/20/2012		10	0	-	0	
38	2/20/2012		5	0	-	0	
	2/20/2012		10	0	-	0	

## TABLE 1: Soil Screening Summary

**Facility Name:** Shadd Property &  
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**Lake Butler, Union County, Florida**

**All Measurements = Feet**

**Facility ID#:** 63 9807182 Shadd Facility

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBLs)	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
39	2/20/2012		5	175	0	175	
	2/20/2012		10	105	0	105	
40	2/20/2012		5	0	-	0	
	2/20/2012		10	2	0	2	
	2/22/2012		15	425	0	425	
41	2/22/2012		12	0	-	0	
	2/22/2012		20	885	0	885	
42	2/23/2012		5	0	-	0	
	2/23/2012		10	5	0	5	
	2/23/2012		15	5	0	5	
	2/23/2012		20	115	0	115	
43	2/23/2012		5	15	0	15	
	2/23/2012		10	30	0	30	
	2/28/2012		23	10	0	10	
44	2/24/2012		23	345	0	345	
SS-1	2/9/2012		15	0	-	0	
SS-2	2/9/2012		15	0	-	0	
SS-3	2/29/2012		5	3	0	3	
	2/29/2012		10	0	0	0	
	2/29/2012		15	0	0	0	
	2/29/2012		22	0	0	0	
SS-4	2/29/2012		5	19	0	19	
	2/29/2012		10	0	-	0	
	2/29/2012		15	0	-	0	
	2/29/2012		22	0	-	0	
SS-5	2/23/2012		5	0	-	0	
	2/23/2012		10	72	0	72	
	2/23/2012		15	5	0	5	
	2/24/2012		20	715	0	715	
SS-6	2/22/2012		5	0	-	0	
	2/22/2012		10	0	-	0	
	2/23/2012		15	15	0	15	
	2/23/2012		20	45	0	45	
SS-7	2/22/2012		5	0	-	0	
	2/22/2012		10	0	-	0	
	2/22/2012		15	55	0	55	
	2/22/2012		20	205	0	205	

## TABLE 1: Soil Screening Summary

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 Lake Butler, Union County, Florida

**All Measurements = Feet**

**Facility ID#:** 63 9807182 Shadd Facility

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (FBL)	SAMPLE INTERVAL (FBL)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
SS-8	2/29/2012		5	0	-	0	
	2/29/2012		10	0	-	0	
	2/29/2012		15	23	0	23	
SS-9	2/9/2012		5	0	-	0	
	2/9/2012		10	10	0	10	
	2/9/2012		15	0	-	0	
	2/9/2012		20	950	0	950	

TABLE 2: SOIL ANALYTICAL SUMMARY

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart) Lake Butler, Union County, Florida

Analytical Results = milligrams per kilogram (mg/kg)  
 MTBE = Methyl-tert-butyl-ether  
 fbls= feet below land surface  
 NA = not analyzed  
 ppm= parts per million  
 U= indicates the analyte was not detected  
 \*=Leachability valve maybe determined using TCLP  
 Note: Bold font indicates value is above applicable SCTL

Facility ID#: 63 9807182 Shadd Facility

Boring No.	Sample		OVA																
	Date Collected	Sample Interval (fbls)		Net OVA Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Naphthalene (mg/kg)	1-Methyl-naphthale (mg/kg)	2-Methyl-naphthale (mg/kg)	TRPHs (mg/kg)	Lead (mg/kg)	C5-C8 Aliphatics (mg/kg)	C9-C12 Aliphatics (mg/kg)	C9-C10 Aromatics (mg/kg)	C9-C18 Aliphatics (mg/kg)	C19-C36 Aliphatics (mg/kg)
<b>FDEP Leachability SCTL (mg/Kg)</b>				0.007	0.5	0.6	0.2	0.09	1.2	3.1	8.5	340	*	960	31,000	380	140,000	*	1,000
<b>FDEP Direct Exposure - Res SCTL (mg/Kg)</b>				1.2	7,500	1,500	130	4,400	55	200	210	460	400	7,100	1,700	560	2,900	42,000	1,800
SB-18	8/23/2010	10'-12.5'	60	0.0030 U	0.0030 U	0.0024 U	0.0030 U	0.0070 I	0.00043 U	0.00047 U	0.00041 U	6.9 U	14	NA	NA	NA	NA	NA	NA
SB-21	8/24/2010	10'-12.5'	10	0.0067	0.0089	0.0016 U	0.0020 U	0.0040 U	0.00039 U	0.00042 U	0.00037 U	6.3 U	38	NA	NA	NA	NA	NA	NA
SB-22	8/24/2010	10'-12.5'	>50,000	28	400	100	590	28 U	0.19	0.30	0.63	47	13	NA	NA	NA	NA	NA	NA
SB-29	8/25/2010	10'-12.5'	0	0.00030 U	0.00069 U	0.00035 U	0.00081 U	0.00050 U	0.00042 U	0.00046 U	0.00041 U	6.8 U	9.0	NA	NA	NA	NA	NA	NA
SB-34	8/26/2010	2.5'-5'	135	0.00031 U	0.00071 UJ	0.00037 U	0.00084 UJ	0.00052 U	0.00034 U	0.00037 U	0.00033 U	10 I	5.0	NA	NA	NA	NA	NA	NA
SB-36	8/26/2010	5'-7.5'	0	0.00027 U	0.00062 U	0.00032 U	0.00074 U	0.00046 U	0.00039 U	0.00043 U	0.00038 U	2.9 U	19	NA	NA	NA	NA	NA	NA
SB-37	8/26/2010	5'-7.5'	0	0.00022 U	0.00051 U	0.00026 U	0.00060 U	0.00037 U	0.00035 U	0.00038 U	0.00034 U	3.5 I	7.2	NA	NA	NA	NA	NA	NA
SB-38	8/26/2010	7.5'-10'	0	0.00020 U	0.00046 U	0.00024 U	0.00054 U	0.00034 U	0.00035 U	0.00039 U	0.00034 U	5.7 I	34	NA	NA	NA	NA	NA	NA
SB-39	8/26/2010	10'-12.5'	0	0.00028 U	0.00064 UJ	0.00033 U	0.00075 UJ	0.010	0.00042 U	0.00046 U	0.00041 U	5.5 I	21	NA	NA	NA	NA	NA	NA
SB-40	8/26/2010	5'-7.5'	0	0.00026 U	0.00061 UJ	0.00031 U	0.00072 UJ	0.00044 U	0.00033 U	0.00036 U	0.00032 U	2.4 U	0.73	NA	NA	NA	NA	NA	NA
<b>Handex</b>																			
MW-26	3/25/2003	12-13'	400	1,450	2.53	<0.560	1,450J	1.7	<0.450	<0.450	<0.450	<11	<13	NA	NA	NA	NA	NA	NA
MW-28	3/25/2003	14'	150	<0.021	<0.021	<0.021	<0.064	<0.021	<0.410	<0.410	<0.410	<10	<16.0	NA	NA	NA	NA	NA	NA
MW-29	3/26/2003	12-14'	2,500	<0.016	<0.016	<0.016	<0.047	<0.016	<0.390	<0.390	<0.390	<11	23.9	NA	NA	NA	NA	NA	NA
PZ-2	3/24/2003	12'	30	<0.100	<0.100	<0.100	<0.300	<0.100	<0.440	<0.440	<0.440	<11	26.5	NA	NA	NA	NA	NA	NA
<b>Fortis</b>																			
FSB-1	12/10/2008	17-17.5	>10,000	ND(0.253)	29.7	34.1	282.9	ND(0.506)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-1	12/10/2008	19	108	2.25	5.61	2.18	10.81	0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-1	12/10/2008	25-26	<1	ND(0.012)	ND(0.073)	ND(0.024)	0.181I	0.163	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-4	12/10/2008	13-14	1,559	ND(0.022)	ND(0.130)	0.052 i	0.617I	0.225	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-5	12/10/2008	17-18	>10,000	0.393 i	28.7	28.4	283.8	ND(0.476)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-7	12/9/2008	18-20	268	ND(0.012)	ND(0.071)	0.088 i	1.226	ND(0.024)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-8	12/9/2008	17-18	>10,000	ND(0.455)	24.4	16.3	403	ND(0.910)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-11	12/9/2008	10-11	>10,000	3.34	43.9	9.55	65.8	ND(0.238)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-12	12/9/2008	7-8	>10,000	2.17 i	249	243	873	ND(0.953)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-14	12/10/2008	17.5-18.5	>10,000	ND(0.025)	0.453 I	4.98	29.7	ND(0.051)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-14	12/10/2008	20-21	>10,000	0.977 i	156	78.1	374	ND(0.471)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-15	12/10/2008	14	297	0.224 I	2.38	0.384	3.56	ND(0.051)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-16	12/10/2008	10-11	355	16.7	151	38	251.5	6.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-19	12/9/2008	20	59	ND(0.012)	ND(0.073)	ND(0.024)	ND(0.048)	ND(0.024)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-20	12/9/2008	6	254	ND(0.011)	ND(0.069)	0.026 i	0.092 i	ND(0.023)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-20	12/9/2008	16	2,315	ND(0.013)	2.92	5.10	7.43	0.253	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-20	12/9/2008	22	668	16.4	308	99.5	455	ND(0.964)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSB-21	12/9/2008	23-24	53	4.7	14.4	1.49	8.35	0.695	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2: SOIL ANALYTICAL SUMMARY

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility

Analytical Results = milligrams per kilogram (mg/kg)  
MTBE = Methyl-tert-butyl-ether  
fbls= feet below land surface NA = not analyzed  
ppm= parts per million  
U= indicates the analyte was not detected  
\*=Leachability valve maybe determined using TCLP  
Note: Bold font indicates value is above applicable SCTL

Boring No.	Sample		OVA	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Naphthalene (mg/kg)	1-Methyl-naphthale (mg/kg)	2-Methyl-naphthale (mg/kg)	TRPHs (mg/kg)	Lead (mg/kg)	C5-C8 Aliphatics (mg/kg)	C9-C12 Aliphatics (mg/kg)	C9-C10 Aromatics (mg/kg)	C9-C18 Aliphatics (mg/kg)	C19-C36 Aliphatics (mg/kg)	C11-C22 Aromatics (mg/kg)
	Date Collected	Sample Interval (fbls)	Net OVA Reading (ppm)																
FDEP Leachability SCTL (mg/Kg)				0.007	0.5	0.6	0.2	0.09	1.2	3.1	8.5	340	*	960	31,000	380	140,000	*	1,000
FDEP Direct Exposure - Res SCTL (mg/Kg)				1.2	7,500	1,500	130	4,400	55	200	210	460	400	7,100	1,700	560	2,900	42,000	1,800
Source Removal																			
Shadd																			
A-2	1/6/2012	14-16	2	0.00025 U	0.00059 U	0.00030 I	0.0031 I	0.00043 U	0.00059 U	0.00060 U	0.0011 I	2.8 U	NA	NA	NA	NA	NA	NA	NA
A-10	1/6/2012	14-16	125	0.0023 U	0.0053 U	0.0027 U	0.0063 U	0.0039 U	0.0033 I	0.012	0.022	15	NA	NA	NA	NA	NA	NA	NA
A-16	1/6/2012	14-16	12	0.00031 U	0.00072 U	0.00037 U	0.00086 U	0.00053 U	0.00068 U	0.00069 U	0.00068 U	3.3 U	NA	NA	NA	NA	NA	NA	NA
A-23	1/6/2012	14-16	5	0.00034 U	0.00078 U	0.00040 U	0.0015 I	0.00057 U	0.00063 U	0.00064 U	0.00063 U	3.1 I	NA	NA	NA	NA	NA	NA	NA
A-30	1/12/2012	14-16	6.5	0.00027 U	0.0018 I	0.00057 I	0.0036 I	0.00046 U	0.00065 U	0.00066 U	0.00065 U	3.1 U	NA	NA	NA	NA	NA	NA	NA
A-37	1/12/2012	14-16	16,750	<b>0.072 I</b>	0.15 I	0.037 U	<b>0.29 I</b>	0.053 U	0.00062 U	0.0065 I	0.014	6.4 I	NA	NA	NA	NA	NA	NA	NA
A-44	1/12/2012	14-16	>50,000	<b>1.6 U</b>	<b>300</b>	<b>190</b>	<b>890</b>	<b>2.7 U</b>	<b>8.2</b>	<b>5.6</b>	<b>11</b>	210	NA	NA	NA	NA	NA	NA	NA
A-51	1/12/2012	14-16	76	<b>0.012</b>	0.016	0.014	0.060	0.00051 U	0.0074 I	0.0037 I	0.0080 I	3.3 U	NA	NA	NA	NA	NA	NA	NA
A-55	1/20/2012	14-16	0	0.00024 U	0.00056 U	0.00029 U	0.00091 I	0.00041 U	0.00061 U	0.00062 U	0.00061 U	2.9 U	NA	NA	NA	NA	NA	NA	NA
A-61	1/12/2012	14-16	300	<b>0.30 U</b>	<b>4.0 I</b>	<b>20</b>	<b>120</b>	<b>0.51 U</b>	0.021	0.060	0.13	7.8 I	NA	NA	NA	NA	NA	NA	NA
A-69	1/12/2012	14-16	270	<b>1.1 I</b>	<b>29</b>	<b>14</b>	<b>110</b>	<b>0.54 U</b>	0.014	0.032	0.070	25	NA	NA	NA	NA	NA	NA	NA
A-75	1/12/2012	14-16	31,000	<b>0.31 U</b>	<b>11</b>	<b>8.6</b>	<b>130</b>	<b>0.53 U</b>	0.0040 I	0.018	0.040	29	NA	NA	NA	NA	NA	NA	NA
A-80	1/12/2012	14-16	110	0.0015 U	0.0036 U	0.0018 U	0.0042 U	0.0026 U	0.0017 I	0.0013 I	0.0031 I	2.9 U	NA	NA	NA	NA	NA	NA	NA
SS-1	2/9/2012	14-16	0	0.00071 I	0.0020 I	0.00033 U	0.0012 I	0.00046 U	0.00065 U	0.00067 U	0.00065 U	3.1 U	NA	NA	NA	NA	NA	NA	NA
SS-2	2/9/2012	14-16	0	0.00026 U	0.0023 I	0.00055 I	0.0029 I	0.00044 U	0.00061 U	0.00062 U	0.00061 U	3.0 U	NA	NA	NA	NA	NA	NA	NA
SS-3	2/29/2012	14-16	0	0.0062	0.087	0.033	<b>0.20</b>	0.00039 U	0.00061 U	0.00062 U	0.00061 U	2.9 U	NA	NA	NA	NA	NA	NA	NA
SS-4	2/29/2012	14-16	0	0.00025 U	0.00057 U	0.00029 U	0.00067 U	0.00042 U	0.00061 U	0.00062 U	0.00061 U	3.0 U	NA	NA	NA	NA	NA	NA	NA
SS-5	2/23/2012	14-16	5	0.00030 U	0.00070 U	0.00036 U	0.00083 U	0.00051 U	0.00064 U	0.00065 U	0.00064 U	3.2 I	NA	NA	NA	NA	NA	NA	NA
SS-6	2/23/2012	14-16	15	0.00027 U	0.00062 U	0.00032 U	0.0014 I	0.0014 I	0.00059 U	0.00060 U	0.00059 U	3.3 I	NA	NA	NA	NA	NA	NA	NA
SS-7	2/22/2012	14-16	55	0.00025 U	0.00058 U	0.00030 U	0.00069 U	0.00042 U	0.00062 U	0.00063 U	0.00062 U	10 I	NA	NA	NA	NA	NA	NA	NA
SS-8	2/29/2012	14-16	23	0.00029 U	0.00066 U	0.00034 U	0.0011 I	0.00048 U	0.00058 U	0.00060 U	0.00058 U	26	NA	NA	NA	NA	NA	NA	NA
SS-9	2/9/2010	14-16	0	0.00038 I	0.0011 I	0.00045 U	0.0013 I	0.00064 U	0.00057 U	0.00058 U	0.00057 U	11	NA	NA	NA	NA	NA	NA	NA
Coastal Mart #410																			
Y-3	2/3/2012	14-16	124	0.00025 U	0.0092	0.0095	0.082	0.00042 U	0.00063 U	0.00064 U	0.0016 I	3.0 U	NA	NA	NA	NA	NA	NA	NA
D-10	2/3/2012	14-16	548	<b>0.068 I</b>	0.34	0.18 I	1.1	<b>0.25 I</b>	0.00072 U	0.0045 I	0.0074 I	7.5 I	NA	NA	NA	NA	NA	NA	NA
A-9	2/3/2012	14-16	>3,600	<b>0.72</b>	<b>2.9</b>	<b>0.85</b>	<b>5.8</b>	<b>0.44 I</b>	0.11	0.15	0.32	15	NA	NA	NA	NA	NA	NA	NA
H-6	2/15/2012	14-16	260	<b>0.053</b>	0.015	0.021	0.14	0.021 U	0.00056 U	0.00057 U	0.00056 U	2.7 U	NA	NA	NA	NA	NA	NA	NA
I-4	2/15/2012	14-16	>50,000	<b>1.2 I</b>	<b>5.9</b>	<b>1.6 I</b>	<b>11</b>	<b>0.48 U</b>	0.0014 I	0.0043 I	0.0075 I	20	NA	NA	NA	NA	NA	NA	NA
J-2	2/22/2012	14-16	2,145	0.018 U	<b>0.66</b>	<b>1.8</b>	<b>17</b>	0.030 U	0.010	0.027	0.037	22	NA	NA	NA	NA	NA	NA	NA
J-7	2/22/2012	14-16	7	0.0015 I	0.00068 U	0.00038 I	0.0056 I	0.00050 U	0.00068 U	0.00013 I	0.00014 I	3.3 U	NA	NA	NA	NA	NA	NA	NA
L-4	2/22/2012	14-16	32	<b>0.058</b>	0.0036 I	0.012	0.11	<b>0.098</b>	0.00083 U	0.0034 I	0.0067 I	11 I	NA	NA	NA	NA	NA	NA	NA
N-1	2/29/2012	14-16	155	<b>28</b>	<b>300</b>	<b>99</b>	<b>580</b>	0.48 U	<b>10</b>	<b>5.5</b>	<b>11</b>	<b>1,400</b>	NA	920	690	<b>1200</b>	45	1.9 U	95
G-1	3/1/2012	14-16	1	0.00033 I	0.00095 I	0.00029 U	0.00066 U	0.00041 U	0.00062 U	0.00063 U	0.00062 U	2.9 U	NA	NA	NA	NA	NA	NA	NA
L-12	3/2/2012	14-16	18,928	<b>0.13 I</b>	<b>5.8</b>	<b>3.6</b>	<b>22</b>	0.045 U	0.05	0.061	0.11	3.1 U	NA	NA	NA	NA	NA	NA	NA

TABLE 3: Groundwater Elevation Summary

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility

All Measurements = Feet  
NM = Not Measured  
NA = Not Applicable / Not Available  
CNL = Could Not Locate  
\* = Historical Data

WELL NO.	LB-06			MW-1S			MW-1R			MW-2S			MW-3S			MW-4S		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	18			23			22			25			17			24		
SCREEN INTERVAL	13-18			13-23			5-22			15-25			7-17			14-24		
TOC ELEVATION	147.67			146.07			146.29			147.51			140.17			144.33		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	NM	NM		126.24	19.83		NM	NM		126.14	21.37		125.03	15.14		126.03	18.3	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	NM	NM		129.53	16.54		NM	NM		133.13	14.38		133.75	6.42		132.30	12.03	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	NM	NM		131.50	14.57		NM	NM		131.23	16.28		131.81	8.36		130.88	13.45	
11/13/2003*	NM	NM		129.67	16.4		NM	NM		129.89	17.62		129.60	10.57		129.77	14.56	
2/18/2004*	NM	NM		128.07	18		NM	NM		NM	NM		126.81	13.36		128.36	15.97	
6/28/2004*	NM	NM		128.07	18		NM	NM		127.94	19.57		126.60	13.57		127.88	16.45	
10/6/2004*	NM	NM		134.90	11.17		NM	NM		135.05	12.46		134.03	6.14		135.44	8.89	
05/04/05	NM	NM		NM	NM		134.34	11.95		NM	NM		NM	NM		NM	NM	
05/06/05	NM	NM		NM	NM		NM	NM		135.06	12.45		NM	NM		134.93	9.4	
05/17/05	NM	NM		NM	NM		134.84	11.45		NM	NM		NM	NM		NM	NM	
09/21/05	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		132.68	11.65	
06/06/06	NM	NM		NM	NM		NM	NM		NM	NM		124.42	15.75		NM	NM	
08/30/06	NM	NM		NM	NM		CNL	CNL		128.54	18.97		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		NM	NM		126.49	21.02		NM	NM		126.22	18.11	
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM		CNL	CNL		NM	NM	
06/20/07	NM	NM		NM	NM		NM	NM		126.37	21.14		NM	NM		126.20	18.13	
09/10/07	NM	NM		NM	NM		NM	NM		126.26	21.25		NM	NM		126.19	18.14	
12/11/07	NM	NM		NM	NM		NM	NM		126.57	20.94		NM	NM		126.33	18	
01/30/08	NM	NM		NM	NM		NM	NM		126.40	21.11		CNL	CNL		126.53	17.8	
03/12/08	NM	NM		NM	NM		NM	NM		127.75	19.76		NM	NM		123.60	20.73	
06/30/08	NM	NM		NM	NM		NM	NM		127.59	19.92		NM	NM		127.33	17.00	
09/24/08	NM	NM		NM	NM		NM	NM		130.26	17.25		NM	NM		130.59	13.74	
01/06/09	NM	NM		NM	NM		NM	NM		128.15	19.36		NM	NM		128.28	16.05	
08/09/10	NM	NM		NM	NM		132.88	13.41		132.84	14.67		NM	NM		133.11	11.22	
06/14/11	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		128.82	15.51	
07/19/11	NM	NM		NM	NM		NM	NM		128.37	19.14		NM	NM		NM	NM	
07/30/12	NM	NM		NM	NM		NM	NM		NM	CNL		NM	NM		Abandoned		
11/05/12	NM	NM		NM	NM		NM	NM		NM	CNL		NM	NM		Abandoned		
03/07/13	NM	NM		NM	NM		NM	NM		131.51	16.00		NM	NM		Abandoned		
01/20/14	NM	NM		NM	NM		NM	NM		132.36	15.15		NM	NM		Abandoned		
09/09/15	NM	NM		NM	NM		CNL			135.05	12.46		NM	NM		Abandoned		
12/17/16	NM	NM		NM	NM		CNL			130.89	16.62		CNL			Abandoned		
03/24/16	NM	NM		NM	NM		CNL			132.81	14.70		CNL			Abandoned		
06/23/16	NM	NM		NM	NM		CNL			132.26	15.25		CNL			Abandoned		
09/14/16	NM	NM		NM	NM		CNL			133.19	14.32		CNL			Abandoned		
12/12/16	NM	NM		NM	NM		CNL			131.71	15.80		CNL			Abandoned		
03/28/17	NM	NM		NM	NM		NM	NM		130.15	17.36		NM	NM		Abandoned		
07/14/17	NM	NM		NM	NM		NM	NM		132.20	15.31		NM	NM		Abandoned		
10/10/17	NM	NM		NM	NM		NM	NM		131.69	15.82		NM	NM		Abandoned		
01/17/18	NM	NM		NM	NM		NM	NM		133.19	14.32		NM	NM		Abandoned		
04/12/18	NM	NM		NM	NM		NM	NM		132.95	14.56		NM	NM		Abandoned		
07/17/18	NM	NM		NM	NM		NM	NM		132.21	15.30		NM	NM		Abandoned		
10/22/18	NM	NM		NM	NM		NM	NM		131.80	15.71		NM	NM		Abandoned		
02/28/19	NM	NM		NM	NM		NM	NM		133.95	13.56		NM	NM		Abandoned		
05/23/19	NM	NM		NM	NM		NM	NM		131.97	15.54		NM	NM		Abandoned		
09/18/19	NM	NM		NM	NM		NM	NM		133.10	14.41		NM	NM		Abandoned		
12/11/19	NM	NM		NM	NM		NM	NM		obstruction at 15.47'			NM	NM		Abandoned		
03/25/20	NM	NM		NM	NM		NM	NM		obstruction at 15.45'			NM	NM		Abandoned		
06/17/20	NM	NM		NM	NM		NM	NM		obstruction at 15.45'			NM	NM		Abandoned		

WELL NO.	MW-5S			MW-6S			MW-6R			MW-7S			MW-7R			MW-8S		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	26			25			22			24			22			25		
SCREEN INTERVAL	16-26			15-25			5-22			14-24			5-22			15-25		
TOC ELEVATION	146.27			145.79			145.46			145.1			147.04			145.36		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	124.56	21.71		124.26	21.53		NM	NM		125.93	19.17		NM	NM		123.96	21.4	
2/5/2003*	131.29	14.98		131.48	14.31		NM	NM		NM	NM		NM	NM		128.77	16.59	
3/17/2003*	133.09	13.18		133.83	11.96		NM	NM		132.52	12.58		NM	NM		129.35	16.01	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	131.05	15.22		131.33	14.48		NM	NM		130.69	14.41		NM	NM		128.06	17.3	
11/13/2003*	130.05	16.22		129.11	16.68		NM	NM		129.66	15.44		NM	NM		130.43	14.93	
11/4/2003*	128.47	17.8		128.74	17.05		NM	NM		128.05	17.05		NM	NM		128.88	16.48	
6/28/2004*	128.03	18.24		128.21	17.58		NM	NM		127.72	17.38		NM	NM		128.34	17.02	
10/6/2004*	135.71	10.56		135.64	10.15		NM	NM		135.13	9.97		NM	NM		136.01	9.35	
05/04/05	NM	NM		NM	NM		134.71	10.75		NM	NM		136.34	10.7		NM	NM	
05/17/05	NM	NM		NM	NM		135.46	10		NM	NM		136.99	10.05		NM	NM	
09/21/05	132.96	13.31		NM	NM		NM	NM		NM	NM		NM	NM		132.98	12.38	
06/06/06	NM	NM		NM	NM		130.00	15.46		129.95	15.15		131.58	15.46	0.58	NM	NM	
08/30/06	128.37	17.9		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		126.51	18.85	
04/03/07	NM	NM		NM	NM		127.92	17.54		NM	NM		129.85	17.39		NM	NM	
06/20/07	126.36	19.91	4.70	NM	NM		126.25	19.21		126.29	18.81	0.16	128.23	18.81	0.16	126.55	18.81	
09/10/07	124.83	21.44	2.10	NM	NM		126.16	19.30		NM	NM		128.24	18.80		125.21	20.15	1.82
12/11/07	126.13	20.14	0.78	NM	NM		126.21	19.25		NM	NM		128.44	18.60		126.31	19.05	0.50
01/30/08	126.36	19.91	0.52	NM	NM		126.36	19.10		NM	NM		128.57	18.47		126.78	18.58	0.28
03/12/08	128.17	18.10	0.21	NM	NM		128.26	17.20		NM	NM		130.27	16.77		129.04	16.32	
06/30/08	127.52	18.75		NM	NM		127.16	18.30		NM	NM		129.45	17.59		127.64	17.72	0.05
09/24/08	130.72	15.55		NM	NM		130.65	14.81		NM	NM		132.52	14.52		131.13	14.23	
01/06/09	128.42	17.85		NM	NM		128.57	16.89		NM	NM		130.33	16.71		128.65	16.71	
08/09/10	126.48	19.79		NM	NM		CNL	CNL		NM	NM		134.72	12.32		133.63	11.73	
06/14/11	122.32	23.95		NM	NM		128.75	16.71		NM	NM		130.72	16.32		129.11	16.25	
07/30/12				Abandoned						Abandoned						Abandoned		

**TABLE 3: Groundwater Elevation Summary**

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility

All Measurements = Feet  
NM = Not Measured  
NA = Not Applicable / Not Available  
CNL = Could Not Locate  
\* = Historical Data

WELL NO.	MW-12S			MW-13S			MW-14S			MW-15S			MW-16S			MW-18S		
WELL DEPTH	20			28			27			20			20			40		
SCREEN INTERVAL	10-20			18-28			17-27			10-20			10-20			30-40		
TOC ELEVATION	139.97			147.67			147.01			138.97			138.6			140.35		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	124.59	15.38		NM	NM		NM	NM		NM	NM		NM	NM		126.15	14.2	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	133.07	6.9		NM	NM		NM	NM		NM	NM		NM	NM		135.24	5.11	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	130.07	9.9		NM	NM		NM	NM		NM	NM		NM	NM		131.58	8.77	
11/13/2003*	128.66	11.31		NM	NM		NM	NM		NM	NM		NM	NM		129.10	11.25	
2/18/2004*	127.66	12.31		NM	NM		NM	NM		NM	NM		NM	NM		122.61	17.74	
6/28/2004*	126.61	13.36		NM	NM		NM	NM		NM	NM		130.00	8.6		127.98	12.37	
10/6/2004*	134.45	5.52		NM	NM		NM	NM		NM	NM		NM	NM		135.34	5.01	
09/22/05	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		132.08	8.27	
06/06/06	NM	NM		NM	NM		NM	NM		NM	NM		131.49	7.11		NM	NM	
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM		132.33	6.27		NM	NM	
06/20/07	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
09/10/07	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
12/11/07	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
01/30/08	NM	NM		125.27	22.4		NM	NM		NM	NM		132.37	6.23		127.15	13.2	
08/09/10	NM	NM		134.12	13.55		NM	NM		NM	NM		NM	NM		NM	NM	

WELL NO.	MW-19S			MW-20S			MW-21S			MW-22S			MW-23S			MW-24S		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	19			25			23			23			27			26		
SCREEN INTERVAL	9-19			15-25			13-23			13-23			17-27			16-26		
TOC ELEVATION	141.9			146.94			142.09			137.09			148.03			147.85		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	NM	NM		NM	NM		126.00	16.09		NM	NM		blocked	at 2.5 ft.		126.55	21.3	
2/5/2003*	NM	NM		NM	NM		125.04	17.05		NM	NM		blocked	at 2.5 ft.		131.58	16.27	
3/17/2003*	NM	NM		NM	NM		NM	NM		NM	NM		blocked	at 2.5 ft.		134.51	13.34	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		134.41	13.44	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		blocked	at 2.5 ft.		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		blocked	at 2.5 ft.		NM	NM	
6/2/2003*	NM	NM		NM	NM		131.09	11		NM	NM		blocked	at 2.5 ft.		132.14	15.71	
11/13/2003*	129.19	12.71		NM	NM		129.57	12.52		NM	NM		blocked	at 2.5 ft.		NM	NM	
2/18/2004*	NM	NM		NM	NM		128.07	14.02		NM	NM		blocked	at 2.5 ft.		NM	NM	
6/28/2004*	128.02	13.88		NM	NM		127.71	14.38		NM	NM		blocked	at 2.5 ft.		129.02	18.83	
10/6/2004*	135.55	6.35		NM	NM		NM	NM		NM	NM		NM	NM		135.90	11.95	
06/06/06	129.96	11.94		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
11/30/06	126.11	15.79		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
03/26/07	127.56	14.34		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
06/20/07	120.76	21.14		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
09/10/07	126.23	15.67		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
12/11/07	126.61	15.29		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
01/30/08	127.26	14.64		NM	NM		NM	NM		NM	NM		blocked	at 18 ft		119.85	28	
03/13/08	129.47	12.43		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
06/30/08	127.66	14.24		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
09/24/08	130.89	11.01		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
01/06/09	128.48	13.42		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
08/09/10	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		133.79	14.06	
07/19/11	NM	NM		NM	NM		NM	NM		NM	NM		126.68	19.35		NM	NM	
07/30/12	NM	NM		NM	NM		NM	NM		NM	NM		Abandoned			NM	NM	

WELL NO.	MW-25S			MW-26S			MW-29S			MW-30S			MW-31S			MW-32S		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	18			18			15			25			15			32		
SCREEN INTERVAL	8-18			8-18			5-15			15-25			5-15			22-32		
TOC ELEVATION	142.14			142.01			142.01			143.05			138.44			139.05		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	125.19	16.95		126.17	15.84	15.7	126.58	15.43		126.28	16.77		125.66	12.78		126.15	12.9	
2/5/2003*	NM	NM		130.51	11.5		130.45	11.56		NM	NM		NM	NM		NM	NM	
3/17/2003*	134.54	7.6		NM	NM		135.31	6.7		NM	NM		NM	NM		134.56	4.49	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	131.79	10.35		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
11/13/2003*	129.98	12.16		128.06	13.95		128.65	13.36		NM	NM		NM	NM		129.05	10	
2/18/2004*	129.51	12.63		128.06	13.95		129.61	12.4		NM	NM		NM	NM		128.82	10.23	
6/28/2004*	128.57	13.57		127.63	14.38		128.61	13.4		128.15	14.9		NM	NM		127.64	11.41	
10/6/2004*	136.57	5.57		134.46	7.55		135.93	6.08		NM	NM		NM	NM		134.50	4.55	
09/22/05	NM	NM		NM	NM		132.20	9.81		NM	NM		NM	NM		NM	NM	
06/06/06	CNL	CNL		129.72	12.29	0.16	NM	NM		NM	NM		CNL	CNL		129.27	9.78	
11/30/06	NM	NM		NM	NM		CNL	CNL		NM	NM		NM	NM		NM	NM	
03/26/07	NM	NM		127.12	14.89	0.28	NM	NM		123.95	19.1		NM	NM		127.19	11.86	
06/20/07	NM	NM		125.98	16.03	0.2	NM	NM		NM	NM		NM	NM		125.36	13.69	
09/10/07	NM	NM		126.72	15.29		NM	NM		NM	NM		NM	NM		120.86	18.19	
12/11/07	NM	NM		126.86	15.15		NM	NM		NM	NM		NM	NM		NM	NM	
01/30/08	NM	NM		127.81	14.2		NM	NM		NM	NM		NM	NM		126.72	12.33	
03/13/08	NM	NM		130.11	11.9		NM	NM		NM	NM		NM	NM		NM	NM	
06/30/08	NM	NM		127.66	14.35		NM	NM		NM	NM		NM	NM		NM	NM	
09/24/08	NM	NM		131.23	10.78		NM	NM		NM	NM		NM	NM		NM	NM	
01/06/09	NM	NM		129.08	12.93		NM	NM		NM	NM		NM	NM		NM	NM	
08/09/10	NM	NM		NM	NM		NM	NM		133.37	9.68		NM	NM		NM	NM	

TABLE 3: Groundwater Elevation Summary

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility

All Measurements = Feet  
 NM = Not Measured  
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WELL NO.	MW-33S			MW-34S			MW-35S			MW-36S			MW-37S			MW-43S		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	14			14			19			19			14			27		
SCREEN INTERVAL	5-15			4-14			9-19			9-19			4-14			17-27		
TOC ELEVATION	143.43			143.73			143.22			142.53			142.85			145.01		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	DRY	DRY		DRY	DRY		NM	NM		126.26	16.27		130.07	12.78		NM	NM	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		131.42	13.59	
3/17/2003*	135.52	7.91		135.05	8.68		NM	NM		NM	NM		136.25	6.6		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	132.08	11.35		131.59	12.14		NM	NM		132.01	10.52		NM	NM		131.84	13.17	
11/13/2003*	129.78	13.65		129.87	13.86		NM	NM		129.43	13.1		133.81	9.04		NM	NM	
2/18/2004*	129.43	14		NM	NM		128.81	14.41		NM	NM		128.94	13.91		NM	NM	
6/28/2004*	128.66	14.77		NM	NM		NM	NM		NM	NM		133.62	9.23		NM	NM	
10/6/2004*	135.53	7.9		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
09/22/05	132.30	11.13		132.29	11.44		NM	NM		NM	NM		NM	NM		CNL	CNL	
08/30/06	NM	NM		NM	NM		128.14	15.08		NM	NM		132.98	9.87		NM	NM	
11/30/06	NM	NM		DRY	DRY		NM	NM		126.30	16.23		NM	NM		NM	NM	
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
06/20/07	DRY	DRY		NM	NM		NM	NM		125.10	17.43		NM	NM		NM	NM	
09/10/07	DRY	DRY		NM	NM		NM	NM		126.41	16.12		NM	NM		NM	NM	
12/11/07	DRY	DRY		NM	NM		NM	NM		126.60	15.93		NM	NM		NM	NM	
01/30/08	DRY	DRY		DRY	DRY		127.25	15.97		127.26	15.27		132.93	9.92		NM	NM	
03/14/08	129.12	14.31		NM	NM		NM	NM		129.43	13.1		NM	NM		NM	NM	
06/30/08	DRY	DRY		NM	NM		NM	NM		127.69	14.84		NM	NM		NM	NM	
09/24/08	131.40	12.03		NM	NM		NM	NM		131.01	11.52		NM	NM		NM	NM	
01/06/09	128.88	14.55		NM	NM		NM	NM		128.51	14.02		NM	NM		NM	NM	

WELL NO.	MW-44S			MW-45S			MW-46S			MW-47S			MW-48S			MW-51S		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	25			24			25			20			25			28		
SCREEN INTERVAL	15-25			14-24			15-25			10-20			15-25			18-28		
TOC ELEVATION	143.71			145.5			145.23			144.65			146.02			144.29		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	126.49	17.22		NM	NM		NM	NM		126.47	18.18		NM	NM		NM	NM	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	135.43	8.28		NM	NM		NM	NM		135.62	9.03		NM	NM		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	131.95	11.76		NM	NM		NM	NM		132.11	12.54		NM	NM		NM	NM	
11/13/2003*	129.90	13.81		NM	NM		NM	NM		132.90	11.75		NM	NM		NM	NM	
2/18/2004*	129.01	14.7		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/28/2004*	128.71	15		NM	NM		NM	NM		128.77	15.88		NM	NM		NM	NM	
10/6/2004*	136.06	7.65		NM	NM		NM	NM		135.98	8.67		NM	NM		NM	NM	
06/06/06	130.18	13.53		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
08/30/06	128.50	15.21		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		NM	NM		126.54	18.11		NM	NM		NM	NM	
03/26/07	128.15	15.56		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
06/20/07	126.43	17.28		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
09/10/07	126.71	17.00		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
12/11/07	126.89	16.82		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
01/30/08	127.52	16.19		NM	NM		127.68	17.55		127.61	17.04		NM	NM		NM	NM	
03/14/08	129.72	13.99		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
06/30/08	128.02	15.69		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
09/24/08	131.37	12.34		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
01/06/09	128.81	14.90		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	

WELL NO.	MW-52S			MW-53S			MW-54S			MW-31			MW-41			MW-141		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	18			18			17			56			63			63		
SCREEN INTERVAL	8-18			8-18			7-17			35-50			51-66			53-63		
TOC ELEVATION	146.59			145			146.32			144.96			143.85			147.17		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	NM	NM		NM	NM		NM	NM		NM	NM		121.07	22.78		NM	NM	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	NM	NM		NM	NM		NM	NM		NM	NM		129.96	13.89		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	NM	NM		NM	NM		NM	NM		130.98	13.98		126.02	17.83		NM	NM	
11/13/2003*	NM	NM		NM	NM		NM	NM		129.54	15.42		124.52	19.33		NM	NM	
2/18/2004*	NM	NM		NM	NM		NM	NM		128.70	16.26		123.65	20.2		NM	NM	
6/28/2004*	NM	NM		NM	NM		NM	NM		NM	NM		122.57	21.28		NM	NM	
10/6/2004*	NM	NM		NM	NM		NM	NM		135.18	9.78		130.25	13.6		NM	NM	
07/30/12	NM	NM		NM	NM		NM	NM		NM	NM		Abandoned			NM	NM	

**TABLE 3: Groundwater Elevation Summary**

Facility Name: **Shadd Property & Coastal Mart (aka Sunrise Food Mart)**  
 Lake Butler, Union County, Florida

Facility ID#: **63 9807182** Shadd Facility

All Measurements = Feet  
 NM = Not Measured  
 NA = Not Applicable / Not Available  
 CNL = Could Not Locate  
 \* = Historical Data

WELL NO.	MW-21I			MW-22I			MW-27I			MW-28I			MW-31I			MW-32I		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	45			40			40			40			35			55		
SCREEN INTERVAL	35-45			30-40			30-40			30-40			25-35			45-55		
TOC ELEVATION	142.32			137.12			143.13			140.54			138.38			138.97		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	121.01	21.31		NM	NM		NM	NM		NM	NM		120.95	17.43		121.74	17.23	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	129.78	12.54		NM	NM		NM	NM		NM	NM		129.75	8.63		124.78	14.19	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	125.77	16.55		NM	NM		NM	NM		125.84	14.7		NM	NM		126.05	12.92	
11/13/2003*	124.39	17.93		NM	NM		NM	NM		124.52	16.02		NM	NM		126.37	12.6	
2/18/2004*	123.67	18.65		NM	NM		NM	NM		123.69	16.85		NM	NM		125.47	13.5	
6/28/2004*	122.98	19.34		NM	NM		NM	NM		NM	NM		NM	NM		123.72	15.25	
10/6/2004*	NM	NM		NM	NM		NM	NM		130.14	10.4		NM	NM		126.15	12.82	
09/22/05	NM	NM		NM	NM		NM	NM		127.63	12.91		NM	NM		NM	NM	
06/06/06	124.10	18.22		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
08/30/06	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		122.44	16.53	
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	

WELL NO.	MW-33I			MW-38I			MW-39I			MW-40I			MW-41I			MW-42I		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	48			37			40			40			45			40		
SCREEN INTERVAL	38-48			27-37			30-40			30-40			35-45			30-40		
TOC ELEVATION	143.4			141.85			142.63			135.54			137.43			142.22		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	121.07	22.33		121.12	20.73		NM	NM		121.71	13.83		120.98	16.45		120.94	21.28	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	129.88	13.52		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	125.85	17.55		125.93	15.92		125.85	16.78		NM	NM		NM	NM		125.82	16.4	
11/13/2003*	124.45	18.95		124.48	17.37		NM	NM		NM	NM		CNL	CNL		NM	NM	
2/18/2004*	123.73	19.67		123.66	18.19		NM	NM		NM	NM		CNL	CNL		NM	NM	
6/28/2004*	NM	NM		122.51	19.34		NM	NM		NM	NM		122.45	14.98		NM	NM	
10/6/2004*	130.20	13.2		130.19	11.66		NM	NM		NM	NM		NM	NM		NM	NM	
08/30/06	NM	NM		122.24	19.61		NM	NM		NM	NM		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	

WELL NO.	MW-49I			MW-50I			MW-51I			MW-55I			MW-56I			MW-57I		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	43			40			50			NM			NM			NM		
SCREEN INTERVAL	33-43			30-40			40-50			NM			NM			NM		
TOC ELEVATION	143.65			142.65			142.85			NM			NM			NM		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	NM	NM		NM	NM		NM	NM			16		NM	NM		NM	NM	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	NM	NM		NM	NM		NM	NM		NM	NM			10.52		NM	NM	
11/13/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
2/18/2004*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/28/2004*	122.20	21.45		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
10/6/2004*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
07/30/12	NM	NM		NM	NM		NM	NM		NM	9.07		NM	NM		NM	NM	
11/05/12	NM	NM		NM	NM		NM	NM		NM	9.75		NM	NM		NM	NM	
03/07/13	NM	NM		NM	NM		NM	NM		NM	10.85		NM	NM		NM	NM	
01/20/14	NM	NM		NM	NM		NM	NM		NM	10.25		NM	NM		NM	NM	
07/14/17	NM	NM		NM	NM		NM	NM		NM	11.11		NM	NM		NM	NM	
07/17/18	NM	NM		NM	NM		NM	NM		NM	7.87		NM	NM		NM	NM	

TABLE 3: Groundwater Elevation Summary

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility

All Measurements = Feet  
 NM = Not Measured  
 NA = Not Applicable / Not Available  
 CNL = Could Not Locate  
 \* = Historical Data

WELL NO.	MW-1D			MW-4D			MW-12D			MW-18D			MW-22D			MW-2SR		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	53			85			57			75			80			25		
SCREEN INTERVAL	48-53			80-85			52-57			70-75			75-80			10-25		
TOC ELEVATION	146.37			144.18			140.1			140.6			137.35			146.04		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
1/23/2002*	121.10	25.27		121.09	23.09		NM	NM		NM	NM		NM	NM		NM	NM	
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
3/17/2003*	NM	NM		128.93	15.25		129.82	10.28		NM	NM		NM	NM		NM	NM	
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/2/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
11/13/2003*	124.46	21.91		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
2/18/2004*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
6/28/2004*	NM	NM		122.60	21.58		122.38	17.72		NM	NM		NM	NM		NM	NM	
10/6/2004*	NM	NM		NM	NM		130.10	10		NM	NM		NM	NM		NM	NM	
09/21/05	NM	NM		127.58	16.6		NM	NM		NM	NM		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
01/30/08	NM	NM		NM	NM		NM	NM		120.86	19.74		NM	NM		NM	NM	
07/30/12	Abandoned			Abandoned			CNL	CNL		NM	NM		NM	NM		NM	NM	

WELL NO.	MW-58S			MW-59S			MW-60S			MW-61S			MW-62S		
DIAMETER (INCH)	2			2			2			2			2		
WELL DEPTH	22			22			22			22			22		
SCREEN INTERVAL	5-22			5-22			5-22			5-22			5-22		
TOC ELEVATION	147.98			147			147.49			147.04			148.16		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
05/04/05	134.73	13.25		135.05	11.95		NM	NM		134.34	12.7		134.61	13.55	
05/17/05	NM	NM		135.70	11.3		135.49	12		134.94	12.1		135.16	13	
06/06/06	NM	NM		NM	NM		NM	NM		NM	NM		130.00	18.16	
08/30/06	NM	NM		128.35	18.65		NM	NM		NM	NM		NM	NM	
11/30/06	NM	NM		NM	NM		126.70	20.79		126.40	20.64		NM	NM	
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM	
06/20/07	NM	NM		NM	NM		126.74	20.75		NM	NM		DRY	DRY	
09/10/07	NM	NM		NM	NM		126.74	20.75		NM	NM		DRY	DRY	
12/11/07	NM	NM		NM	NM		127.10	20.39		NM	NM		DRY	DRY	
01/30/08	NM	NM		127.07	19.93		127.92	19.57		125.51	21.53		DRY	DRY	
03/13/08	NM	NM		NM	NM		128.22	19.27		NM	NM		128.13	20.03	
06/30/08	NM	NM		NM	NM		127.84	19.65		NM	NM		127.73	20.43	
09/24/08	NM	NM		NM	NM		130.87	16.62		NM	NM		130.53	17.63	
01/06/09	NM	NM		NM	NM		128.50	18.99		NM	NM		128.32	19.84	
08/09/10	132.60	15.38		NM	NM		133.50	13.99		132.95	14.09		133.19	14.97	
07/19/11	NM	NM		NM	NM		128.76	18.73		NM	NM		128.56	19.6	
07/30/12	Abandoned			NM	NM		NM	NM		Abandoned			Abandoned		
11/05/12	Abandoned			NM	NM		133.52	13.97		Abandoned			Abandoned		
03/07/13	Abandoned			NM	NM		132.17	15.32		Abandoned			Abandoned		
01/20/14	Abandoned			NM	NM		133.16	14.33		Abandoned			Abandoned		

WELL NO.	MW-63S			MW-64S			MW-66S			MW-26C			MW-27C			MW-2SR		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	22			22			25			25.33			25			25		
SCREEN INTERVAL	5-22			5-22			5-25			10-25			10-25			10-25		
TOC ELEVATION	146.61			146.16			143			147.89			147.94			146.04		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
04/02/03	NM	NM		NM	NM		NM	NM		133.72	14.17		133.87	14.07				
05/04/05	NM	NM		NM	NM		134.30	8.7		NM	NM		NM	NM				
05/05/05	NM	NM		134.66	11.5		NM	NM		NM	NM		NM	NM				
05/06/05	136.31	10.3		NM	NM		NM	NM		NM	NM		NM	NM				
05/17/05	NM	NM		NM	NM		134.95	8.05		NM	NM		NM	NM				
08/30/06	NM	NM		NM	NM		128.31	14.69		NM	NM		NM	NM				
11/30/06	127.37	19.24		NM	NM		NM	NM		NM	NM		NM	NM				
03/26/07	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM				
01/30/08	127.14	19.47		126.28	19.88		126.43	16.57		NM	NM		NM	NM				
08/09/10	134.96	11.65		133.20	12.96		130.17	12.83		133.44	14.45		133.51	14.43				
07/19/11	130.17	16.44		NM	NM		NM	NM		NM	NM		NM	NM				
07/30/12	134.78	11.83		NM	NM		Abandoned			Abandoned			Abandoned					
11/05/12	134.01	12.6		NM	NM		Abandoned			Abandoned			Abandoned					
01/20/14	133.77	12.84		NM	NM		Abandoned			Abandoned			Abandoned					
09/09/15	136.81	9.80		NM	NM		Abandoned			Abandoned			Abandoned					
12/17/15	131.93	14.68		NM	NM		Abandoned			Abandoned			Abandoned					
03/24/16	134.41	12.20		NM	NM		Abandoned			Abandoned			Abandoned					
06/23/16	134.85	11.76		NM	NM		Abandoned			Abandoned			Abandoned					
09/14/16	135.10	11.51		NM	NM		Abandoned			Abandoned			Abandoned					
12/12/16	132.97	13.64		NM	NM		Abandoned			Abandoned			Abandoned					
03/28/17	131.13	15.48		NM	NM		Abandoned			Abandoned			Abandoned					
07/14/17	133.82	12.79		NM	NM		Abandoned			Abandoned			Abandoned					
10/10/17	136.65	9.96		NM	NM		Abandoned			Abandoned			Abandoned					
01/17/18	134.70	11.91		NM	NM		Abandoned			Abandoned			Abandoned					
04/12/18	135.09	11.52		NM	NM		Abandoned			Abandoned			Abandoned					
07/17/18	134.99	11.62		NM	NM		Abandoned			Abandoned			Abandoned					
10/22/18	135.06	11.55		NM	NM		Abandoned			Abandoned			Abandoned					
02/28/19	135.71	10.90		NM	NM		Abandoned			Abandoned			Abandoned					
05/23/19	134.13	12.48		NM	NM		Abandoned			Abandoned			Abandoned					
09/18/19	134.78	11.83		NM	NM		Abandoned			Abandoned			Abandoned					
12/11/19	133.03	13.58		NM	NM		Abandoned			Abandoned			Abandoned					
03/25/20	133.37	13.24		NM	NM		Abandoned			Abandoned			Abandoned					
06/17/20	134.64	11.97		NM	NM		Abandoned			Abandoned			Abandoned					
03/29/22	137.25	9.36		NM	NM		Abandoned			Abandoned			Abandoned			133.45	12.59	

TABLE 3: Groundwater Elevation Summary

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart) Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility

All Measurements = Feet  
 NM = Not Measured  
 NA = Not Applicable / Not Available  
 CNL = Could Not Locate  
 \* = Historical Data

WELL NO.	MW-28C			MW-29C			MW-30C			MW-31C									
DIAMETER (INCH)	2			2			2			2									
WELL DEPTH	25.38			23.95			25			25									
SCREEN INTERVAL	10-25			9-24			10-25			10-25									
TOC ELEVATION	148.32			148.08			147.46			148.14									
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	
04/02/03	134.07	14.25		134.20	13.88		134.34	13.12		134.32	13.82								
06/06/06	129.82	18.5		NM	NM		NM	NM		NM	NM								
08/30/06	NM	NM		NM	NM		NM	NM		128.72	19.42								
11/30/06	NM	NM		NM	NM		NM	NM		NM	NM								
03/26/07	127.84	20.48		NM	NM		NM	NM		NM	NM								
12/11/07	NM	NM		NM	NM		CNL	CNL		NM	NM								
03/14/08	NM	NM		128.79	19.29		NM	NM		NM	NM								
06/30/08	NM	NM		NM	NM		128.01	19.45		NM	NM								
09/24/08	NM	NM		NM	NM		131.14	16.32		NM	NM								
01/06/09	NM	NM		NM	NM		128.65	18.81		NM	NM								
08/09/10	NM	NM		NM	NM		134.02	13.44		133.72	14.42								
07/19/11	NM	NM		NM	NM		128.92	18.54		NM	NM								
07/30/12	NM	NM		NM	NM		134.66	12.6		134.40	13.74								
11/05/12	NM	NM		NM	NM		133.91	13.55		133.54	14.6								
03/07/13	NM	NM		NM	NM		132.41	15.05		132.26	15.88								
01/20/14	NM	NM		NM	NM		134.04	13.42		NM	NM								
09/09/15	NM	NM		NM	NM		134.60	12.86		NM	NM								
12/17/15	NM	NM		NM	NM		130.96	16.5		NM	NM								
03/24/16	NM	NM		NM	NM		133.71	13.75		NM	NM								
06/23/16	NM	NM		NM	NM		133.66	13.8		NM	NM								
09/14/16	NM	NM		NM	NM		134.10	13.36		NM	NM								
12/12/16	NM	NM		NM	NM		133.01	14.45		NM	NM								
03/28/17	NM	NM		NM	NM		129.75	17.71		NM	NM								
07/14/17	NM	NM		NM	NM		133.09	14.37		NM	NM								
10/10/17	NM	NM		NM	NM		134.71	12.75		NM	NM								
01/17/18	NM	NM		NM	NM		134.09	13.37		NM	NM								
04/12/18	NM	NM		NM	NM		134.25	13.21		NM	NM								
07/17/18	NM	NM		NM	NM		134.21	13.25		NM	NM								
10/22/18	NM	NM		NM	NM		133.67	13.79		NM	NM								
02/28/19	NM	NM		NM	NM		135.01	12.45		NM	NM								
05/23/19	NM	NM		NM	NM		132.92	14.54		NM	NM								
09/18/19	NM	NM		NM	NM		134.19	13.27		NM	NM								
12/11/19	NM	NM		NM	NM		131.81	15.65		NM	NM								
03/25/20	NM	NM		NM	NM		132.08	15.38		NM	NM								
06/17/20	NM	NM		NM	NM		133.21	14.25		NM	NM								
03/29/22	NM	NM		NM	NM		136.42	11.04		NM	NM								

WELL NO.	MW-3S			MW-3SR			MW-38SR			MW-67S			MW-3IR			MW-22IR			
DIAMETER (INCH)	2			2			2			2			45			50			
WELL DEPTH	23			22			25			25			45			50			
SCREEN INTERVAL	13-23			7-22			10-25			10-25			35-45			40-50			
TOC ELEVATION	142.29			140.51			141.57			140.68			140.55			140.38			
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	
1/23/2002*	126.19	16.10		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
2/5/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
3/17/2003*	133.99	8.30		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
4/21/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
5/19/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
6/2/2003*	131.13	11.16		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
11/13/2003*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
11/4/2003*	128.35	13.94		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
6/28/2004*	128.07	14.22		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
10/6/2004*	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
05/04/05	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
05/17/05	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
09/21/05	132.24	10.05		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
06/06/06	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
08/30/06	NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
11/30/06	126.25	16.04		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
08/09/10	133.19	9.10		NM	NM		NM	NM		NM	NM		NM	NM		NM	NM		
08/26/10	133.80	8.49		128.53	11.98		130.90	10.67		127.42	13.26		130.37	10.18		130.04	10.34		
06/14/11	NM	NM		NM	NM		NM	NM		125.19	15.49		NM	NM		125.15	15.23		
07/19/11	NM	NM		NM	NM		127.95	13.62		NM	NM		NM	NM		NM	NM		
04/03/12	NM	NM		NM	NM		127.83	13.74		126.51	14.17		NM	NM		125.35	15.03		
07/30/12	NM	NM		NM	NM		132.97	8.60		132.44	8.24		NM	NM		130.17	10.21		
11/05/12	NM	NM		NM	NM		132.53	9.04		131.88	8.80		NM	NM		129.70	10.68		
03/08/13	NM	NM		NM	NM		131.15	10.42		130.95	9.73		NM	NM		128.81	11.57		
01/20/14	NM	NM		NM	NM		131.67	9.70		131.73	8.95		NM	NM		129.56	10.82		
09/09/15	NM	NM		NM	NM		134.46	7.11		137.26	3.42		NM	NM		132.08	8.30		
12/17/15	NM	NM		NM	NM		131.41	10.16		131.08	9.60		NM	NM		129.11	11.27		
03/24/16	NM	NM		NM	NM		132.32	9.25		132.30	8.38		NM	NM		130.33	10.05		
06/23/16	NM	NM		NM	NM		133.12	8.45		132.63	8.05		NM	NM		130.58	9.80		
09/14/16	NM	NM		NM	NM		134.36	7.21		133.44	7.24		NM	NM		131.34	9.04		
12/12/16	NM	NM		NM	NM		131.22	10.35		131.09	9.59		NM	NM		128.78	11.60		
03/28/17	NM	NM		NM	NM		130.28	11.29		129.83	10.85		NM	NM		127.64	12.74		
07/14/17	NM	NM		NM	NM		131.94	9.63		131.37	9.31		NM	NM		129.14	11.24		
10/10/17	NM	NM		NM	NM		134.46	7.11		133.95	6.73		NM	NM		132.23	8.15		
01/17/18	NM	NM		NM	NM		132.77	8.80		132.34	8.34		NM	NM		130.87	9.51		
04/12/18	NM	NM		NM	NM		132.76	8.79		132.62	8.06		NM	NM		131.02	9.36		
07/17/18	NM	NM		NM	NM		132.95	8.62		133.01	7.67		NM	NM		131.58	8.80		
10/22/18	NM	NM		NM	NM		133.02	8.55		132.61	8.07		NM	NM		130.67	9.71		
02/28/19	NM	NM		NM	NM		133.70	7.87		133.30	7.38		NM	NM		132.85	7.53		
05/23/19	NM	NM		NM	NM		131.87	9.70		131.41	9.27		NM	NM		129.42	10.96		
09/18/19	NM	NM		NM	NM		132.37	9.20		132.06	8.62		NM	NM		130.13	10.25		
12/11/19	NM	NM		NM	NM		130.65	10.92		130.55	10.13		NM	NM		128.37	12.01		
03/25/20	NM	NM		NM	NM		131.15	10.42		130.93	9.75		NM	NM		128.74	11.64		
06/17/20	NM	NM		NM	NM		131.88	9.69		131.79	8.89		NM	NM		129.78	10.60		
03/29/22	NM	NM		NM	NM		134.70	6.87		134.26	6.42		NM	NM		132.96	7.42		

**TABLE 3: Groundwater Elevation Summary**

Facility Name: **Shadd Property & Coastal Mart (aka Sunrise Food Mart)**  
 Lake Butler, Union County, Florida

Facility ID#: **63 9807182** Shadd Facility

All Measurements = Feet  
 NM = Not Measured  
 NA = Not Applicable / Not Available  
 CNL = Could Not Locate  
 \* = Historical Data

WELL NO.	MW-27R			MW-40R			MW-4SR			MW-4IR			MW-4DR			MW-5SR			
DIAMETER (INCH)	2			2			2			2			2			2			
WELL DEPTH	40			50			25			57			86			25			
SCREEN INTERVAL	30-40			40-50			10-25									10-25			
TOC ELEVATION	143.31			138.95			144.5			144.15			144.31			146.38			
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	
08/26/10	127.31	16.00		128.61	10.34														
06/14/11	NM	NM		123.20	15.75														
04/03/12	NM	NM		123.49	15.46		128.16	16.34		122.41	21.74		122.41	21.90		127.80	18.58		
07/30/12	NM	NM		128.35	10.60		133.80	10.70		127.45	16.70		NM	NM		133.83	12.55		
11/05/12	NM	NM		127.99	10.96		133.10	11.40		126.89	17.26		NM	NM		133.38	13.00		
03/07/13	NM	NM		126.95	12.00		131.79	12.71		125.79	18.36		NM	NM		131.74	14.64		
01/20/14	NM	NM		127.13	11.82		132.70	11.80		126.30	17.85		NM	NM		132.63	13.75		
09/09/15	NM	NM		130.09	8.86		135.05	9.45		NM	NM		NM	NM		135.13	11.25		
12/17/15	NM	NM		124.81	14.14		131.27	13.23		NM	NM		NM	NM		131.27	15.11		
03/24/16	NM	NM		127.47	11.48		132.96	11.54		NM	NM		NM	NM		133.01	13.37		
06/23/16	NM	NM		127.96	10.99		133.28	11.22		NM	NM		NM	NM		133.69	12.69		
09/14/16	NM	NM		128.61	10.34		134.04	10.46		NM	NM		NM	NM		134.37	12.01		
12/12/16	NM	NM		126.15	12.80		131.75	12.75		NM	NM		NM	NM		131.92	14.46		
03/28/17	NM	NM		125.30	13.65		130.52	13.98		NM	NM		NM	NM		130.48	15.90		
07/14/17	NM	NM		126.68	12.27		133.04	11.46		NM	NM		NM	NM		132.46	13.92		
10/10/17	NM	NM		129.66	9.29		135.64	8.86		NM	NM		NM	NM		136.00	10.38		
01/17/18	NM	NM		129.05	9.90		133.27	11.23		NM	NM		NM	NM		133.47	12.91		
04/12/18	NM	NM		129.02	9.93		133.55	10.95		NM	NM		NM	NM		133.23	13.15		
07/17/18	NM	NM		129.62	9.33		135.51	8.99		NM	NM		NM	NM		134.59	11.79		
10/22/18	NM	NM		128.43	10.52		134.58	9.92		NM	NM		NM	NM		134.17	12.21		
02/28/19	NM	NM		129.89	9.06		134.67	9.83		NM	NM		NM	NM		133.65	12.73		
05/23/19	NM	NM		127.02	11.93		133.36	11.14		NM	NM		NM	NM		132.88	13.50		
09/18/19	NM	NM		127.90	11.05		132.62	11.88		NM	NM		NM	NM		133.97	12.41		
12/11/19	NM	NM		126.04	12.91		130.84	13.66		NM	NM		NM	NM		131.51	14.87		
03/25/20	NM	NM		126.27	12.68		133.01	11.49		NM	NM		NM	NM		131.88	14.50		
06/17/20	NM	NM		127.37	11.58		133.94	10.56		NM	NM		NM	NM		132.30	14.08		
03/29/22	NM	NM		131.08	7.87		135.71	8.79		NM	NM		NM	NM		135.77	10.61		

WELL NO.	MW-6R2			MW-7R2			MW-8R2			MW-23SR			MW-26CR					
DIAMETER (INCH)	2			2			2			2			2					
WELL DEPTH	25			25			25			25			25					
SCREEN INTERVAL	10-25						10-25			10-25			10-25					
TOC ELEVATION	145.69			145			145.04			148.33			148.19					
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP			
04/03/12	128.39	17.30		126.40	18.60		128.73	16.31					128.51	19.82		128.39	19.80	
07/30/12	134.21	11.48		NM	NM		134.64	10.40					134.06	14.27		134.21	13.98	
11/05/12	133.45	12.24		NM	NM		133.84	11.20					133.43	14.90		133.26	14.93	
03/07/13	131.97	13.72		NM	NM		132.53	12.51					131.95	16.38		131.84	16.35	
01/20/14	132.86	12.83		NM	NM		133.45	11.59					132.93	15.40		132.74	15.45	
09/09/15	135.14	10.55		NM	NM		135.63	9.41					135.61	12.72		135.52	12.67	
12/17/15	131.43	14.26		NM	NM		131.90	13.14					131.03	17.30		132.11	16.08	
03/24/16	133.04	12.65		NM	NM		133.84	11.20					133.26	15.07		133.42	14.77	
06/23/16	133.49	12.20		NM	NM		134.33	10.71					133.57	14.76		134.53	13.66	
09/14/16	134.24	11.45		NM	NM		134.93	10.11					133.83	14.50		135.04	13.15	
12/12/16	131.19	14.50		NM	NM		132.20	12.84					132.00	16.33		132.83	15.36	
03/28/17	130.29	15.40		NM	NM		130.93	14.11					130.18	18.15		131.35	16.84	
07/14/17	132.46	13.23		NM	NM		133.06	11.98					132.68	15.65		133.06	15.13	
10/10/17	135.85	9.84		NM	NM		136.47	8.57					134.53	13.80		136.58	11.61	
01/17/18	133.44	12.25		NM	NM		134.19	10.85					133.70	14.63		133.93	14.26	
04/12/18	133.32	12.37		NM	NM		134.37	10.67					133.69	14.64		133.83	14.36	
07/17/18	135.01	10.68		NM	NM		135.82	9.22					133.53	14.80		134.96	13.23	
10/22/18	133.25	12.44		NM	NM		134.33	10.71					133.76	14.57		134.77	13.42	
02/28/19	134.65	11.04		NM	NM		135.43	9.61					134.50	13.83		134.91	13.28	
05/23/19	132.80	12.89		NM	NM		133.50	11.54					132.62	15.71		133.23	14.96	
09/18/19	133.73	11.96		NM	NM		134.34	10.70					133.60	14.73		136.11	12.08	
12/11/19	131.37	14.32		NM	NM		132.04	13.00					131.50	16.83		132.34	15.85	
03/25/20	129.94	15.75		NM	NM		132.46	12.58					131.76	16.57		132.54	15.65	
06/17/20	131.84	13.85		NM	NM		133.23	11.81					132.83	15.50		133.16	15.03	
03/29/22	135.56	10.13		NM	NM		135.96	9.08					135.80	12.53		135.95	12.24	

**TABLE 3: Groundwater Elevation Summary**

Facility Name: Shadd Property & Coastal Mart (aka Sunrise Food Mart)  
 Lake Butler, Union County, Florida

Facility ID#: 63 9807182 Shadd Facility

All Measurements = Feet  
 NM = Not Measured  
 NA = Not Applicable / Not Available  
 CNL = Could Not Locate  
 \* = Historical Data

WELL NO.	MW-27CR			MW-61SR			MW-62SR			MW-66SR			MW-69S			MW-1DR		
DIAMETER (INCH)	2			2			2			2			2			2		
WELL DEPTH	25			25			25			25			25			85		
SCREEN INTERVAL	10-25			10-25			10-25			10-25			10-25			80-85		
TOC ELEVATION	148.54			146.86			148.11			142.68			139.27			148.22		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
04/03/12	128.98	19.56		128.17	18.69		128.43	19.68		128.91	13.77		127.12	12.15		122.41	25.81	
07/30/12	134.77	13.77		NM	NM		134.17	13.94		NM	NM		132.06	7.21		NM	NM	
11/05/12	133.89	14.65		133.13	13.73		133.27	14.84		NM	NM		131.34	7.93		NM	NM	
03/07/13	132.47	16.07		131.55	15.31		131.83	16.28		NM	NM		130.65	8.62		NM	NM	
01/20/14	133.32	15.22		132.40	14.46		132.78	15.33		NM	NM		131.47	7.8		NM	NM	
09/09/15	135.87	12.67		NM	NM		135.43	12.68		NM	NM		NM	NM		NM	NM	
12/17/15	131.59	16.95		NM	NM		131.11	17.00		NM	NM		NM	NM		NM	NM	
03/24/16	133.72	14.82		NM	NM		133.14	14.97		NM	NM		NM	NM		NM	NM	
06/23/16	134.49	14.05		NM	NM		133.50	14.61		NM	NM		NM	NM		NM	NM	
09/14/16	134.88	13.66		NM	NM		133.82	14.29		NM	NM		NM	NM		NM	NM	
12/12/16	132.39	16.15		NM	NM		132.11	16.00		NM	NM		NM	NM		NM	NM	
03/28/17	130.72	17.82		NM	NM		130.29	17.82		NM	NM		NM	NM		NM	NM	
07/14/17	133.23	15.31		NM	NM		132.53	15.58		NM	NM		131.09	8.18		NM	NM	
10/10/17	136.65	11.89		NM	NM		135.02	13.09		NM	NM		NM	NM		NM	NM	
01/17/18	134.24	14.30		NM	NM		133.56	14.53		NM	NM		NM	NM		NM	NM	
04/12/18	134.01	14.53		NM	NM		133.53	14.58		NM	NM		NM	NM		NM	NM	
07/17/18	134.96	13.58		NM	NM		133.40	14.71		NM	NM		132.94	6.33		NM	NM	
10/22/18	134.75	13.79		NM	NM		133.86	14.25		NM	NM		NM	NM		NM	NM	
02/28/19	135.14	13.40		NM	NM		134.54	13.57		NM	NM		NM	NM		NM	NM	
05/23/19	133.37	15.17		NM	NM		132.53	15.58		NM	NM		NM	NM		NM	NM	
09/18/19	134.49	14.05		NM	NM		133.48	14.63		NM	NM		NM	NM		NM	NM	
12/11/19	132.18	16.36		NM	NM		131.40	16.71		NM	NM		NM	NM		NM	NM	
03/25/20	132.35	16.19		NM	NM		131.68	16.43		NM	NM		NM	NM		NM	NM	
06/17/20	133.19	15.35		NM	NM		132.72	15.39		NM	NM		NM	NM		NM	NM	
03/29/22	136.55	11.99		NM	NM		135.66	12.45		NM	NM		NM	NM		NM	NM	

Groundwater Elevation information prior to 2002 is available in historical reports

TABLE 4: Groundwater Analytical Summary

Facility Name: Shadd Property &  
Coastal Mart (aka Sunrise Food Mart)  
Lake Butler, Union County, Florida

Facility ID#: 63 9807182

Analytical Results = ug/L  
EDB = 1,2-Dibromoethane  
MTBE = Methyl-tert-butyl-ether  
DTW = Depth to Water  
ND[XX] = Not detected [minimum detection level]  
Note: Analytical information prior to 2002 is available in historical reports  
NA= not analyzed

Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead	
Location	Date														
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15	
MW-1S	06/02/03	14.57	83	390	230	3600	4303	420	0.37	12	4.6	5.3	NA	NA	
	02/18/08	18.00	15	<10	<10	<10	15	120	0.75	NA	NA	NA	NA	NA	
	06/25/04	18.00	1.3	<1	4.2	14	19.5	47	<0.02	NA	NA	NA	NA	NA	
MW-1R	05/04/05	11.95	12	180	200	4900	5292	820	0.4	NA	NA	NA	NA	NA	
	05/17/05	11.45	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	NA	
	08/09/10	13.41	1.0	0.53 l	8.0	31	40.53	14	NA	NA	NA	NA	NA	NA	
MW-1DR	04/04/12	25.81	0.28 U	0.24 U	0.25 U	0.68 U	<1.45	0.21 U	0.0061 U	0.022 U	0.021 U	0.022 U	93 U	NA	
MW-2S	06/02/03	16.28	2,500	19,000	2,500	16,000	40,000	<5,000	34	960	130	220	NA	NA	
	11/13/03	17.62	4,000	23,000	2,400	14,000	43,400	<2,500	29	650	88	150	NA	NA	
	06/28/04	19.57	610	1,200	430	1,700	3,990	1,400	0	NA	NA	NA	NA	NA	
	10/06/04	12.46 (submerged)	1,700	14,000	1,900	11,000	28,600	2,400	10	350	343	52	NA	NA	
	05/06/05	12.45 (submerged)	770	4,500	890	5,200	11,360	1,200	4	130	14	20	NA	NA	
	08/30/06	18.97	1,200	150	1,200	3,820	6,370	1,300	NA	NA	NA	NA	NA	NA	
	11/30/06	21.02	1,100	220	500	960	2,780	1,500	<0.0027	NA	NA	NA	NA	8,600	
	06/20/07	21.14	349	243 V	455	2,210	3,257	384	--	0.869 l	0.286 l	0.327 l	226 l*	NA	
	09/10/07	21.25	23	8	20	45	97	24	NA	<0.070	<0.032	<0.098	3,320	NA	
	12/11/07	20.94	125	6	85	74	290	198	NA	NA	NA	NA	916	NA	
	03/13/08	19.76	39	97	52	415	603	125	NA	ND[0.070]	ND[0.032]	ND[0.098]	1,510	NA	
	06/30/08	19.92	268	779	131	2,640	3,818	390	NA	NA	NA	NA	56,000	NA	
	09/24/08	17.25	167	357	385	3,590	4,499	310	NA	NA	NA	NA	17,000	NA	
	01/06/09	19.36	139	164	645	6,580	7,528	227	NA	NA	NA	NA	NA	NA	
	04/22/09	18.10	48	410	320	3,600	4,378	140	NA	NA	NA	NA	10,000	NA	
	07/01/09	17.51	27 l	130	320	4,400	4,877	130	NA	NA	NA	NA	NA	NA	
	09/21/09	15.91	32 l	140	260	2,800	3,200	160	NA	NA	NA	NA	NA	NA	
	02/16/10	14.74 (submerged)	22 l	130	320	3,800	4,272	150	NA	NA	NA	NA	NA	NA	
	08/09/10	14.67 (submerged)	11 l	69	210	3100	3,390	70	NA	NA	NA	NA	22,000	NA	
	07/19/11	19.14	37	74	240	2300	2,651	110	NA	NA	NA	NA	5,500	NA	
	07/30/12														CNL
	03/07/13	16.00	65	210	500	7,300	8,075	89	NA	NA	NA	NA	16,000	NA	
	01/21/14	15.15	31	48	310	1,800	2,189	4.4 U	NA	NA	NA	NA	4,600	NA	
	09/10/15	12.46 (submerged)	28	14	134	909	1,085	22	NA	NA	NA	NA	NA	NA	
	12/17/15	16.62	1	2	6	48	58	6	NA	NA	NA	NA	NA	NA	
	03/24/16	14.7 (submerged)	2	3	138	2,170	2,313	8	NA	NA	NA	NA	NA	NA	
	06/23/16	15.25	7	5	220	4,000	4,200	8	NA	NA	NA	NA	NA	NA	
	09/14/16	14.32 (submerged)	1.5 U	6.0 l	2.6 U	4,300	4,300	4.1 U	NA	NA	NA	NA	NA	NA	
	12/12/16	15.80	2	6	270	3,300	3,600	6	NA	NA	NA	NA	NA	NA	
	03/28/17	17.36	2	7	310	2,800	3,100	6	NA	NA	NA	NA	NA	NA	
	07/14/17	15.31	0.16 U	1	22	280	303	0.57 l	NA	NA	NA	NA	NA	NA	
	10/10/17	15.82	0.18 U	2	10	1,500	1,500	2	NA	NA	NA	NA	NA	NA	
01/17/18	14.32 (submerged)	4.7	11	2.2	28	46	0.24 U	NA	NA	NA	NA	NA	NA		
04/12/18	14.56 (submerged)	0.18 U	8.2	260	2,900	3,200	0.75 l	NA	NA	NA	NA	NA	NA		
07/17/18	15.30	0.58 l	6.0	91	2,700	2,797.58 l	0.24 U	NA	NA	NA	NA	NA	NA		
10/22/18	15.71	1.4	0.49 U	0.83 l	16	18	0.24 U	NA	NA	NA	NA	NA	NA		
02/28/19	13.56 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA		
12/11/19														obstruction @ 15.47'	
03/25/20														obstruction @ 15.45'	
MW-2SR	03/29/22	12.59	1.5	6.4	120	1,000	1,128	0.24 U	NA	NA	NA	NA	NA	NA	

TABLE 4: Groundwater Analytical Summary

Facility Name: Shadd Property &  
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Lake Butler, Union County, Florida

Facility ID#: 63 9807182

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EDB = 1,2-Dibromoethane  
MTBE = Methyl-tert-butyl-ether  
DTW = Depth to Water  
ND[XX] = Not detected [minimum detection level]  
Note: Analytical information prior to 2002 is available in historical reports  
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Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-3S	03/17/03	6.42	<1	<1	<1	<2	<5	<1	<0.02	<0.2	<0.2	<0.2	NA	NA
	06/02/03	8.36	<1	<1	<1	<2	<5	<10	<0.02	<0.2	<0.2	<0.2	NA	NA
	11/13/03	10.57	<1	<1	<1	<2	<5	<10	<0.02	NA	NA	NA	NA	NA
	02/18/04	13.36	<1	<1	<1	<2	<5	<10	<0.02	NA	NA	NA	NA	NA
	10/06/04	6.14	<1	<1	<1	<2	<5	7	NA	NA	NA	NA	NA	NA
	06/06/06	15.75	<1	<1	<1	<2	<5	7	NA	NA	NA	NA	NA	NA
	03/26/07													
CNL														
MW-3SR	08/26/10	8.49	0.28 U	0.24 U	0.25 U	0.68 U	<1.45	0.21 U	NA	NA	NA	NA	NA	NA
MW-3I	03/17/03	NM	<1	<1	<1	<2	<5	<1	<0.02	<0.2	<0.2	<0.2	NA	NA
	06/02/03	13.98	<1	<1	<1	<2	<5	<10	<0.02	NA	NA	NA	NA	NA
	11/13/03	15.42	<1	<1	<1	<2	<5	12	<0.02	NA	NA	NA	NA	NA
	10/06/04	9.78	15	<1	<1	21	36	27	0.26	NA	NA	NA	NA	NA
MW-3IR	08/26/10	13.26	1.4	0.24 U	0.25 U	0.68 U	1.4	3.6	NA	NA	NA	NA	NA	NA
MW-4S	01/23/02	18.30	3100	11000	1600	11000	28700	<2,500	NA	NA	NA	NA	NA	NA
	03/17/03	12.03	26	21	<1	1100	1147	<1	unclear	140	80	150	NA	NA
	06/02/03	13.45	810	100	260	1400	2570	190	1.8	130	61	110	NA	NA
	11/13/03	14.56	1600	3200	350	1800	6950	1200	4.6	92	33	65	NA	NA
	02/18/04	15.97	780	1600	150	820	3350	160	2.3	NA	NA	NA	NA	NA
	06/28/04	16.45	260	680	83	550	1573	65	0.34	NA	NA	NA	NA	NA
	10/06/04	8.89	12	1.4	8.8	84	106.2	16	<0.02	27	18	26	NA	NA
	09/21/05	11.65	34	30	6.2	59	129.2	<5	NA	NA	NA	NA	NA	NA
	11/30/06	18.11	6.6	2.1	3.7	20.9	33.3	0.33 l	<0.0027	NA	NA	NA	NA	NA
	06/20/07	18.13	2730	6870 V	718	3210	13528	623	NA	NA	NA	NA	NA	NA
	09/10/07	18.14	8450	19900	1550	7720	37620	2150	NA	NA	NA	NA	NA	NA
	12/11/07	18.00	851	1990	300	1480	4621	200	NA	NA	NA	NA	NA	NA
	03/12/08	20.73	22.1	464	84.7	451	1021.8	ND[3.9]	NA	NA	NA	NA	NA	NA
	06/30/08	17.00	1940	3720	677	3690	10027	387	NA	NA	NA	NA	NA	NA
	09/24/08	13.74	32.6	3.89 i	47.2	8.28 i	91.97	11.2 i	NA	NA	NA	NA	NA	NA
	01/06/09	16.05	1400	1740	918	5150	9208	180	NA	NA	NA	NA	NA	NA
	04/22/09	14.91	90	18	120	780	1008	12	NA	NA	NA	NA	NA	NA
	07/01/09	14.91	33	67	24	150	274	1.7	NA	NA	NA	NA	NA	NA
	09/21/09	13.13	16	0.70 i	9.5	43	69.2	0.99 i	NA	NA	NA	NA	NA	NA
	02/16/10	11.25	170	16	36	290	512	44	NA	NA	NA	NA	NA	NA
	08/09/10	11.22	24	1.2	14	51	90.2	2.4	0.0060 U	NA	NA	NA	NA	NA
06/14/11	15.51	16	5.3	36	170	227.3	1.1	0.0061 U	13	3.7	7.2	NA	NA	
07/30/12									Abandoned					

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Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-4SR	04/03/12	16.34	850	3,800	1,100	7,200	12,950	23	NA	210	34	68	NA	NA
	07/30/12	10.70	6.7	0.58 I	7.4	3.7	18.38	0.19 I	NA	3.1	0.76	1.3	NA	NA
	11/05/12	11.40	3.5	4.0	3.1	4.0	14.6	0.15 I	NA	1.7	0.44	0.80	NA	NA
	03/08/13	12.71	2.4	0.99 I	2.1	1.7 I	7.19	0.19 I	NA	1.1	0.46	0.71	NA	NA
	01/21/14	11.80	2.1	0.51 U	1.2	0.92 I	4.22	0.44 U	NA	1.1	0.46	0.71	NA	NA
	09/10/15	9.45 (submerged)	0.89 I	0.50 U	0.50 U	0.50 U	2.39	0.50 U	NA	NA	NA	NA	63 U	NA
	12/17/15	13.23	1.3	0.50 U	0.50 U	0.50 U	2.8	0.50 U	NA	NA	NA	NA	NA	NA
	03/24/16	11.54	15.3	0.50 U	5	1.5 U	22.3	1.6	NA	NA	NA	NA	150 U	NA
	06/23/16	11.22	0.16 U	0.23 U	0.57 I	7.2	7.8	0.17 U	NA	NA	NA	NA	NA	NA
	09/14/16	10.46	0.67 I	0.45 U	0.26 U	1.3 U	<2.68	0.41 U	NA	NA	NA	NA	NA	NA
	12/12/16	12.75	0.71 I	0.49 U	0.38 U	1.1 U	0.71 I	0.46 I	NA	NA	NA	NA	NA	NA
	03/28/17	13.98	0.18 U	1.1	0.38 U	1.1 U	1.1	0.24 U	NA	NA	NA	NA	NA	NA
	07/14/17	11.46	0.16 U	1.1	0.24 U	0.53 U	1.1	0.17 U	NA	NA	NA	NA	NA	NA
	10/10/17	8.86 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	BDL	0.24 U	NA	NA	NA	NA	NA	NA
	01/17/18	11.23	0.18 U	0.49 U	0.38 U	1.1 U	BDL	0.24 U	NA	NA	NA	NA	NA	NA
	04/12/18	10.95	0.18 U	0.58 I	0.88 I	8.1	8.3	0.24 U	NA	NA	NA	NA	NA	NA
	07/18/18	8.99 (submerged)	0.18 U	0.49 U	0.59 I	5.2	6.38	0.24 U	NA	NA	NA	NA	NA	NA
	10/22/18	9.92 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA
	02/28/19	9.83 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA
	05/23/19	11.14	0.18 U	0.49 U	0.38 U	3.4	3.40	0.24 U	NA	NA	NA	NA	NA	NA
9/18/19	11.88	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA	
12/11/19	13.66	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA	
03/25/20	11.49	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA	
06/17/20	10.56	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA	
03/29/22	8.79	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA	
MW-4I	01/23/02	22.78	13	<1	5	<2	<21	25	NA	NA	NA	NA	NA	NA
	03/17/03	13.89	<1	<1	<1	<2	<5	43	<0.02	<0.2	<0.2	<0.2	NA	NA
	11/13/03	19.33	<1	<1	<1	<2	<5	29	<0.02	NA	NA	NA	NA	NA
	02/18/04	20.20	<1	<1	<1	<2	<5	15	<0.03	NA	NA	NA	NA	NA
	10/06/04	13.60	<1	<1	<1	<2	<5	9	<0.02	NA	NA	NA	NA	NA
	07/30/12								Abandoned					
MW-4IR	04/03/12	21.74	6.6	1.3	1.3	7.2	16.4	2.5	NA	NA	NA	NA	NA	NA
	07/30/12	16.70	2.8	0.25 I	7.5	1.1 I	11.65	3.1	NA	NA	NA	NA	NA	NA
	11/05/12	17.26	3.9	0.14 U	13	0.44 U	16.9	3.3	NA	NA	NA	NA	NA	NA
	03/08/13	18.36	0.28 I	0.14 U	0.79 I	0.44 U	1.07	3.3	NA	NA	NA	NA	NA	NA
	01/21/14	17.85	0.50 U	0.51 U	0.44 U	0.50 U	BDL	3.4	NA	NA	NA	NA	NA	NA
MW-4D	06/28/04	21.58	<1	<1	<1	<2	<5	<10	<0.02	NA	NA	NA	NA	NA
	09/21/05	16.60	<1	<1	<1	<2	<5	<5.0	<0.10	NA	NA	NA	NA	NA
	07/30/12								Abandoned					
MW-4DR	04/03/12	21.90	0.28 U	0.41 I	0.25 U	1.2 I	<1.6	0.78 I	NA	NA	NA	NA	NA	NA

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Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-55	09/21/05	13.31	4200	16000	1300	9400	30900	320	21	230	23	45	29000	NA
	08/30/06	17.90	5300	36000	2500	12800	56600	160	35	270	36	63	58000	NA
	06/20/07	19.91	Free Product [4.70 ft]											
	09/10/07	21.44	Free Product [2.10 ft]											
	12/11/07	20.14	Free Product [0.78 ft]											
	03/12/08	18.10	Free Product [0.21 ft]											
	06/30/08	18.75	686	8210	1460	7590	17946	60.0 l	NA	NA	NA	NA	32100	NA
	09/24/08	15.55	966	11400	1930	10800	25096	77.6 l	13.1	NA	NA	NA	25400	NA
	01/06/09	17.85	2550	19200	3190	19300	44240	94.5	ND[0.010]	NA	NA	NA	NA	NA
	04/22/09	16.76	660	9900	1700	12000	24260	33	28	790	94	190	18000	NA
	07/01/09	16.32	860	8100	1500	12000	22460	48 l	27	NA	NA	NA	NA	NA
	09/21/09	14.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/16/10	13.07	1100	14000	1900	12000	29000	ND[42]	17	NA	NA	NA	NA	NA
	08/09/10	19.79	0.28 U	0.24 U	0.25 U	0.68 U	BDL	1.6	0.0060 U	NA	NA	NA	NA	2.0 U
	06/14/11	23.95	0.28 U	0.24 U	0.25 U	0.68 U	BDL	3.1	NA	0.20	0.053 l	0.083 l	NA	NA
07/30/12		Abandoned												
MW-55R	04/03/12	18.58	51 l	1,500	580	5,100	7,180	21 U	0.24	150	21	40	NA	NA
	07/30/12	12.55	0.13 U	0.39 l	1.4	2.3	4.09	0.16 l	NA	0.31	0.059 l	0.029 l	NA	NA
	11/05/12	13.00	0.13 U	1.6	0.16 U	0.44 U	1.6	0.13 U	NA	0.16 l	0.043 l	0.10 l	NA	NA
	03/08/13	14.64	5.4	29	440	920	1394.4	2.4	NA	68	12	23	NA	NA
	01/21/14	13.75	3.6	36	270	540	849.6	0.88 U	NA	64	15	28	NA	NA
	09/10/15	11.25	0.17 l	0.50 U	0.50 U	4.5	5.67	0.50 U	NA	NA	NA	NA	NA	NA
	12/17/15	15.11	0.23 l	12.1	11.2	73.2	96.73	0.83 l	NA	NA	NA	NA	NA	NA
	03/24/16	13.37	0.10 U	0.50 U	0.75 l	1.5 U	2.85	0.50 U	NA	NA	NA	NA	NA	NA
	06/23/16	12.69	0.58 l	0.23 U	1.2	3.0	4.8	0.17 U	NA	0.1	0.051 U	0.051 U	NA	NA
	09/14/16	12.01	0.15 U	0.48 l	2.9 l	1.3 U	3.4	0.41 U	NA	0.20 U	0.21 U	0.20 U	NA	NA
	12/12/16	14.46	0.18 U	1.6	1.2	14	17	0.24 U	NA	0.72	0.58	0.20 U	NA	NA
	03/28/17	15.90	0.18 U	0.73 l	0.81 l	8.2	9.7	0.24 U	NA	0.56	0.20 U	0.20 U	NA	NA
	07/14/17	13.92	0.16 U	0.23 U	0.24 U	0.53 U	1.2	0.17 U	NA	0.19 U	0.20 U	0.20 U	NA	NA
	10/10/17	10.38	0.18 U	0.49 U	0.38 U	1.1 U	BDL	0.24 U	NA	0.19 U	0.20 U	0.20 U	NA	NA
	01/17/18	12.91	0.18 U	0.49 U	0.38 U	1.1 U	BDL	0.24 U	NA	0.23	0.20 U	0.20 U	NA	NA
	04/12/18	13.15	0.18 U	0.49 U	0.38 U	2.1	2.1	0.24 U	NA	1.30	0.8	1.1	NA	NA
	07/18/18	11.79	0.18 U	23	25	190	<238.18	0.24 U	NA	8.2	2.2	2.2	NA	NA
	10/22/18	12.21	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	1.5	0.72	1.2	NA	NA
	02/28/19	12.73	0.18 U	0.49 U	2.0	9.0	11.0	0.24 U	NA	0.19 U	0.20 U	0.20 U	NA	NA
	05/23/19	13.50	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	0.19 U	0.20 U	0.20 U	NA	NA
	9/18/19	12.41	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	0.19 U	0.20 U	0.20 U	NA	NA
	12/11/19	14.87	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	0.19 U	0.20 U	0.20 U	NA	NA
03/25/20	14.50	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	0.28	0.20 U	0.20 U	NA	NA	
06/17/20	14.08	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	0.19 U	0.20 U	0.20 U	NA	NA	
03/29/22	10.61	0.18 U	0.49 U	2.7	29	32	0.24 U	NA	0.49	0.20 U	0.20 U	NA	NA	

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Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-6R	05/04/05	10.75	6600	25000	3000	21000	55600	4200	55	1100	92	160	NA	NA
	06/06/06	15.46	8800	18000	2100	16000	44900	1700	1.8	360	36	68	39000	NA
	04/03/07	17.54	4270	13,800 V	1710	9390	29170	318.1	4.85	238	24.4	33.1	27600	NA
	06/20/07	19.21	1640	59.6 V	323	1300	3322.6	125	<0.0027	0.480 l*	0.428 l*	<0.11 *	3800	NA
	09/10/07	19.30	1030	226	171	355	1782	57.2	0.289	0.375 i	0.31 i	0.252 i	10300	NA
	12/11/07	19.10	862	599	247	687	2395	87.2	NA	NA	NA	NA	2,020	NA
	03/12/08	17.20	341	465	144	508	1458	ND[3.9]	0.021	0.0974 i	0.113 i	0.276 i	1,500	NA
	06/30/08	18.30	1030	522	126	349	2027	26.6 i	0.049	NA	NA	NA	6,510	NA
	09/24/08	14.81	97.1	13.1	2.59	87.7	200.49	ND[0.20]	0.05	NA	NA	NA	1,030	NA
	01/06/09	16.89	7530	17300	1580	9970	36380	220	ND[0.010]	NA	NA	NA	NA	NA
	04/22/09	16.23	1100	490	160	490	2240	18	0.13	ND[0.071]	8.3	4.3	1,200	NA
	07/01/09	15.38	6800	19000	1500	7500	34800	170	7.8	NA	NA	NA	NA	NA
	09/21/09	13.81	1600	5200	490	2800	10090	450	5.4	NA	NA	NA	NA	NA
	02/16/10	11.87	6400	18000	1300	6800	32500	280 i	6.1	NA	NA	NA	NA	NA
08/09/10	CNL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
06/14/11	16.71	1000	4600	590	4700	10890	18	NA	NA	NA	NA	NA	NA	
07/30/12									Abandoned					
MW-6R2	04/03/12	17.30	270	2,400	500	3,000	6,170	3.2	0.08	NA	NA	NA	NA	NA
	07/30/12	11.48	330	880	690	3600	5,500	3.5	0.031	NA	NA	NA	NA	NA
	11/05/12	12.24	57	120	190	740	1,107	0.65 U	0.0023 U	NA	NA	NA	NA	NA
	03/08/13	13.72	270	140	740	1100	2,250	1.3 i	0.0061 U	NA	NA	NA	NA	NA
	01/21/14	12.83	210	3,600	1,000	3,400	8,210	4.4 U	NA	NA	NA	NA	NA	NA
	09/10/15	10.55	134	7,920	949	5,610	14,613	0.86 i	NA	134	17.9	33	NA	NA
	12/17/15	14.26	66	5,170	640	4,030	9,906	0.79 i	NA	122	15.2	26.3	NA	NA
	03/24/16	12.65	54	5,250	1,450	6,800	13,554	25.0 U	NA	191	34.7	62.4	NA	NA
	06/23/16	12.20	20	650	340	1,800	2,800	0.34 U	NA	52	8	13	NA	NA
	09/14/16	11.45	540	210	52	270	540	0.41 U	NA	5.4	0.53	0.58	NA	NA
	12/12/16	14.50	1.3	13	17	91	120	0.24 U	NA	3.9	0.32	0.38	NA	NA
	03/28/17	15.40	0.18 U	0.49 U	0.38 U	1.1 U	2	0.24 U	NA	0.19 U	0.20 U	0.20 U	NA	NA
	07/14/17	13.23	18	1,700	450	2,400	4,568	0.34 U	NA	74	9.7	16	NA	NA
	10/10/17	9.84	17	50	370	2,000	2,400	0.24 U	NA	110	18	30	NA	NA
	01/17/18	12.25	35	2,500	870	5,400	8,800	0.24 U	NA	280	35	65	NA	NA
	04/12/18	12.37	16	1,100	22	3,200	4,300	0.24 U	NA	97	12	19	NA	NA
	07/18/18	10.68	0.90 U	2.4 U	1.9 U	580	<585.20	1.2 U	NA	92	14	23	NA	NA
	10/22/18	12.44	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	1.3	0.52	0.50	NA	NA
	02/28/19	11.04	4.2	83	66	400	553.2	1.9	NA	18	2.1	2.6	NA	NA
	05/23/19	12.89	0.18 U	0.49 U	0.38 U	6.0	<7.05	0.24 U	NA	0.19 U	0.20 U	0.20 U	NA	NA
9/18/19	11.96	0.18 U	0.49 U	0.38 U	13	13	0.24 U	NA	2.1	0.42	0.54	NA	NA	
12/11/19	14.32	3.7	15	60	240	318.7	0.24 U	NA	7.3	1.4	2.2	NA	NA	
03/25/20	13.75	3.4	13	75	220	311.5	0.24 U	NA	17	4.8	7.6	NA	NA	
06/17/20	13.85	9.7	120	320	1,100	1,549.70	0.24 U	NA	63	13	19	NA	NA	
03/29/22	10.13	8.5	420	1,200	3,700	5,329.00	0.24 U	NA	150	32	61	NA	NA	
MW-7S	03/17/03	12.58	4,100	17,000	1,400	9,300	31,800	<250	35	540	62	120	NA	NA
	06/02/03	14.41	3,700	19,000	1,700	9,900	34,300	<5,000	41	560	58	120	NA	NA
	11/13/03	15.44	4,800	18,000	1,800	11,000	35,600	3100	68	500	48	98	NA	NA
	02/18/04	17.05	3,400	8,300	930	5,200	17,830	400	NA	NA	NA	NA	NA	NA
	06/29/04	17.38	2,300	11,000	600	3,400	17,300	260	3.8	NA	NA	NA	NA	NA
	10/06/04	9.97	2,200	7,200	540	2,800	12,740	<250	41	260	34	56	NA	NA
06/06/06	15.15	3,400	9,600	1,600	8,900	24,400	<200	2.3	320	58	78	33	NA	

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DTW = Depth to Water  
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Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-7R	05/04/05	10.70	4,500	14,000	1,300	8,400	28,200	<250	13	180	37	50	NA	NA
	04/03/07	17.39	2,090	5530 V	1,510	8,120	17,250	98 I	7.32	NA	NA	NA	14100	NA
	06/20/07	18.81	Free Product											
	09/10/07	18.80	1,310	6,090	934	3,770	12,104	<39	7.77	132	19.1 I	30.8	20100	NA
	12/11/07	18.60	1,700	8,520	841	3,520	14,581	<78	NA	NA	NA	NA	8,420	NA
	03/12/08	16.77	351	1,650	341	1,110	3,452	ND[16]	1.3	1.04	1.55	2	4,100	NA
	06/30/08	17.59	2,150	15,200	1,520	7,620	26,490	ND[20]	10.7	NA	NA	NA	48,000	NA
	09/24/08	14.52	354	1,750	265	1,280	3,649	95.9	NA	NA	NA	NA	16,600	NA
	01/06/09	16.71	3,790	20,200	2,060	11,300	37,350	ND[22]	ND[0.010]	NA	NA	NA	NA	NA
	04/22/09	15.59	490	1,700	170	1,100	3,460	15	13	ND[0.016]	ND[0.030]	ND[0.017]	10,000	NA
	07/01/09	15.17	850	6,400	660	3,500	11,410	ND[30]	7.4	NA	NA	NA	NA	NA
	09/21/09	13.88	460	5,400	830	4,400	11,090	ND[21]	2.7	NA	NA	NA	NA	NA
	02/16/10		CNL											
	08/09/10	12.32	51	870	130	1100	2,151	4.0 I	0.38	0.15 U	0.29 U	0.16 U	20,000	NA
06/14/11	16.32	57	520	140	1200	1,917	2.1 U	0.26	NA	NA	NA	12	NA	
07/30/12		Abandoned												
MW-7R2	04/03/12	18.60	0.28 U	0.28 I	0.25 U	0.68 U	<0.28	0.21 U	0.0061 U	NA	NA	NA	94 U	NA
MW-8S	09/21/05	12.38	4,900	24,000	1,800	12,000	42,700	180	3	NA	NA	NA	21,000	NA
	11/30/06	18.85	290	2,800	370	2,220	5,680	<9.5	1	110	11	20 I	12,000	NA
	06/20/07	18.81	166	2,520	460	3,410	6,556	<0.31	--	--	--	--	3,680	NA
	09/10/07	20.15	Free Product [1.82 ft]											
	12/11/08	19.05	Free Product [0.50 ft]											
	03/12/08	16.32	1,990	22,400	2,760	15,000	42,150	ND[200]	NA	NA	NA	NA	ND[150]	NA
	06/30/08	17.72	Free Product [0.05 ft]											
	09/24/08	14.23	569	6,980	1,210	7,580	16,339	58.5 I	NA	NA	NA	NA	21,400	NA
	01/06/09	16.71	710	7,040	1,440	8,820	18,010	ND[8.80]	ND[0.010]	NA	NA	NA	NA	NA
	04/22/09	15.48	160	3,200	580	4,400	8,340	ND[15]	0.67	410	71	110	NA	NA
	07/01/09	15.00	840	6,000	780	5,700	13,320	22 I	1	NA	NA	NA	NA	NA
	09/21/09	13.34	820	5,900	790	5,500	13,010	33 I	2.9	NA	NA	NA	NA	NA
	02/16/10	11.60	700	7,200	930	6,500	15,330	ND[42]	2.4	NA	NA	NA	NA	NA
	08/09/10	11.73	290	2,000	420	3,200	5,910	21 U	2.5	540	89	120	NA	10
06/14/11	16.25	390	14	94	110	608	140	NA	830	130	210	NA	NA	
07/30/12		Abandoned												

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Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-8R2	04/03/12	16.31	1,100	19,000	2,300	13,000	35,400	42 U	0.014 I	260	31	59	22,000	NA
	07/30/12	10.40	220	2,300	260	1,400	4,180	1.2	NA	42	5.4	8.2	4,100	NA
	11/05/12	11.20	84	410	130	750	1,374	1.3 U	NA	25	4.7	7.7	1,900	NA
	03/08/13	12.51	100	740	320	2,100	3,260	1.3 U	NA	56	17	33	2,700	NA
	01/21/14	11.59	36	150	130	680	996	0.88 U	NA	29	19	35	NA	NA
	09/10/15	9.41 (submerged)	62.7	6.2	23.1	95.1	187	0.50 U	NA	NA	NA	NA	NA	NA
	12/17/15	13.14	57.1	6.7	16.2	98.6	179	0.50 U	NA	NA	NA	NA	NA	NA
	03/24/16	11.20	35.1	9.1	27.9	86.6	159	0.50 U	NA	NA	NA	NA	NA	NA
	06/23/16	10.71	21	1.8	3.9	11	38	0.20 I	NA	1.4	0.3	0.52	NA	NA
	09/14/16	10.11	20	0.79 I	3.2	6.1	30	0.41 U	NA	1.5	0.35	0.52	NA	NA
	12/12/16	12.84	36	4.1	14	54	110	0.32 I	NA	6.9	1.7	2.9	NA	NA
	03/28/17	14.11	30	1.0	5.0	17	53	0.24 U	NA	3.6	0.20 U	0.20 U	NA	NA
	07/14/17	11.98	7.9	0.23 U	0.24 U	0.53 U	8	0.17 U	NA	0.39	0.20 U	0.20 U	NA	NA
	10/10/17	8.57 (submerged)	4.2	0.49 U	0.38 U	1.1 U	4.2	0.24 U	NA	0.19 U	0.20 U	0.20 U	NA	NA
	01/17/18	10.85	0.18 U	9.3	6.5	52	68	0.24 U	NA	1.1	0.50	0.68	NA	NA
	04/12/18	10.67	4.9	1.9	0.38 U	7.5	14	0.24 U	NA	1.3	0.20 U	0.20 U	NA	NA
	07/18/18	9.22 (submerged)	3.7	0.49 U	0.38 U	1.1 U	<5.97	0.24 U	NA	0.73	0.24 U	0.23 U	NA	NA
	10/22/18	10.17	3.0	0.49 U	0.38 U	1.1 U	3	0.24 U	NA	1.0	0.40	0.66	NA	NA
	02/28/19	9.61 (submerged)	0.79 I	0.49 U	0.38 U	1.1 U	0.79 I	0.24 U	NA	0.19 U	0.20 U	0.20 U	NA	NA
	05/23/19	11.54	10	0.49 U	0.38 U	4.0	<14.87	0.24 U	NA	0.30	0.20 U	0.20 U	NA	NA
9/18/19	10.7	13	0.49 U	0.38 U	1.1 U	13	0.24 U	NA	0.20	0.20 U	0.20 U	NA	NA	
12/11/19	13.00	20	0.49 U	2.5	5.2	<28.19	0.24 U	NA	2.2	0.49	0.48	NA	NA	
03/25/20	12.58	8.6	0.49 U	0.38 U	1.1 U	<10.57	0.24 U	NA	3.5	1.4	2.5	NA	NA	
06/17/20	11.81	7.9	1.2	3.8	7.1	20	0.24 U	NA	2.1	0.30	0.37	NA	NA	
03/29/22	9.08	2.6	0.49 U	0.81 I	1.1 U	5	0.24 U	NA	1.2	0.32	0.53	NA	NA	
MW-9S	03/17/03	8.30	<1	<1	<1	<2	<5	<1	<0.02	<0.2	<0.2	<0.2	NA	NA
	09/22/05	10.05	8.2	<1	<1.0	60	68.2	<5	NA	NA	NA	NA	NA	NA
	11/30/06	16.04	6.2	0.56 I	1.4	3.23	11.39	0.23 I	NA	NA	NA	NA	<150	NA
	08/09/10	9.10	0.28 U	0.24 U	0.33 I	0.68 U	0.33	0.21 U	NA	NA	NA	NA	NA	NA
MW-12S	03/17/03	6.90	<1	<1	<1	<2	<5	<1	<0.02	<0.2	<0.2	<0.2	NA	NA
	11/13/03	11.31	<1	<1	<1	<2	<5	<1	<0.02	NA	NA	NA	NA	NA
	02/18/04	12.31	1300	1600	300	480	3680	37	2.8	NA	NA	NA	NA	NA
	10/06/04	5.54	<1	<1	<1	<2	<5	<1	<0.02	NA	NA	NA	NA	NA
MW-12D	10/06/04	10.00	<1	<1	<1	<2	<5	24	<0.02	NA	NA	NA	NA	NA
	07/30/12							CNL						
	11/05/12							CNL						
08/09/10	13.55	0.28 U	0.24 U	0.25 U	0.68 U	BDL	0.21 U	NA	NA	NA	NA	NA	NA	
MW-16S	06/28/04	8.60	<1	<1	<1	<2	<5	<1	NA	NA	NA	NA	NA	NA
	06/06/06	7.11	<1	<1	<1	<1	<5	<1	NA	NA	NA	NA	NA	NA
	03/26/07	6.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-18S	03/17/03	5.11	130	6.4	19	5.6	161	200	<0.02	27	6	1	NA	NA
	06/02/03	8.77	110	12	30	<20	152	100	<0.02	94	9.9	14	NA	NA
	11/14/03	11.25	250	15	190	75	530	<50	0.07	80	12	20	NA	NA
	06/29/04	12.37	1300	1500	450	4500	7850	130	NA	NA	NA	NA	NA	NA
	10/06/04	5.01	100	41	25	450	616	150	0.2	81	28	50	NA	NA
	09/22/05	8.27	340	2.4	88	<20	430.4	36	NA	NA	NA	NA	620	NA

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Location	Date														
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15	
MW-19S		11/14/03	12.71	2100	1800	350	4500	8750	730	6	270	75	150	NA	NA
		06/29/04	13.88	1300	1500	450	4600	7850	130	NA	NA	NA	NA	NA	NA
		10/06/04	6.35	100	41	25	450	616	150	0.2	81	28	50	NA	NA
		06/06/06	11.94	270	36	<1.0	150	456	140	NA	NA	NA	NA	2400	NA
		12/01/06	15.79	480	250	620	1000	2350	32.1	NA	91	15	26	4700	NA
		04/04/07	14.34	945	2130 V	352	1830	5257	98.0 I	NA	NA	NA	NA	10800	NA
		06/20/07	21.14	752	4210	936	4440	10338	<3.1	NA	NA	NA	NA	10500	NA
		09/11/07	15.67	1160	4500	521	2520	8701	<39	NA	NA	NA	NA	13200	NA
		12/11/07	15.29	2290	3180	488	2170	8128	<16	NA	NA	NA	NA	6,730	NA
		03/13/08	12.43	3.16	1.33	0.850 i	9.23	14.57	2.72 i	NA	NA	NA	NA	0.00 i	NA
		06/30/08	14.24	31.1	18.4	3.15	22.3	74.95	4.74 i	NA	NA	NA	NA	2,980	NA
	09/24/08	11.01	31.4	1.75	0.540 i	2.34 i	36.03	5.42	NA	NA	NA	NA	473 i	NA	
	01/06/09	13.42	1.19	ND[0.470]	ND[0.520]	1.19 i	3.37	0.490 i	NA	NA	NA	NA	NA	NA	
MW-21S		06/02/03	11.00	<1	<1	<1	<2	<5	<10	<0.02	<0.02	<0.02	<0.02	NA	NA
		02/18/04	14.02	<1	<1	<1	<2	<5	<1	NA	NA	NA	NA	NA	NA
MW-22I		06/02/03	16.55	<10	10	<10	<20	10	<100	<0.02	<0.2	<0.2	<0.2	NA	NA
		06/28/04	19.34	<1	<1	<1	<2	<5	4.8	NA	NA	NA	NA	NA	NA
		06/06/06	18.22	2.9	<1	<1	<2	<5	<5	NA	NA	NA	NA	NA	NA
MW-22IR		08/26/10	10.18	55	5.1	60	18	138.1	26	NA	NA	NA	NA	NA	NA
		06/14/11	15.23	0.28 U	0.24 U	0.25 U	0.68 U	BDL	18	NA	NA	NA	NA	NA	NA
		04/03/12	15.03	71	1.0	17	5.1	94.1	16	NA	NA	NA	NA	NA	NA
		07/30/12	10.21	85	0.81 I	25	31	141.81	15	NA	NA	NA	NA	NA	NA
		11/05/12	10.68	93	8.0	66	69	236	15	NA	NA	NA	NA	NA	NA
		03/08/13	11.57	19	0.91 I	9.0	3.3	32.21	9.4	NA	NA	NA	NA	NA	NA
		01/21/14	10.82	8.9	3.2	92	200	304.1	32	NA	NA	NA	NA	NA	NA
		09/09/15	8.30	7.2	1.5	280	18.7	307.4	5.1	NA	32.9	9.4	8.8	NA	NA
		12/17/15	11.27	11.7	1.5	280	15.4	308.6	6.1	NA	24	8.0	6.7	NA	NA
		03/24/16	10.05	11.8 I	12.5 U	569	891	1484.3	12.5 U	NA	73.9	18.6	19.3	NA	NA
		06/23/16	9.80	8.1	1.9 I	260.0	45	320	4.9	NA	NA	NA	NA	NA	NA
		09/14/16	9.04	4.9	0.45 U	130	32	170	3	NA	NA	NA	NA	NA	NA
		12/12/16	11.60	0.18 U	0.49 U	11	1.4 U	12	5.0	NA	NA	NA	NA	NA	NA
		03/28/17	12.74	0.18 U	0.49 U	0.38 U	1.1 U	2	0.24 U	NA	NA	NA	NA	NA	NA
		07/13/17	11.24	0.16 U	0.23 U	0.24 U	0.53 U	2	0.17 U	NA	NA	NA	NA	NA	NA
		10/10/17	8.15	6.3	1.1	35	80	120	2.3	NA	NA	NA	NA	NA	NA
		01/17/18	9.51	0.62 I	0.49 U	1.0	1.1 U	1.6	3.0	NA	NA	NA	NA	NA	NA
		04/12/18	9.36	0.18 U	0.54 I	0.38 U	1.8 I	2.2 I	1.9	NA	NA	NA	NA	NA	NA
		07/17/18	8.80	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.84 I	NA	NA	NA	NA	NA	NA
		10/22/18	9.71	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	2.4	NA	NA	NA	NA	NA	NA
		02/28/19	7.53	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	1.4	NA	NA	NA	NA	NA	NA
		05/23/19	10.96	0.18 U	0.49 U	0.38 U	3.1	<4.15	0.24 U	NA	NA	NA	NA	NA	NA
		9/18/19	10.25	0.18 U	0.49 U	100	1.1 U	100	0.24 U	NA	NA	NA	NA	NA	NA
	12/11/19	12.01	0.18 U	0.49 U	8.1	32	<40.77	2.0	NA	NA	NA	NA	NA	NA	
	03/25/20	11.64	0.18 U	0.49 U	8.4	7.4	<16.47	0.24 U	NA	NA	NA	NA	NA	NA	
	06/17/20	10.60	0.18 U	0.49 U	2.9	4.0	6.9	0.64 I	NA	NA	NA	NA	NA	NA	
	03/29/22	7.42	1.6	0.49 U	230	320	552	0.24 U	NA	NA	NA	NA	NA	NA	

TABLE 4: Groundwater Analytical Summary

Facility Name: Shadd Property &  
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Lake Butler, Union County, Florida

Facility ID#: 63 9807182

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Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-23S	04/01/93		16,000	18,000	1,200	8,000	43,200	270,000	9	220	41	41	NA	22
	08/09/10		490	2,600	370	2,800	6,250	67	0.87	NA	NA	NA	NA	NA
	07/19/11	19.35	62	4.1	94	250	410	110	0.032	22	4.9	8.2	NA	NA
	07/30/12		Abandoned											
MW-23SR	04/04/12	19.82	390	1,300	230	1,400	3,320	64	0.031	78	25	48	3,800	NA
	07/31/12	14.27	98	220	160	940	1,418	150	NA	20	6.5	11	NA	NA
	11/06/12	14.90	400	1,000	280	1,900	3,580	240	NA	110	35	56	NA	NA
	03/07/13	16.38	230	560	270	1,200	2,260	280	NA	32	9.4	16	NA	NA
	01/21/14	15.40	390	850	260	1,100	2,600	240	NA	27	5.5	8.6	NA	NA
	09/10/15	12.72	649	932	188	970	2,739	166	0.08	NA	NA	NA	NA	NA
	12/17/15	17.30	3,660	6,800	846	5,090	16,396	739	0.18	NA	NA	NA	NA	NA
	03/24/16	15.07	1,660	3,900	667	3,460	9,687	313	0.31	NA	NA	NA	NA	NA
	06/23/16	14.76	2,000	5,800	690	3,800	12,000	390	0.35	94	15	23	NA	NA
	09/14/16	14.50	1,400	3,500	540	2,800	8,200	330	0.013 U	92	16	23	NA	NA
	12/12/16	16.33	1,200	1,500	830	2,800	6,300	510	0.020 U	160	25	40	NA	NA
	03/28/17	18.15	890	2,400	330	2,000	5,600	210	0.013 U	65	9.0	13	NA	NA
	07/13/17	15.65	370	910	260	1,600	3,140	150	0.020 U	59	13.0	19	NA	NA
	10/10/17	13.80	160	110	130	270	670	130	0.013 U	21	5.4	7.0	NA	NA
	01/17/18	14.63	1.8 U	5.4 I	4.1 I	11 U	10	120	0.013 U	120	25	40	NA	NA
	04/12/18	14.64	200	190	130	220	740	88	0.015 U	32	10	4.0	NA	NA
	07/17/18	14.80	0.18 U	0.49 U	4.2	1.1 U	<5.97	41	0.013 U	37	9.0	11	NA	NA
	10/22/18	14.57	160	350	85	510	1100	52	0.015 U	29	7.5	9.9	NA	NA
	02/28/19	13.83	38	180	28	230	476	21	0.015 U	12	2.8	3.8	NA	NA
	05/23/19	15.71	210	370	130	500	1210	56	0.015 U	51	15	20	NA	NA
9/18/19	14.73	100	120	67	320	610	27	0.015 U	22	7.3	8.5	NA	NA	
12/11/19	16.83	190	330	130	660	1310	45	0.015 U	34	9.6	12	NA	NA	
03/25/20	16.57	28	43	17	84	172	9.8	0.015 U	9.7	3.1	3.7	NA	NA	
06/17/20	15.50	46	250	180	840	1,316	12	0.015 U	33	6.4	9.2	NA	NA	
03/29/22	12.53	21	90	40	310	461	2.8	NA	NA	NA	NA	NA	NA	
MW-24 S	04/02/03	13.44	38.4	0.65	1.3	2.7	43.05	37.4	NA	1.1	<2	<2	<250	NA
	10/06/04	11.95	<1	<1	<1	<2	<5	6.5	<0.02	NA	NA	NA	NA	NA
	08/09/10	14.06	0.28 U	0.24 U	0.25 U	0.68 U	BDL	0.45 I	NA	NA	NA	NA	NA	2,000 U
MW-25 S	01/24/02	16.95	<1	<1	<1	<2	<5	<10	NA	NA	NA	NA	NA	NA
	03/17/03	7.60	1.4	<1	<1	<2	1.4	<1	NA	<0.2	<0.2	<0.2	NA	NA
	06/02/03	10.35	2.4	<1	<1	<2	2.4	<10	<0.02	<0.2	<0.2	<0.2	NA	NA
	11/14/03	12.16	4.6	<1	<1	<2	4.6	12	<0.02	NA	NA	NA	NA	NA
	10/06/04	5.57	<1	<1	<1	<2	<5	<1	NA	NA	NA	NA	NA	NA
	06/20/07		CNL											
MW-26S	06/20/07	16.03	Free Product											
	09/11/07	15.29	6.00	7.59	2.48	16.0	32.07	1.49 I	NA	NA	NA	NA	6800	NA
	12/11/07	15.15	9.98	19.1	4.33	24.1	57.51	1.12 I	NA	NA	NA	NA	392 I	NA
	03/13/08	11.90	14.40	6.32	1.64	28.3	50.66	3.74 I	NA	0.0894 I	ND[0.032]	ND[0.098]	225 I	NA
	06/30/08	14.35	8.64	1.44	0.610 I	2.45 I	13.14	1.09 I	NA	NA	NA	NA	491 I	NA
	09/24/08	10.78	ND[0.17]	ND[0.21]	ND[0.17]	ND[0.55]	1.10	0.590 I	NA	NA	NA	NA	182 I	NA
	01/06/09	12.93	12.80	ND[0.470]	ND[0.520]	ND[0.980]	14.77	0.960 I	NA	NA	NA	NA	NA	NA

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Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-26 C	04/02/03	14.17	49.5	119	11.6	69.3	249.4	95.9	NA	<2.1	<2.1	<2.1	3740	NA
	08/09/10	14.45	2.1	93	44	210	349.1	10	NA	NA	NA	NA	NA	NA
	07/30/12								Abandoned					
MW-26CR	04/04/12	19.80	19	79	51	450	599	26	0.0060 U	30	12	22	2,700	NA
	07/31/12	13.98	42	240	63	630	975	20	NA	16	7.4	13	NA	NA
	11/06/12	14.93	8.9	57	29	260	354.9	2.9	NA	12	5.6	10	NA	NA
	03/07/13	16.35	17	110	51	600	778	5.6 I	NA	14	10	19	NA	NA
	01/21/14	15.45	4.5	9.6	10	150	174.1	0.44 U	NA	NA	NA	NA	NA	NA
	09/10/15	12.67	0.26 I	0.50 U	0.50 U	0.50 U	1.76	0.50 U	NA	1.0 U	1.0 U	1.0 U	NA	NA
	12/17/15	16.08	6.9	326	49.9	814	1196.8	9.4	NA	1.51	1.41	2.3	NA	NA
	03/24/16	14.77	3.4 I	59.9	14.5	240	317.8	5.0 U	NA	2.01	1.41	4.6	NA	NA
	06/23/16	13.66	2.1	5.2	3.2	22	32	0.34 U	NA	NA	NA	NA	NA	NA
	09/14/16	13.15	0.86 I	1.3	0.92 I	8	11	0.41 U	NA	NA	NA	NA	NA	NA
	12/12/16	15.36	0.94 I	0.98 I	0.71 I	8.6	11	0.79 I	NA	NA	NA	NA	NA	NA
	03/28/17	16.84	0.18 U	0.49 U	0.38 U	1.6 I	1.6 I	0.24 U	NA	NA	NA	NA	NA	NA
	07/14/17	15.13	0.16 U	0.53 I	0.24 U	5.0	6	0.88 I	NA	NA	NA	NA	NA	NA
	10/10/17	11.61	0.18 U	0.49 U	0.38 U	6.6	6.6	0.24 U	NA	NA	NA	NA	NA	NA
	01/17/18	14.26	0.18 U	0.49 U	0.38 U	17	17	2.5	NA	NA	NA	NA	NA	NA
	04/12/18	14.36	0.18 U	1.6	0.53 I	2.6	4.7	0.24 U	NA	NA	NA	NA	NA	NA
	07/17/18	13.23	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA
	10/22/18	13.42	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA
	02/28/19	13.28	0.18 U	0.49 U	1.0	4.0	<5.67	1.7	NA	NA	NA	NA	NA	NA
	05/23/19	14.96	0.18 U	0.49 U	0.38 U	5.9	<6.95	0.24 U	NA	NA	NA	NA	NA	NA
	9/18/19	12.08	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA
12/11/19	15.85	0.29 I	0.78 I	0.38 U	1.1 U	<2.55 I	0.24 U	NA	NA	NA	NA	NA	NA	
3/25/20	15.65	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA	
06/17/20	15.03	0.18 U	1.2	0.38 U	3.6	4.8	0.24 U	NA	NA	NA	NA	NA	NA	
03/29/22	12.24	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA	
MW-27 IR	08/26/10	16.00	0.68 I	4.4	3.6	12	20.68	0.21 U	NA	NA	NA	NA	NA	NA
MW-27 C	04/02/03	14.07	435	831	361	2660	4287	20.1	NA	50.9	15.4	30	5034	NA
	08/09/10	14.43	2.4	18	64	750	834.4	22	NA	NA	NA	NA	NA	NA
	07/30/12								Abandoned					

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Location	Date														
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15	
MW-27CR		04/04/12	19.56	2.9 I	44	58	580	682	6.4 I	0.041	12	5.6	9.0	2,100	NA
		07/31/12	13.77	31	300	150	1,500	1,981	151	NA	NA	NA	NA	NA	NA
		11/06/12	14.65	31	310	150	1,700	2,191	21	NA	NA	NA	NA	NA	NA
		03/07/13	16.07	20	110	130	1,200	1,460	131	NA	NA	NA	NA	NA	NA
		01/21/14	15.22	16	46	97	710	869	8.3	1.3	NA	NA	NA	NA	NA
		09/10/15	12.67	0.54 I	3.1	4.7	43.1	51.44	0.50 U	0.011	NA	NA	NA	NA	NA
		12/17/15	16.95	0.82 I	35	40.5	708.0	784.32	0.50 U	0.043	NA	NA	NA	NA	NA
		03/24/16	14.82	1.0 U	17.8	15.7	333.0	367.50	6.0 I	0.25	NA	NA	NA	NA	NA
		06/23/16	14.05	2.7 I	6.8	2.8 I	79	91	4.0 I	0.72	NA	NA	NA	NA	NA
		09/14/16	13.66	1.1	21	13.0	260	300	6.9	0.013 U	NA	NA	NA	NA	NA
		12/12/16	16.15	0.34 U	5.7	5.0	120	130	3.5	0.020 U	NA	NA	NA	NA	NA
		03/28/17	17.82	0.18 U	9.9	8.7	140	160	1.1	0.013 U	NA	NA	NA	NA	NA
		07/14/17	15.31	0.39 I	0.47 I	0.81 I	22	24	0.85 I	0.15	NA	NA	NA	NA	NA
		10/10/17	11.89	0.18 U	0.49 U	0.38 U	5.2	5.2	0.24 U	0.013 U	NA	NA	NA	NA	NA
		01/17/18	14.30	42	0.66 I	0.71 I	12	55	0.24 U	0.013 U	NA	NA	NA	NA	NA
		04/12/18	14.53	0.18 U	0.49 U	0.38 U	2.7	2.7	0.24 U	0.0015 U	NA	NA	NA	NA	NA
		07/17/18	13.58	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	0.050 I	NA	NA	NA	NA	NA
		10/22/18	13.79	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	0.015 U	NA	NA	NA	NA	NA
		02/28/19	13.40	0.18 U	0.49 U	0.84 I	3.0	<4.51 I	0.24 U	0.015 U	NA	NA	NA	NA	NA
		05/23/19	15.17	0.18 U	0.49 U	0.38 U	6.4	<7.45	0.24 U	0.015 U	NA	NA	NA	NA	NA
	9/18/19	14.05	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	0.015 U	NA	NA	NA	NA	NA	
	12/11/19	16.36	0.18 U	1.2	0.38 U	2.9	<4.66	0.24 U	0.015 U	NA	NA	NA	NA	NA	
	03/25/20	16.19	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	0.015 U	NA	NA	NA	NA	NA	
	06/17/20	15.35	0.18 U	2.0	8.6	35	45.6	0.24 U	0.015 U	NA	NA	NA	NA	NA	
	03/29/22	11.99	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA	
MW-28S		04/02/07		0.730 I	0.800 IV	0.180 I	0.630 I	2.34	1.97 I	NA	<0.078	<0.036	<0.11	442	NA
MW-28I		11/14/03	16.02	1.8	1.2	71	<2	74	<10	NA	NA	NA	NA	NA	NA
		02/18/04	16.85	4.1	9.8	53	7.5	74.4	4.2	NA	NA	NA	NA	NA	NA
		10/06/04	10.40	480	4.5	110	44	638.5	63	NA	NA	NA	NA	NA	NA
		09/22/05	12.91	43	2.6	330	<20	375.6	6	NA	NA	NA	NA	NA	NA
MW-28 C		04/02/03	14.25	57.2	158	109	454	778.2	146	NA	<2	<2	<2	2230	NA
		06/06/06	18.50	54	49	73	410	586	44	NA	NA	NA	NA	2.3	NA
		03/27/07	20.48	0.730 iv	0.800 iv	0.180 i	0.630 i		1.97 i	NA	<0.078	<0.036	<0.11	442	NA
MW-29S		01/24/02	15.43	1900	1000	1100	7900	11900	<1,000	NA	NA	NA	NA	NA	NA
		02/19/04	12.40	240	2900	1000	7800	11940	290	NA	NA	NA	NA	NA	NA
		09/22/05	9.81	73	4.5	6.2	96	179.7	16	<0.01	31	21	40	1500	NA
MW-29C		04/02/03	13.88	835	1460	401	5200	7896	277	NA	257	46.4	106	14900	NA
		03/14/08	19.29	ND[0.21]	0.260 i	ND[0.20]	ND[0.60]	1.27	ND[0.78]	NA	ND[0.070]	ND[0.032]	ND[0.032]	217 i	NA
MW-30S		01/24/02	16.77	<1	<1	<1	<2	<2	<10	NA	NA	NA	NA	NA	NA
		06/28/04	14.90	<1	<1	<1	<2	<5	<1	NA	NA	NA	NA	NA	NA
		03/27/07	19.10	1.85	1.42 V	2.29	198	203.56	2.17	NA	NA	NA	NA	NA	NA
		08/09/10	9.68	0.28 U	0.24 U	0.25 U	0.68 U	BDL	0.21 U	NA	NA	NA	NA	NA	NA

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Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-30C	04/02/03	13.12	904	278	773	4570	6525	64.1	NA	249	60.6	157	10600	NA
	12/11/07								CNL					
	03/14/08	18.62	ND[0.21]	0.300 i	ND[0.20]	ND[0.60]	1.31	ND[0.78]	NA	ND[0.070]	ND[0.032]	ND[0.098]	ND[150]	NA
	06/30/08	19.45	ND[0.17]	ND[0.21]	ND[0.17]	ND[0.55]	1.1	ND[0.20]	NA	NA	NA	NA	ND[150]	NA
	09/24/08	16.32	2.65	0.490 i	2.54	18.7	24.38	4.43 i	NA	NA	NA	NA	4610	NA
	01/06/09	18.81	ND[0.350]	ND[0.470]	ND[0.520]	ND[0.980]	2.32	ND[0.440]	NA	NA	NA	NA	NA	NA
	08/09/10	13.44	160	480	120	960	1720	2.6	NA	NA	NA	NA	NA	NA
	07/19/11	18.54	72	1.3	1.9	18	93.2	1.9	NA	NA	NA	NA	NA	NA
	04/04/12	18.66	13	0.24 U	0.25 U	1.5 I	13	0.50 I	0.35	4.2	1.3	1.9	380	NA
	07/31/12	12.80	360	710	240	1,600	2,910	4	NA	NA	NA	NA	NA	NA
	11/06/12	13.55	130	300	77	850	1,357	2.6 U	NA	NA	NA	NA	NA	NA
	03/07/13	15.05	210	190	110	1,900	2,410	3.8 I	NA	NA	NA	NA	NA	NA
	01/21/14	13.42	170	530	200	1,300	2,200	4.4 U	3.7	NA	NA	NA	NA	NA
	09/10/15	12.86	21.5	509	196	2,110	2,836.5	0.50 U	0.12	NA	NA	NA	NA	NA
	12/17/15	16.50	0.10 U	0.50 U	0.50 U	0.50 U	1.6	0.50 U	0.0067 I	NA	NA	NA	NA	NA
	03/24/16	13.75	0.65 I	2.3	2.6	16	21.6	0.50 U	0.034	NA	NA	NA	NA	NA
	06/23/16	13.80	1.7 I	3.4	2.0 I	12	19	0.51 U	0.11	NA	NA	NA	NA	NA
	09/14/16	13.36	2.8	35	16.0	150	200	0.41 U	0.013 U	NA	NA	NA	NA	NA
	12/12/16	14.45	0.34 U	0.45 U	0.26 U	1.3 U	<2.35	0.41 U	0.020 U	NA	NA	NA	NA	NA
	03/28/17	17.71	0.18 U	1.2	0.44 I	2.7	4.3	0.24 U	0.013 U	NA	NA	NA	NA	NA
	07/14/17	14.37	0.89 I	4.8	3	61.0	70.0	0.29 I	0.24	NA	NA	NA	NA	NA
	10/10/17	12.75	0.18 U	2.3	1.2	16	20	0.24 U	0.013 U	NA	NA	NA	NA	NA
	01/17/18	13.37	0.18 U	3.0	1.7	24	29	0.24 U	0.013 U	NA	NA	NA	NA	NA
	04/12/18	13.21	0.18 U	2.3	1.2	3.9	7.4	0.24 U	0.015 U	NA	NA	NA	NA	NA
	07/17/18	13.25	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	0.060 I	NA	NA	NA	NA	NA
	10/22/18	13.79	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	0.015 U	NA	NA	NA	NA	NA
	02/28/19	12.45	0.24 I	0.57 I	2.7	25	28.51 I	0.24 U	0.015 U	NA	NA	NA	NA	NA
05/23/19	14.54	0.18 U	0.49 U	0.38 U	9.6	<10.65	0.24 U	0.015 U	NA	NA	NA	NA	NA	
9/18/19	13.27	0.18 U	0.49 U	12	120	130	0.24 U	0.015 U	NA	NA	NA	NA	NA	
12/11/19	15.65	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	0.015 U	NA	NA	NA	NA	NA	
03/25/20	15.38	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	0.015 U	NA	NA	NA	NA	NA	
06/17/20	14.25	0.18 U	0.49 U	0.38 U	6.2	6.2	0.24 U	0.015 U	NA	NA	NA	NA	NA	
03/29/22	11.04	0.72 I	2.3	6.7	61	71	0.24 U	NA	NA	NA	NA	NA	NA	
MW-31S	01/24/02	12.78	<1	<1	<1	<2	<2	<10	NA	NA	NA	NA	NA	NA
MW-31I	03/17/03	8.63	<1	<1	<1	<2	<5	<1	NA	<0.2	<0.2	<0.2	NA	NA
MW-31C	04/02/03	13.82	<1	<1	<1	<3	<6	92.2	NA	<2.1	<2.1	<2.1	296	NA
	08/30/06	19.42	<1	<1	<1	<3	<6	1.5	NA	NA	NA	NA	NA	NA
	08/09/10	14.42	12	2.1	4.5	38	56.6	22	NA	NA	NA	NA	NA	NA
	07/31/12	13.74	0.86 I	0.14 U	0.16 U	0.44 U	0.86	22	NA	NA	NA	NA	NA	NA
	11/06/12	14.60	0.13 U	0.14 U	0.26 I	1.1 I	1.36	4.0	NA	NA	NA	NA	NA	NA
	03/07/13	15.88	0.13 U	0.14 U	0.16 U	0.44 U	<0.87	2.8	NA	NA	NA	NA	NA	NA
MW-32S	06/20/07	13.69	<0.06	0.160 i	<0.10	0.20 i	0.36	12.3	NA	NA	NA	NA	NA	NA
	09/11/07	18.19	2.89	17.0	2.39	12.9	35.18	38.1	NA	NA	NA	NA	NA	NA
MW-32I	08/30/06	NM	3.1	<1	<1	<2	3.1	70	NA	NA	NA	NA	NA	NA

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EDB = 1,2-Dibromoethane  
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Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead	
Location	Date														
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15	
MW-335		06/02/03	11.35	760	27	1200	180	2167	570	<0.02	900	130	210	NA	NA
		11/14/03	13.65	660	<10	890	170	1720	280	<0.02	NA	NA	NA	NA	NA
		02/18/04	14.00	150	<10	200	25	375	120	NA	NA	NA	NA	NA	NA
		09/22/05	11.13	280	35	350	63	728	160	<0.01	390	43	25	4600	NA
		06/20/07								Well Dry					
		09/11/07								Well Dry					
		12/12/07								Well Dry					
		03/14/08								Insufficient Water for Sampling					
		06/30/08								Well Dry					
		09/24/08	12.03	139	2.81	258	22.4	422.21	118	NA	NA	NA	NA	NA	NA
		01/06/09								Insufficient Water for Sampling					
	08/23/11	12.60	75	0.62 l	16	9.1	100.72	46	NA	410	52	23	NA	NA	
	10/21/11	11.29	31	1.6	120, D5	22	174.6	21	NA	650, D40	89, D40	90, D40	NA	NA	
MW-331		01/24/02	22.33	<1	<1	<1	<2	<5	<10	NA	NA	NA	NA	NA	NA
		06/02/03	17.55	<1	<1	<1	<2	<5	<10	<0.02	<0.2	<0.2	<0.2	NA	NA
		11/14/03	18.95	<1	<1	<1	<2	<5	<10	<0.02	NA	NA	NA	NA	NA
		08/23/11	19.88	0.028 U	0.024 U	0.025 U	0.068 U	<1.45	0.021 U	NA	0.022 U	0.021 U	0.022 U	NA	NA
		10/21/11	18.47	0.28 U	0.24 U	0.25 U	0.68 U	<1.45	0.21 U	NA	0.039 l	0.022 U	0.023 U	NA	NA
MW-345		09/22/05	11.44	<1	<1	<1	<5	<5	NA	NA	NA	NA	NA	NA	
MW-355		07/01/91	7	BDL	BDL	17	24	BDL	BDL	BDL	NA	NA	NA	NA	BDL
		07/01/91	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
		02/09/98	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
		05/29/98	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA
		08/19/99	98	3.0	4.6	260	366	BDL	NA	NA	NA	NA	NA	NA	NA
		08/30/06	<1	<1	<1	<2	<5	6.8	NA	NA	NA	NA	NA	NA	NA
		08/23/2011	12.65	0.28 U	0.24 l	0.25 U	0.68 U	<1.45	0.21 U	NA	0.022 U	0.021 U	0.022 U	NA	NA
		10/21/2011	11.38	0.28 U	0.24 U	0.25 U	0.68 U	<1.45	0.21 U	NA	0.023 U	0.022 U	0.023 U	NA	NA
MW-365		03/17/03	NM	<1	<1	<1	<2	<5	<1	<0.02	<0.2	<0.2	<0.2	NA	NA
		11/14/03	13.10	6.6	3	<1	18	27.6	<10	<0.02	NA	NA	NA	NA	NA
		10/06/04	NM	160	87	35	170	452	26	NA	NA	NA	NA	NA	NA
		12/01/06	16.23	260	440	100	470	1270	<9.5	NA	NA	NA	NA	NA	NA
		06/20/07	17.43	303	402	84.2	443	1232.2	<0.31	NA	NA	NA	NA	NA	NA
		09/11/07	16.12	46.2	74.9	18.5	129	268.6	<0.78	NA	NA	NA	NA	NA	NA
		12/12/07	15.93	128	124	36.3	267	555.3	<0.78	NA	NA	NA	NA	NA	NA
		03/13/08	13.10	ND[0.17] Q	0.240 lq	ND[0.17] Q	ND[0.55] Q	1.13	ND[0.20] Q	NA	NA	NA	NA	NA	NA
		06/30/08	14.84	ND[0.17]	0.260 l	ND[0.17]	ND[0.55]	1.15	ND[0.20]	NA	NA	NA	NA	NA	NA
		09/24/08	11.52	0.260 l	0.600 i	ND[0.17]	0.690 i	1.72	0.590 i	NA	NA	NA	NA	NA	NA
	01/06/09	14.02	ND[0.350]	ND[0.470]	ND[0.520]	ND[0.980]	2.32	ND[0.440]	NA	NA	NA	NA	NA	NA	

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Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-375	08/30/06	9.87	<1	<1	<1	<2	<5	1.8	NA	<1	<1	<1	1000	NA
	01/30/08	9.92	0.210 l	1.72	0.960 l	0.620 l	3.53	ND[0.78]	NA	NA	NA	NA	156 l	NA
MW-385	08/30/06	15.08	<1	<1	<1	<2	<5	6.8	NA	NA	NA	NA	NA	NA
MW-385R	08/26/10	11.98	8.3	2.7	29	70	110	33	NA	NA	NA	NA	NA	NA
	07/19/11	13.62	13	10	130	140	293	52	NA	NA	NA	NA	NA	NA
	04/04/12	13.74	61 l	79 l	340	2,000	2,480	120	NA	NA	NA	NA	NA	NA
	07/31/12	8.6 (submerged)	24	4.9 l	110	210	349	42	NA	NA	NA	NA	NA	NA
	11/06/12	9.04 (submerged)	18	0.67 l	60	51	130	57	NA	NA	NA	NA	NA	NA
	03/07/13	10.42	4.6	0.14 U	15	3.0	23	15	NA	NA	NA	NA	NA	NA
	01/21/14	9.7 (submerged)	22	0.79 l	59	140	222	26	NA	NA	NA	NA	NA	NA
	09/09/15	7.11 (submerged)	12.4	0.50 U	7.6	12.4	32.9	3.7	NA	NA	NA	NA	NA	NA
	12/17/15	10.16	0.10 U	0.50 U	0.50 U	0.50 U	1.6	NA	NA	NA	NA	NA	NA	NA
	03/24/16	9.24 (submerged)	0.10 U	0.50 U	0.50 U	1.5 U	2.6	NA	NA	NA	NA	NA	NA	NA
	06/23/16	8.45 (submerged)	0.16 U	0.23 U	0.24 U	0.59 l	0.59 l	0.17 U	NA	NA	NA	NA	NA	NA
	09/14/16	7.21 (submerged)	0.15 U	0.45 U	0.26 U	1.3 U	<2.16	0.41 U	NA	NA	NA	NA	NA	NA
	12/12/16	10.35	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA
	03/28/17	11.29	0.18 U	0.49 U	0.38 U	1.1 U	BDL	0.24 U	NA	NA	NA	NA	NA	NA
	07/13/17	9.63 (submerged)	0.16 U	0.23 U	0.24 U	0.53 U	BDL	0.17 U	NA	NA	NA	NA	NA	NA
	10/10/17	7.11 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	BDL	0.24 U	NA	NA	NA	NA	NA	NA
	01/17/18	8.8 (submerged)	0.67 l	0.49 U	1.0	1.1 U	1.6	2.6	NA	NA	NA	NA	NA	NA
	04/12/18	8.79 (submerged)	0.18 U	0.49 U	0.63 l	1.1 U	NA	3.9	NA	NA	NA	NA	NA	NA
	07/17/18	8.62 (submerged)	9.8	0.49 U	0.38 U	1.1 U	<11.77	4.0	NA	NA	NA	NA	NA	NA
	10/22/18	8.55 (submerged)	1.8	0.49 U	0.38 U	1.1 U	1.8	1.7	NA	NA	NA	NA	NA	NA
	02/28/19	7.87 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA
	05/23/19	9.70 (submerged)	0.18 U	0.49 U	8.8	4.3	<13.77	0.24 U	NA	NA	NA	NA	NA	NA
	9/18/19	9.20 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA
12/11/19	10.92	0.68 l	0.49 U	0.38 U	1.1 U	<2.65 l	0.24 U	NA	NA	NA	NA	NA	NA	
03/25/20	10.42	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA	
06/17/20	9.69 (submerged)	0.18 U	0.49 U	0.38 U	3.5	3.5	0.24 U	NA	NA	NA	NA	NA	NA	
03/29/22	6.87 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	NA	
MW-38l	01/24/02	20.73	<1	<1	<1	<2	<5	<10	NA	NA	NA	NA	NA	NA
	03/17/03	NM	<1	<1	<1	<2	<5	63	<0.02	<0.2	<0.2	<0.2	NA	NA
	06/02/03	15.92	<1	<1	<1	<2	<5	63	<0.02	<0.2	<0.2	<0.2	NA	NA
	11/13/03	17.37	<1	<1	<1	<2	<5	34	<0.02	NA	NA	NA	NA	NA
	06/28/04	19.34	<1	<1	<1	<2	<5	38	<0.02	NA	NA	NA	NA	NA
	09/22/05	NM	<1	<1	<1	<2	<5	8	NA	NA	NA	NA	NA	NA
	08/30/06	19.61	<1	<1	<1	<2	<5	<5	NA	NA	NA	NA	NA	NA

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Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-39I	06/02/03	16.78	NA	NA	NA	NA	NA	NA	NA	2	1	2	NA	NA
MW-40I	01/23/02	13.83	11	<1	<1	<2	<15	220	NA	NA	NA	NA	NA	NA
MW-40IR	08/26/10	10.34	85	0.24 U	0.25 U	1.8 I	86.8	98	NA	NA	NA	NA	NA	NA
	06/14/11	15.75	43	0.24 U	0.25 U	0.68 U	43	35	NA	NA	NA	NA	NA	NA
	04/03/12	15.46	30	0.24 U	0.25 U	0.68 U	30	24	NA	NA	NA	NA	NA	NA
	07/30/12	10.60	20	0.14 U	0.16 U	0.44 U	20	22	NA	NA	NA	NA	NA	NA
	11/05/12	10.96	18	0.14 U	0.16 U	0.44 U	18	22	NA	NA	NA	NA	NA	NA
	03/08/13	12.00	16	0.14 U	0.20 I	0.52 I	16.72	15	NA	NA	NA	NA	NA	NA
	01/21/14	11.82	10	0.51 U	0.44 U	0.50 U	10	16	NA	NA	NA	NA	NA	NA
	09/10/15	8.86	6.1	0.50 U	0.50 U	0.50 U	7.7	10.8	NA	NA	NA	NA	NA	NA
	12/17/15	12.14	6.1	0.50 U	0.50 U	0.50 U	7.6	14.7	NA	NA	NA	NA	NA	NA
	03/24/16	11.48	4.8	0.50 U	0.50 U	1.5 U	2.98	13	NA	NA	NA	NA	NA	NA
	06/23/16	10.99	4.1	0.23 U	0.24 U	0.53 U	4.1	12	NA	NA	NA	NA	NA	NA
	09/14/16	10.34	5.1	0.45 U	0.26 U	1.3 U	5.1	9.8	NA	NA	NA	NA	NA	NA
	12/12/16	12.80	0.34 U	0.45 U	0.26 U	1.3 U	<2.35	11	NA	NA	NA	NA	NA	NA
	03/28/17	13.65	3.4	0.49 U	0.38 U	1.1 U	3.4	11	NA	NA	NA	NA	NA	NA
	07/13/17	12.27	0.16 U	0.23 U	0.24 U	0.53 U	2.0	13	NA	NA	NA	NA	NA	NA
	10/10/17	9.29	2.3	0.49 U	0.38 U	1.1 U	2.3	9.9	NA	NA	NA	NA	NA	NA
	01/17/18	9.90	1.5	0.49 U	0.38 U	1.1 U	1.5	11	NA	NA	NA	NA	NA	NA
	04/12/18	9.93	2.7	0.49 U	0.38 U	1.1 U	2.7	9	NA	NA	NA	NA	NA	NA
	07/17/18	9.33	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	9	NA	NA	NA	NA	NA	NA
	10/22/18	10.52	0.64 I	0.49 U	0.38 U	1.1 U	0.64 I	7.2	NA	NA	NA	NA	NA	NA
	02/28/19	9.06	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	1.7	NA	NA	NA	NA	NA	NA
	05/23/19	11.93	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	8.0	NA	NA	NA	NA	NA	NA
	9/18/19	11.05	0.18 U	0.49 U	0.38 U	1.1 U	NA	0.24 U	NA	NA	NA	NA	NA	NA
12/11/19	12.91	1.5	0.49 U	0.38 U	1.1 U	<3.47	9.4	NA	NA	NA	NA	NA	NA	
03/25/20	12.68	2.2	0.49 U	0.38 U	1.1 U	<4.17	7.5	NA	NA	NA	NA	NA	NA	
06/17/20	11.58	1.8	0.49 U	0.38 U	1.1 U	1.8	6.8	NA	NA	NA	NA	NA	NA	
03/29/22	7.87	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	6.7	NA	NA	NA	NA	NA	NA	
MW-42I	01/23/02	21.28	<1	<1	<1	<2	<5	15	NA	NA	NA	NA	NA	NA
MW-44S	10/06/04	7.65	34	5.2	80	18	620	27	NA	NA	NA	NA	NA	NA
	06/06/06	13.53	35	5.5	33	2	75.5	6	NA	NA	NA	NA	NA	NA
	08/30/06	15.21	73	1.2	80	<1	154.2	20	NA	23	6	1.5	2000	NA
	03/27/07	15.56	152	2.70 IV	108	14.1	276.8	47.1	NA	NA	NA	NA	NA	NA
	06/20/07	17.28	25.9	6.14	9.54	23.8	65.38	56	NA	NA	NA	NA	NA	NA
	09/10/07	17.00	253	69.9	149	44.0	515.9	45.5	NA	NA	NA	NA	NA	NA
	12/12/07	16.82	121	2.74	100	5.9	229.65	23.2	NA	NA	NA	NA	NA	NA
	03/14/08	13.99	59.3	3.08	85	58.6	205.98	16.2	NA	NA	NA	NA	NA	NA
	06/30/08	15.69	95.6	4.64	92.6	61.8	254.64	25.4	NA	NA	NA	NA	NA	NA
	09/24/08	12.34	23.9	8.05 I	31.6	12.2 I	75.75	9.68 I	NA	NA	NA	NA	NA	NA
	01/06/09	14.90	110	9.61	185	91.8	396.41	18	NA	NA	NA	NA	NA	NA
	08/23/11	12.92	72	7.6	92 D10	32	203.6	12	NA	68 D4	20 D4	24 D4	NA	NA
	10/21/11	11.56	38, D10	4.0 LD10	66 D10	20 D10	128	7.6 LD10	NA	69 D5	23 D5	21 D5	NA	NA
MW-47S	11/30/06	18.11	2.4	30	5.6	29.6	67.6	0.81 I	NA	NA	NA	NA	NA	NA
	08/23/11	13.80	0.28 U	0.24 U	0.25 U	0.68 U	<1.45	1.9	NA	0.022 U	0.021 U	0.022 U	NA	NA
	10/21/11	12.47	0.28 U	0.24 U	0.25 U	0.68 U	<1.45	1.5	NA	0.023 U	0.022 U	0.023 U	NA	NA

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Location	Date														
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15	
MW-49I	06/28/04	21.45	<1	<1	<1	<2	<5	8.8	NA	NA	NA	NA	NA	NA	
	NA														
MW-55I	01/24/02	16.00	2.1	<1	<1	<2	<6.1	28	NA	NA	NA	NA	NA	NA	
	07/31/12	9.07	0.77 l	0.15 l	0.24 l	0.93 l	2.09	28	NA	NA	NA	NA	NA	NA	
	11/06/12	9.75	0.65 l	0.14 U	0.16 U	0.44 U	0.65	21	NA	NA	NA	NA	NA	NA	
	03/07/13	10.85	0.13 U	0.14 U	0.16 U	0.44 U	0.87	23	NA	NA	NA	NA	NA	NA	
	01/21/14	13.75	0.50 U	0.51 U	0.44 U	0.50 U	BDL	21	NA	NA	NA	NA	NA	NA	
	07/14/17	11.11	0.16 U	0.23 U	0.24 U	0.53 U	2	11	NA	NA	NA	NA	NA	NA	
	07/17/18	7.87	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	12	NA	NA	NA	NA	NA	NA	
MW-58S	05/04/05	13.25	6,600	17,000	2,200	14,000	39,800	6,800	2.8	420	62	110	NA	NA	
	08/09/10	15.38	490	2,600	370	2,800	6,260	67	0.87	NA	NA	NA	NA	NA	
	07/30/12	Abandoned													
MW-59S	05/04/05	11.95	<1	<1	<1	<3	<6	<5	<0.02	NA	NA	NA	NA	NA	
	08/30/06	18.65	<1	<1	<1	<3	<6	<5	NA	<1.1	<1.1	<1.1	<720	NA	
MW-60S	05/04/05	NA	460	7500	790	8400	17150	<250	6.9	NA	NA	NA	NA	NA	
	11/30/06	20.79	630	1300	250	1450	3630	96	NA	NA	NA	NA	15000	NA	
	06/20/07	20.75	534	536	148	1500	2718	108	NA	NA	NA	NA	5870	NA	
	09/10/07	20.75	483	1410	74.5	815	2783	252	NA	NA	NA	NA	7760	NA	
	12/11/07	20.39	35.4	174	26.1	384	620	49.2	NA	NA	NA	NA	1,740	NA	
	03/13/08	19.27	3.56	127	7.78	740	878	25.1	NA	NA	NA	NA	2,640	NA	
	06/30/08	19.65	0.850 l	7.13	3.15	86.1	97	5.83	NA	NA	NA	NA	1,160	NA	
	09/24/08	16.62	0.530 l	4.57	0.920 l	23.9	30	4.24 l	NA	NA	NA	NA	2,150	NA	
	01/06/09	18.99	0.720 l	6.66	7.81	85.1	100	20.3	NA	NA	NA	NA	NA	NA	
	04/23/09	17.71	0.67 l	18	8	150	177	29	0.83	ND[0.018]	ND[0.033]	ND[0.019]	NA	NA	
	07/01/09	17.16	1	22	5.8	120	149	11	NA	NA	NA	NA	NA	NA	
	09/21/09	15.42	2.4	140	43	350	535	12	NA	NA	NA	NA	NA	NA	
	02/16/10	14.02	ND[2.8]	100	37	340	480	ND[2.1]	NA	NA	NA	NA	NA	NA	
	08/09/10	13.99	3.0	91	100	560	754	5.3	2.5	NA	NA	NA	NA	2.0 U	
	07/19/11	18.73	2.8 U	130	72	550	752	7.7 l	NA	NA	NA	NA	NA	NA	
	07/31/12	13.21	0.97 l	6.1	6.4	92	105	0.84 l	NA	NA	NA	NA	NA	NA	
	11/06/12	13.97	7.2	23	140	730	900	3.4	NA	NA	NA	NA	NA	NA	
	03/07/13	15.32	2.7 l	130	91	610	834	2.4 l	NA	NA	NA	NA	NA	NA	
01/21/14	14.33	0.50 U	15	8.3	62	85	0.44 U	0.23	NA	NA	NA	NA	NA		
MW-61S	05/04/05	12.70	51	460	120	1300	1931	<50	1.3	<1	<1	<1	NA	NA	
	11/30/06	20.64	1400	7000	1100	5200	14700	350	NA	NA	NA	NA	17000	NA	
	03/14/08	19.17	5.39	18.7	7.45	40	71.54	1.08 l	NA	NA	NA	NA	ND[150]	NA	
	04/22/09	17.57	ND[0.18]	1.2	0.17 l	0.91 l	2.46	0.29 l	NA	NA	NA	NA	NA	NA	
	07/01/09	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	08/09/10	14.09	0.28 U	0.24 U	0.25 U	1.4 l	1.4	0.56 l	0.13	NA	NA	NA	180 l	NA	
	07/30/12	Abandoned													

TABLE 4: Groundwater Analytical Summary

Facility Name: Shadd Property &  
Coastal Mart (aka Sunrise Food Mart)  
Lake Butler, Union County, Florida

Facility ID#: 63 9807182

Analytical Results = ug/L  
EDB = 1,2-Dibromoethane  
MTBE = Methyl-tert-butyl-ether  
DTW = Depth to Water  
ND[XX] = Not detected [minimum detection level]  
Note: Analytical information prior to 2002 is available in historical reports  
NA= not analyzed

Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-615R	04/03/12	18.69	NA	NA	NA	NA	NA	NA	12	NA	NA	NA	NA	NA
	07/31/12	13.43	NA	NA	NA	NA	NA	NA	1.3	NA	NA	NA	NA	NA
	11/06/12	13.73	NA	NA	NA	NA	NA	NA	0.69	NA	NA	NA	NA	NA
	03/07/13	15.31	NA	NA	NA	NA	NA	NA	1.9	NA	NA	NA	NA	NA
	01/20/14	14.46	NA	NA	NA	NA	NA	NA	0.65	NA	NA	NA	NA	NA
MW-62S	05/04/05	13.55	2600	5900	1800	11000	21300	4900	6	280	45	84	27000	NA
	06/06/06	13.00	4500	11000	2100	14000	31600	2300	2.1	430	65	110	NA	NA
	03/27/07	18.16	958	5150 V	842	6370	13320	998 I	1.02	69.9	10.9 I	16.5	NA	NA
	06/20/07	NM							Well Dry					
	09/10/07	NM							Well Dry					
	12/11/07	NM							Well Dry					
	03/13/08	20.03	35.9	50.6	31.2	90.4	208.1	469	0.489	0.156 I	ND[0.032]	0.358 I	8390	NA
	06/30/08	20.43	11.6	14	17.4	75.5	118.5	43.5	NA	NA	NA	NA	2610	NA
	09/24/08	17.63	16.2	19.9	19	67.8	122.9	540	NA	NA	NA	NA	4970	NA
	01/06/09	19.84	7.23	5.45	52.6	58.4	123.68	180	NA	NA	NA	NA	NA	NA
	04/22/09	18.57	7.1	7.2	39	77	130.3	390	NA	ND[0.015]	ND[0.029]	ND[0.016]	NA	NA
	07/01/09	18.03	3.0 I	2.2 I	24	14 I	43.2	160	NA	NA	NA	NA	NA	NA
	09/21/09	16.41	28	140	660	4400	5228	140	NA	NA	NA	NA	NA	NA
	02/16/10	15.07	50 I	270	650	4300	5270	290	NA	NA	NA	NA	NA	NA
08/09/10	14.97	690	510	330	1800	3330	220	0.65	NA	NA	NA	NA	2.0 U	
07/30/12								Abandoned						
MW-625R	04/04/12	19.68	69	52	100	850	1,071	120	0.093	58	23	32	7,300	NA
	07/31/12	13.94	68	35	180	790	1,073	81	0.0060 U	NA	NA	NA	610	NA
	11/06/12	14.84	110	62	100	260	532	72	0.0023 U	NA	NA	NA	4,500	NA
	03/07/13	16.28	120	1.7	78	23	223	110	0.016 I	NA	NA	NA	1,000	NA
	01/21/14	15.33	350	61	260	160	831	290	NA	NA	NA	NA	NA	NA
	09/10/15	12.68	464	214	135	448	1,261	95.8	NA	NA	NA	NA	NA	NA
	12/17/15	17.00	390	366	161	581	1,498	150	NA	NA	NA	NA	NA	NA
	03/24/16	14.97	1010	1420	354	1510	4,294	265	NA	NA	NA	NA	NA	NA
	06/23/16	14.61	360	310	170	640	1500	110	NA	NA	NA	NA	NA	NA
	09/14/16	14.29	1.5 U	4.5 U	2.6 U	13 U	<21.6	180	NA	25	8.6	8.7	NA	NA
	12/12/16	16.00	170	170	340	1300	2000	130	NA	53	16	14	NA	NA
	03/28/17	17.82	300	210	130	510	1200	150	NA	18	0.20 U	0.79	NA	NA
	07/14/17	15.58	630	340	280	940	2190	190	NA	43	8.4	10	NA	NA
	10/10/17	13.09	0.18 U	0.49 U	0.48 I	1.1 U	0.48 I	79	NA	5.8	2.3	2.1	NA	NA
	01/17/18	14.53	130	26	54	37	250	79	NA	15	8.0	6.5	NA	NA
	04/12/18	14.58	19	0.95 I	0.38 U	3.2	23	54	NA	0.19 U	2.6	2.5	NA	NA
	07/17/18	14.71	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	11	NA	2.2	2.9	2.3	NA	NA
	10/22/18	14.25	43	7.1	18	57	120	13	NA	7.5	5.4	5.0	NA	NA
	02/28/19	13.57	4.7	2.5	2.0	8.5	17.7	12	NA	1.1	1.7	0.88	NA	NA
	05/23/19	15.58	100	25	18	110	253	16	NA	9.7	5.2	4.8	NA	NA
	9/18/19	14.63	35	7.1	10	19	71	12	NA	2.4	2.7	1.6	NA	NA
	12/11/19	16.71	280	160	230	350	1020	56	NA	33	9.4	12	NA	NA
	03/25/20	16.43	64	7.9	48	160	279.9	11	NA	13	4.2	1.4	NA	NA
	06/17/20	15.39	130	25	170	750	1,075	27	NA	46	10	15	NA	NA
03/29/22	12.45	63	34	78	280	455	11	NA	16	6.8	9.2	NA	NA	

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Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-635		05/05/05	210	970	120	790	2090	73	0.46	<1	<1	<1	NA	NA
		11/30/06	31	7.6	1.1	11.8	51.5	2.2	NA	NA	NA	NA	370	NA
		08/09/10	480	630	471	330	1467	151	0.15	NA	NA	NA	NA	NA
		07/19/11	460	170	22	280	932	16	NA	NA	NA	NA	NA	NA
		04/04/12	210	2.4 U	19	52	281	2.81	0.0061 U	4.6	0.4	0.81	2001	NA
		07/31/12	11.83	120	76	13	100	309	5.21	NA	NA	NA	NA	NA
		11/06/12	12.60	110	22	5.8	51	188.8	3.2	NA	NA	NA	NA	NA
		03/07/13	14.01	16	0.14 U	0.16 U	2.2	18.2	0.571	NA	NA	NA	NA	NA
		01/21/14	12.84	18	0.51 U	0.44 U	3.1	21.1	0.44 U	NA	NA	NA	NA	NA
		09/10/15	9.60	109	109	14.8	112	344.8	2.4	NA	NA	NA	NA	NA
		12/17/15	14.68	118	22.4	6.4	39.1	185.9	3	NA	NA	NA	NA	NA
		03/24/16	12.20	295	499	47.6	350	991.6	6.2	NA	NA	NA	NA	NA
		06/23/16	11.76	190	220	32	210	650	4.9	NA	23	7.3	7.3	NA
		09/14/16	11.51	500	730	31	470	1,700	7.71	NA	NA	NA	NA	NA
		12/12/16	13.64	62	31	6	64	160	2.7	NA	NA	NA	NA	NA
		03/28/17	15.48	170	82	5	100	360	4.9	NA	NA	NA	NA	NA
		07/13/17	12.79	440	1,000	140	640	2,220	8.8	NA	NA	NA	NA	NA
		10/10/17	9.96	220	340	54	260	870	4.1	NA	NA	NA	NA	NA
		01/17/18	11.91	310	350	25	330	1,000	5.6	NA	NA	NA	NA	NA
		04/12/18	11.52	330	440	62	400	1,200	0.24 U	NA	NA	NA	NA	NA
		07/17/18	11.62	350	640	190	370	1,550	8.2	NA	NA	NA	NA	NA
		10/22/18	11.55	530	730	98	730	2,100	3.9	NA	NA	NA	NA	NA
		02/28/19	10.90	340	400	53	490	1,283	13	NA	NA	NA	NA	NA
	05/23/19	12.48	670	520	19 U	800	<1541	88	NA	NA	NA	NA	NA	
	9/18/19	11.83	910	2100	520	2800	6300	12 U	NA	NA	NA	NA	NA	
	12/11/19	13.58	540	760	91	630	2021	4.8	NA	NA	NA	NA	NA	
	03/25/20	13.24	490	760	120	520	1890	6.0	NA	NA	NA	NA	NA	
	06/17/20	11.97	390	780	59	390	1,619	0.24 U	NA	NA	NA	NA	NA	
	03/29/22	9.36	52	62	25	160	299	0.24 U	NA	NA	NA	NA	NA	
MW-645		05/05/05	<1	<1	<1	<2	<5	<5	<0.02	<1	<1	<1	NA	NA
		08/09/10	12.96	0.28 U	0.24 U	0.25 U	0.68 U	BDL	0.221	NA	NA	NA	NA	NA
MW-665		05/04/05	8.70	9.7	12	78	63	162.7	<5	<0.02	NA	NA	NA	NA
		08/30/06	14.69	<1.0	<1.0	470	14	484	<5	NA	NA	NA	5100	NA
		01/30/08	16.57	9.79	ND[1.1]	322	17.6	350.49	ND[3.9]	ND[0.0027]	NA	NA	3130	NA
		08/09/10	12.83	4.1	0.311	220	560	784.41	0.401	NA	NA	NA	NA	10
		07/30/12								Abandoned				
MW-665R		04/03/12	13.77	0.28 U	0.24 U	0.25 U	0.68 U	<1.45	0.21 U	NA	NA	NA	NA	NA

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Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
MW-675		08/26/10	10.67	3,000	4,900	0.25 U	0.68 U	7,900	260	NA	NA	NA	NA	NA
		06/14/11	15.49	900	4100	490	2300	7,790	39 I	NA	NA	NA	NA	NA
		04/04/12	14.17	3,100	20,000	1,800	8,500	33,400	94	NA	NA	NA	NA	NA
		07/30/12	8.24 (submerged)	38	6.1	7.3	26	77	7.1	NA	NA	NA	NA	NA
		11/05/12	8.8 (submerged)	1,700	3,300	900	4,200	10,100	110	NA	NA	NA	NA	NA
		03/08/13	9.73 (submerged)	600	740	320	820	2,480	36	NA	NA	NA	NA	NA
		01/21/14	8.95 (submerged)	160	150	190	340	840	4.4 U	NA	NA	NA	NA	NA
		09/10/15	3.42 (submerged)	4.5	0.59 I	35.8	11.9	52.79	5.1	NA	NA	NA	NA	NA
		12/17/15	9.6 (submerged)	1.8	0.50 U	2.4	0.50 U	NA	NA	NA	NA	NA	NA	NA
		03/24/16	8.38 (submerged)	1.6	1	0.50 U	1.5 U	4.60	7.9	NA	NA	NA	NA	NA
		06/23/16	8.05 (submerged)	3.7	1.5	24	3.6	33	11	NA	NA	NA	NA	NA
		09/14/16	7.24 (submerged)	4.6	1.7	5.0	3.9	15	13	NA	NA	NA	NA	NA
		12/12/16	9.59 (submerged)	0.93 I	0.49 U	0.38 U	1.1 U	0.93 I	12	NA	NA	NA	NA	NA
		03/28/17	10.85	0.18 U	0.49 U	0.38 U	1.1 U	BDL	3.6	NA	NA	NA	NA	NA
		07/13/17	9.31 (submerged)	0.16 U	0.23 U	0.24 U	0.53 U	BDL	0.88 I	NA	NA	NA	NA	NA
		10/10/17	6.73 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	BDL	1.6	NA	NA	NA	NA	NA
		01/17/18	8.34 (submerged)	0.18 U	0.57 I	0.38 U	1.91	2.5	0.24 U	NA	NA	NA	NA	NA
		04/12/18	8.06 (submerged)	0.18 U	1.4	0.38 U	1.6 I	3.0	0.30 I	NA	NA	NA	NA	NA
		07/17/18	7.67 (submerged)	1.2	2.5	0.38 U	1.1 U	<5.18	0.24 U	NA	NA	NA	NA	NA
		10/22/18	8.07 (submerged)	0.58 I	0.91 I	0.38 U	1.4 I	2.9	0.90 I	NA	NA	NA	NA	NA
	02/28/19	7.38 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	
	05/23/19	9.27 (submerged)	0.18 U	0.49 U	0.38 U	2.8	<3.85	0.24 U	NA	NA	NA	NA	NA	
	9/18/19	8.62 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	
	12/11/19	10.31	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	
	03/25/20	9.75 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	
	06/17/20	8.89 (submerged)	0.97 I	2.8	1.9	6.8	12.47	0.24 U	NA	NA	NA	NA	NA	
	03/29/22	6.42 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	
MW-695		04/03/12	12.15	1.9	0.24 U	0.25 U	0.68 U	1.9	5.0	NA	NA	NA	NA	NA
		07/30/12	7.21 (submerged)	0.13 U	0.14 U	0.16 U	0.44 U	BDL	2.6	NA	NA	NA	NA	NA
		11/05/12	7.93 (submerged)	0.13 U	0.14 U	0.16 U	0.44 U	BDL	2.3	NA	NA	NA	NA	NA
		03/08/13	8.62 (submerged)	31	0.43 I	12	28	71	4.9	NA	NA	NA	NA	NA
		01/21/14	7.8 (submerged)	11	0.51 U	1.8	2.1 I	15	12	NA	NA	NA	NA	NA
		07/13/17	8.18 (submerged)	1.3	0.23 U	1.6	0.53 U	4	1.5	NA	NA	NA	NA	NA
	07/17/18	6.33 (submerged)	0.18 U	0.49 U	0.38 U	1.1 U	<2.15	0.24 U	NA	NA	NA	NA	NA	
RW-16		01/29/08	18.63	296	126	104	191	717	102	NA	NA	NA	NA	1420
RW-18		01/29/08	15.34	22.8	10.2	68.2	108	209.2	44.4	NA	NA	NA	NA	1550
RW-27		01/29/08	16.52	ND[0.21]	0.670 I	0.240 I	ND[0.60]	1.72	2.64 I	NA	NA	NA	NA	166 I
RW-28		01/30/08	13.79	1560	4480	95.5	2970	9105.5	130.0 I	NA	NA	NA	NA	4580

**TABLE 4: Groundwater Analytical Summary**

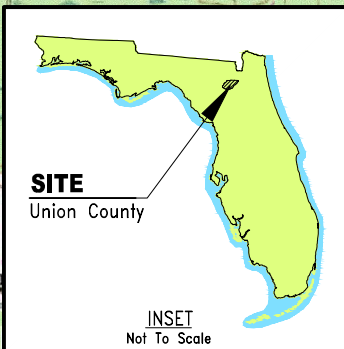
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DTW = Depth to Water  
ND[XX] = Not detected [minimum detection level]  
Note: Analytical information prior to 2002 is available in historical reports  
NA= not analyzed

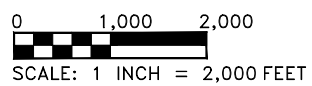
Sample		DTW	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total VOA	MTBE	EDB	Naphthalene	1-Methyl naphthalene	2- Methyl naphthalene	TRPH	Lead
Location	Date													
FDEP Groundwater Cleanup Target Level for Groundwater Criteria (ug/l)			1	40	30	20	NA	20	0.02	14	28	28	5,000	15
SPLP Results														
A-61	01/12/12	*SPLP	1.7 U	30	190	1300	NA	3.7 U	2.5 U	NA	NA	NA	NA	NA
A-69	01/12/12	*SPLP	33	680	360	2900	NA	3.7 U	2.5 U	NA	NA	NA	NA	NA
A-75	01/12/12	*SPLP	4.5 I	340	280	3300	NA	3.7 U	2.5 U	NA	NA	NA	NA	NA
A-37	01/12/12	*SPLP	1.2	77	37	330	NA	3.7 U	2.5 U	NA	NA	NA	NA	NA
A-44	01/12/12	*SPLP	6.8 U	2000	910	5500	NA	15 U	10 U	150 J3	18 J3	32 J3	NA	NA
A-51	01/12/12	*SPLP	1.3	0.99 I	1.2	9.8 I	NA	0.74 U	0.50 U	NA	NA	NA	NA	NA
SS-3	02/29/12	*SPLP	0.34 U	0.70 U	0.50 U	1.6 U	NA	0.74 U	0.50 U	NA	NA	NA	NA	NA
D-10 (Coastal)	02/03/12	*SPLP	2.9	14	6.4	38	NA	13	NA	NA	NA	NA	NA	NA
A-9 (Coastal)	02/03/12	*SPLP	55	150	41	250	NA	33	NA	NA	NA	NA	NA	NA
L-4 (Coastal)	02/22/12	*SPLP	1.2	0.70 U	0.60 I	4.9 I	NA	3.5	NA	NA	NA	NA	NA	NA
J-2 (Coastal)	02/22/12	*SPLP	0.34 U	0.79 I	0.52 I	7.0 I	NA	1.1	NA	NA	NA	NA	NA	NA
N-1 (Coastal)	02/29/12	*SPLP	1300	11000	2400	15000	NA	37 U	25 U	190	29	37	NA	NA
L-12 (Coastal)	03/02/12	*SPLP	0.34 U	4.6	7.9	72	NA	1.7	0.50 U	NA	NA	NA	NA	NA

## FIGURES



Approximate site location  
 Section 30, Township 5 South, Range 20 East  
 Latitude: 30° 1' 22.91" North  
 Longitude: 82° 20' 19.35" West

**SOURCE:**  
 USGS Quadrangle - LAKE BUTLER 1993  
 Maps and data Copyright 2003 Maptech



**SITE VICINITY MAP**

PLOTTED: May 2, 2022 - 12:22 PM, BY: Burton, George A

NO.	DATE	REVISIONS	
0	May-22	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
AH	GB		

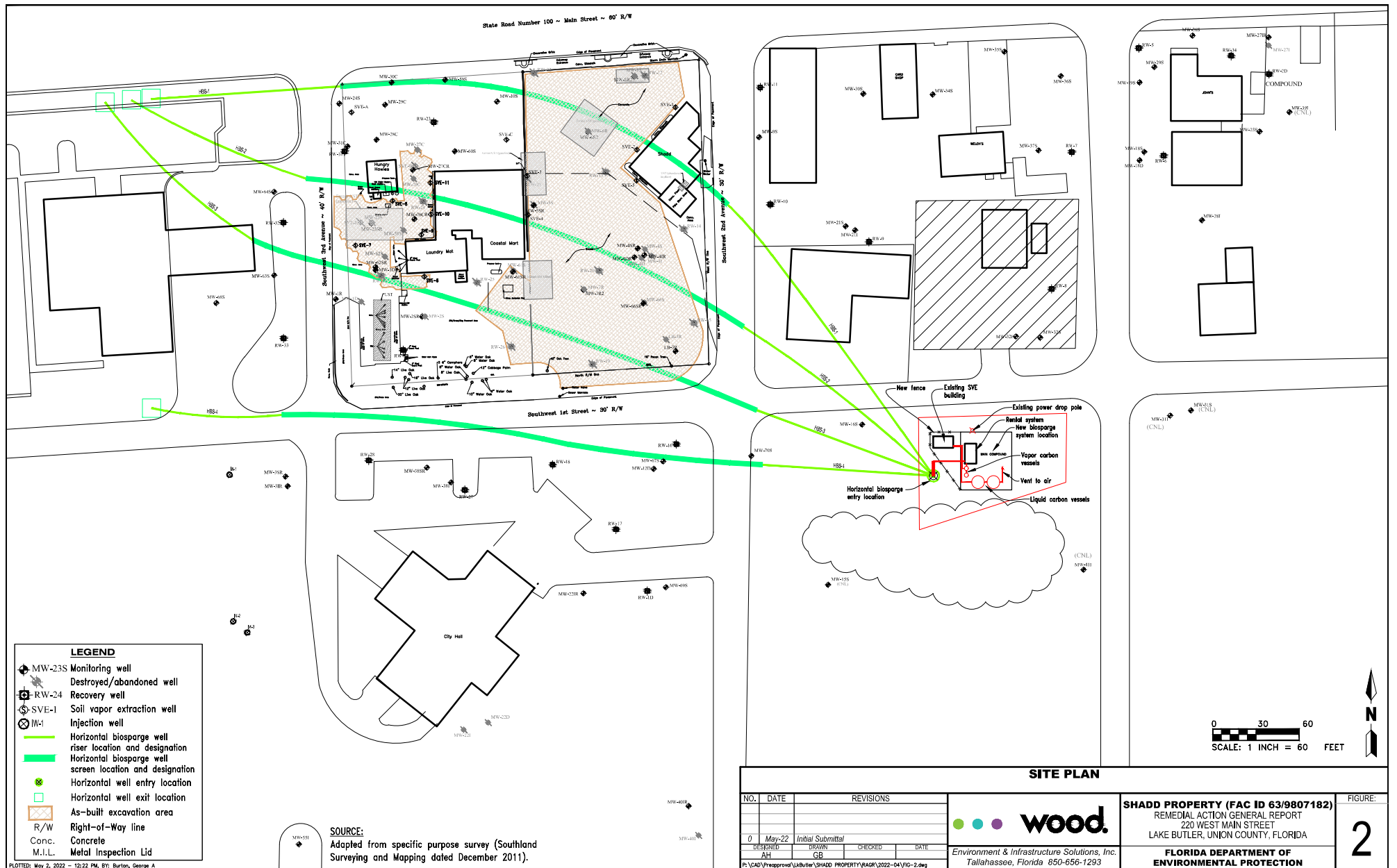
*Environment & Infrastructure Solutions, Inc.*  
 Tallahassee, Florida 850-656-1293

**SHADD PROPERTY (FAC ID 63/9807182)**  
 REMEDIAL ACTION GENERAL REPORT  
 220 WEST MAIN STREET  
 LAKE BUTLER, UNION COUNTY, FLORIDA

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

FIGURE:  
**1**

P:\CAD\Preapproval\LkButler\SHADD PROPERTY\RAGR\2022-04\FIG-1.dwg



**LEGEND**

- ◆ MW-23S Monitoring well
- ◆ Destroyed/abandoned well
- ◆ RW-24 Recovery well
- ◆ SVE-1 Soil vapor extraction well
- ◆ IW-1 Injection well
- Horizontal biosparging well riser location and designation
- Horizontal biosparging well screen location and designation
- ⊗ Horizontal well entry location
- ⊙ Horizontal well exit location
- ⊗ As-built excavation area
- R/W Right-of-Way line
- Conc. Concrete
- M.I.L. Metal Inspection Lid

SOURCE:  
Adapted from specific purpose survey (Southland  
Surveying and Mapping dated December 2011).

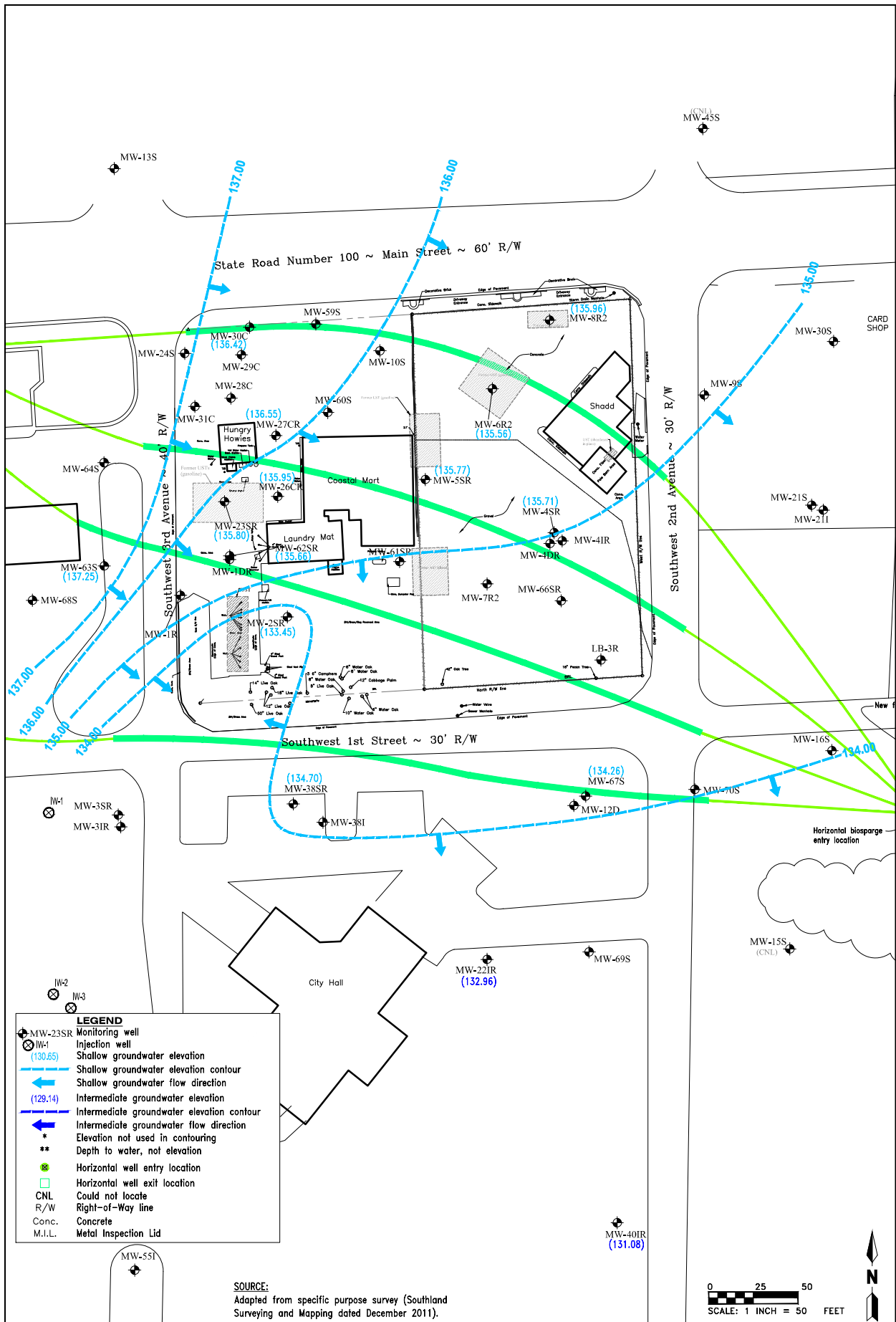
NO.		DATE	REVISIONS
0	May-22	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
AH	GB		

**wood.**  
Environment & Infrastructure Solutions, Inc.  
Tallahassee, Florida 850-656-1293

**SHADD PROPERTY (FAC ID 63/9807182)**  
REMEDIAL ACTION GENERAL REPORT  
220 WEST MAIN STREET  
LAKE BUTLER, UNION COUNTY, FLORIDA

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

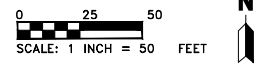
FIGURE:  
**2**



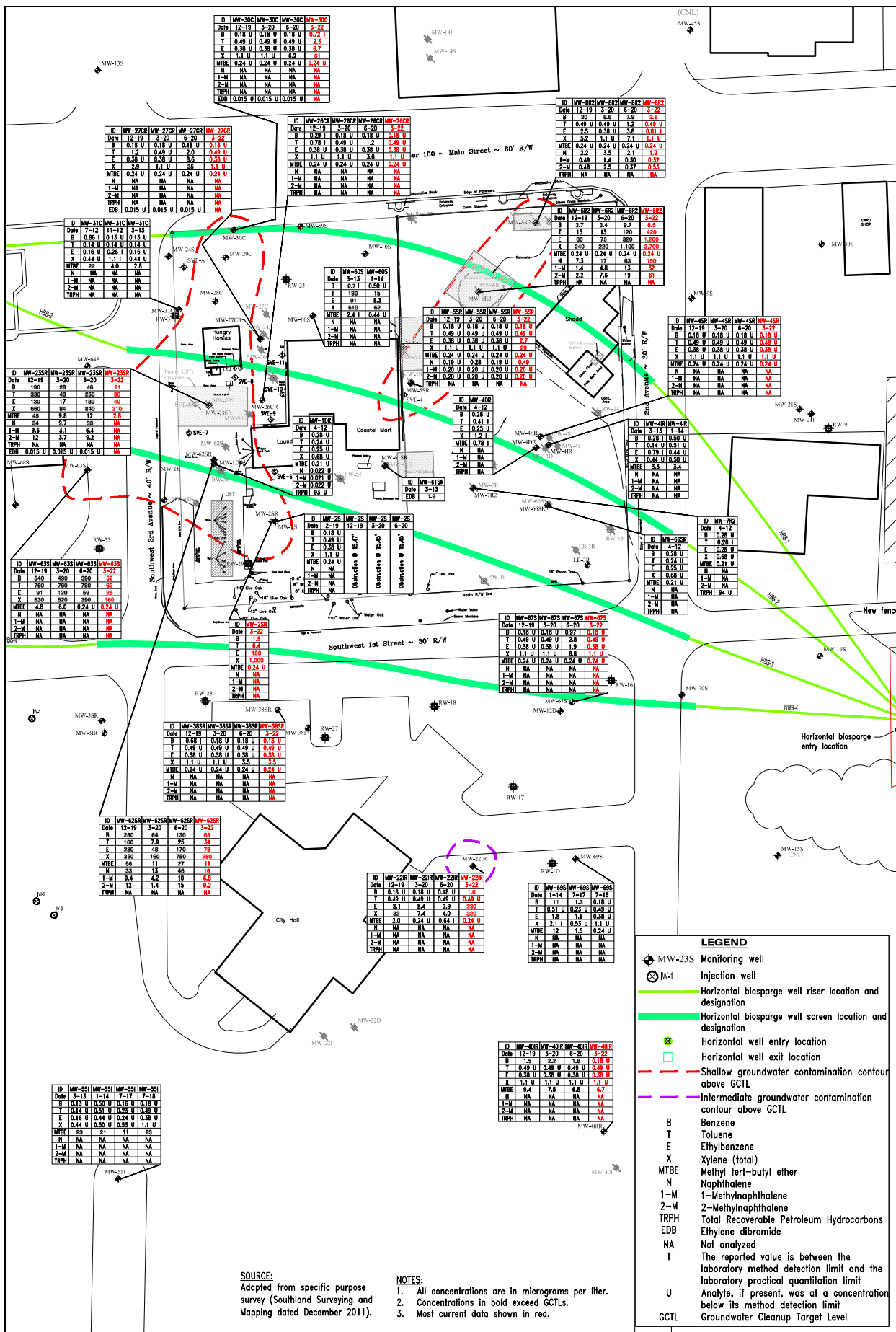
**LEGEND**

- ⊕ MW-23SR Monitoring well
- ⊗ IW-1 Injection well
- (130.65) Shallow groundwater elevation
- Shallow groundwater elevation contour
- ← Shallow groundwater flow direction
- (129.14) Intermediate groundwater elevation
- Intermediate groundwater elevation contour
- ← Intermediate groundwater flow direction
- \* Elevation not used in contouring
- \*\* Depth to water, not elevation
- ⊗ Horizontal well entry location
- Horizontal well exit location
- CNL Could not locate
- R/W Right-of-Way line
- Conc. Concrete
- M.I.L. Metal Inspection Lid

**SOURCE:**  
Adapted from specific purpose survey (Southland Surveying and Mapping dated December 2011).



<b>GROUNDWATER FLOW</b>					<b>SHADD PROPERTY (FAC ID 63/9807182)</b> REMEDIAL ACTION GENERAL REPORT 220 WEST MAIN STREET LAKE BUTLER, UNION COUNTY, FLORIDA	<b>3</b>
<b>MARCH 29, 2022</b>						
PLOTTER: June 20, 2022 - 8:07 PM, BY: TomHess, M0005						
NO.	DATE	REVISIONS				FIGURE:
DESIGNED: AHI    DRAWN: CB    CHECKED:    DATE:    Environment & Infrastructure Solutions, Inc.    Tallahassee, Florida 850-656-1293						
P:\CAD\Inprogress\LakeButler\SHADD PROPERTY\EAQR\2022-04\FIG-3.dwg						



GROUNDWATER ANALYTICAL DATA			
NO.	DATE	REVISIONS	FIGURE:
0	Apr-22	Initial Submittal	4
DESIGNED	DRAWN	CHECKED	DATE
AH	CB		

P:\CAD\Preapproved\Utilities\SHADD PROPERTY\BAOR\2022-04-19.dwg  
 Environment & Infrastructure Solutions, Inc.  
 Tallahassee, Florida 850-656-1293

**SHADD PROPERTY (FAC ID 63/9807182)**  
 REMEDIAL ACTION GENERAL REPORT  
 220 WEST MAIN STREET  
 LAKE BUTLER, UNION COUNTY, FLORIDA  
**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

SOURCE: Adapted from specific purpose survey (Southland Surveying and Mapping dated December 2011).  
 NOTES: 1. All concentrations are in micrograms per liter. 2. Concentrations in bold exceed GCTLs. 3. Most current data shown in red.

B Benzene  
 T Toluene  
 E Ethylbenzene  
 X Xylene (total)  
 MTBE Methyl tert-butyl ether  
 N Naphthalene  
 1-M 1-methylnaphthalene  
 2-M 2-methylnaphthalene  
 TRPH Total Recoverable Petroleum Hydrocarbons  
 EDB Ethylene dibromide  
 NA Not analyzed  
 I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit  
 U Analyte, if present, was at a concentration below its method detection limit  
 GCTL Groundwater Cleanup Target Level



6335.12

October 20, 1994

Mr. Joel Johnson  
Florida Department of Environmental Protection  
Petroleum Cleanup Section  
2600 Blairstone Road  
Tallahassee, Florida 32301

**RMC**    **QA'ed**  
Initials \_\_\_\_\_ Date \_\_\_\_\_

**SUBJECT:    Letter Report Summarizing Tank Removal Activities at John's Union 76 Station Site, Lake Butler, Union County, Florida (Facility Identification Number 638519168.)**

Dear Joel:

ABB Environmental Services, Inc. (ABB-ES) was requested by the Florida Department of Environmental Protection (FDEP) to be at the above referenced site during the removal of the underground storage tanks (USTs) and screen excavated soil in order to segregate and stockpile any excessively contaminated soil. This letter provides a summary of those activities.

**BACKGROUND**

According to the FDEP facility detail report, three USTs that were present at the site were installed in 1987. Two of the USTs were reported to contain unleaded gasoline with capacities of 4,000 gallons; one 3,000-gallon UST also contained unleaded gasoline. The tanks were located to the east of the old pump island area and canopy in front of the garage bays. An additional UST containing waste oil with a capacity of 300 gallons was located in front of the station partially beneath the building foundation.

**SITE ACTIVITY SUMMARY**

The three gasoline USTs were removed from the site on September 22, 1994. Big Bend Environmental Services, Inc. (Big Bend) of Tallahassee, Florida was the contractor removing the USTs. According to the station owner, the contents of the USTs were removed from the tanks the previous week. Additional liquids were removed by Big Bend and disposed of in an onsite product recovery tank. Once the liquids were removed, the tanks were rendered vapor free by purging them solid carbon dioxide (dry ice) that was dispersed throughout the inside of each tank. Excavation began once the tanks were freed of vapors.

The 300 gallon waste oil tank was closed in place due to the close proximity of the UST to the building foundation. The remaining liquids from the tank were disposed of in the onsite product recovery tank. The tank was then filled with sand.

ABB Environmental Services, Inc.

OCT 20 1994



Soils excavated from the pit area were screened for headspace vapors using an organic vapor analyzer (OVA) equipped with a flame ionization detector (FID). The soils surrounding the tanks were not contaminated. These soils were stockpiled on site because the pit was later backfilled with gravel as a measure to better enhance product recovery. Excessively contaminated soils were encountered at the bottom of the tank pit. These soils were left in place and the tanks were removed without having to disturb these soils.

Once the tanks were removed from the pit and transported off site, the tank pit was backfilled with gravel from the bottom of the excavation to a depth of three feet below land surface. The following day a 4-inch thick concrete cap was poured over the top of the excavation and a product recovery well was later installed in the pit.

If you have any questions or comments concerning this letter report please call either of us at 904-656-1293.

Sincerely,

ABB ENVIRONMENTAL SERVICES, INC.

C. Creed King  
Geologist

Jack Davis  
Project Manager

cc: Project file



August 23, 2013

Ms. Russ Rhodes  
Florida Department of Environmental Protection  
Petroleum Cleanup Section 2  
Mail Station 4545  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

**RE: Remedial Action Plan  
Coastal Mart  
260 Main Street  
Lake Butler, Union County, Florida  
FDEP Facility ID #: 63 8517149  
Task Assignment GC653-047K  
AMEC Project # 6090130014.2010**

Dear Russ:

AMEC Environment & Infrastructure, Inc. (AMEC) is pleased to submit two copies (one print and one electronic) of the Remedial Action Plan for the above referenced site. This serves as the final deliverable for the referenced work order.

If you have any questions, please call the undersigned at (850) 656-1293.

Thank you,

**AMEC  
Environment & Infrastructure**

Geoff Schaefer, P.E.  
Project Manager

Eric Blomberg, P.G.  
Principal Hydrogeologist

cc: project file

**Correspondence:**  
AMEC  
Environment & Infrastructure  
2533 Greer Road, Suite 6  
Tallahassee, Florida  
32308  
USA  
Tel (850) 656-1293  
Fax (850) 656-3386

amec.com

### **IMPORTANT NOTICE**

This report was prepared exclusively for [Florida Department of Environmental Protection] by AMEC Environment & Infrastructure, Inc. (AMEC). The quality of information, conclusions and estimates contained herein is consistent with the level of effort involved in AMEC's services and based on: i) information available at the time of preparation, ii) data supplied by outside sources and iii) the assumptions, conditions and qualifications set forth in this report. This report is intended to be used by only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.



# REMEDIAL ACTION PLAN

## COASTAL MART (aka SUNRISE FOOD MART)

260 West Main Street  
Lake Butler, Union County, Florida

FDEP Facility Identification Number: 63/8517149  
Work Order Number: GC653-047K  
AMEC Project Number: 6090130014.2010

*Prepared for:*

Florida Department of Environmental Protection  
Bureau of Petroleum Storage Systems  
2600 Blair Stone Road  
Tallahassee, Florida 32301

*Prepared by:*

AMEC  
Environment & Infrastructure, Inc.  
2533 Greer Road, Suite 6  
Tallahassee, Florida 32308

August 2013

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- Appendix C: Existing SVE System Information
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### PROFESSIONAL ENGINEER CERTIFICATION

The work described in this Remedial Action Plan for the Coastal Mart / Sunrise Food Mart, Lake Butler, Union County, Florida, was performed in accordance with commonly accepted procedures consistent with the applied standards of practice under the direction of the undersigned professional engineer. The professional opinions rendered are based on the associated information detailed in the text and appended to this report or referenced in public literature. Recommendations are based upon interpretations of the applicable regulatory requirements, guidelines, and relevant issues discussed with regulatory personnel. If conditions that differ from those described are determined to exist, the undersigned should be notified to evaluate the effects of any additional information on the assessment or recommendations made in this report. These field activities were conducted at the Coastal Mart / Sunrise Food Mart, Lake Butler, Union County, Florida in accordance with Florida Department of Environmental Protection directives and U.S. Environmental Protection Agency protocol, and the report should not be construed to apply for any other purpose or to any other site.

AMEC Environment & Infrastructure, Inc. (**Certificate of Authorization Number: 5392, Audit No.: 228201504712**) is authorized under the provisions of Section 471.023 Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.



Geoffrey D. Schaefer, PE  
Senior Engineer  
Florida License Number 64914  
Expires February 28, 2015

8/05/13  
Date

## 1.0 INTRODUCTION

This Remedial Action Plan (RAP) for the Coastal Mart (aka Sunrise Food Mart) site in Lake Butler, Union County, Florida, is based on the information included in the Contamination Assessment Report (CAR) dated January 1993 by ABB Environmental Services, Inc. (ABB), the Remedial Action Plan (RAP) dated November 1993 by ABB, the Site Assessment Report (SAR) dated September 2003 by Handex (former Coastal Mart #405), the Supplemental Site Assessment Report (SSAR) dated July 2005 by Fortis Environmental Group, LLC (Fortis), the SSAR dated February 2009 by Fortis, the 42<sup>nd</sup> Quarterly O&M Report dated October 2009 by Fortis, and SSARs dated September, November, December 2010, and February 2011 by MACTEC Engineering and Consulting, Inc. (MACTEC), Limited Scope Remedial Action Plan (LSRAP) dated March 2011 (MACTEC), Source Removal Report dated April 2012 (AMEC Environment and Infrastructure, Inc. [AMEC]), and Post Remedial Action Monitoring (PARM) Reports dated May 2012, August 2012, November 2012, and March 2013. After completing site assessment and source removal activities, AMEC along with the Florida Department of Environmental Protection (FDEP) determined that a RAP should be prepared to address residual soil contamination and dissolved phase groundwater contamination detected at the site above regulatory levels as set forth in Chapter 62-770, Florida Administrative Code (FAC).

AMEC was designated the contractor for the assessment and remediation activities at the Sunrise Food Mart (Coastal Mart) site (Facility ID# 638517149) by FDEP in June 2010. The Coastal Mart site is currently under Consent Order. Remediation activities shall be performed under the FDEP Bureau of Petroleum Storage Systems (BPSS) State Cleanup Program. Initial site assessment activities were performed by various consultants with the appropriate reports submitted to the FDEP. AMEC conducted supplemental site assessment activities which were documented in the reports listed above. In June 2013, AMEC was authorized by FDEP to develop a RAP (Task Assignment GC653-047K) for the site under the Petroleum Preapproval Program in accordance with the FDEP guidelines. The scope of the RAP was discussed and agreed upon by both AMEC and FDEP during the pre-RAP meeting held on January 24, 2013.

### 1.1 Purpose

The purpose of this RAP is to present a plan for remediating residual petroleum related soil contamination and dissolved phase groundwater contamination at the Coastal Mart site located at 260 West Main Street in Lake Butler, Florida (Figure 1). AMEC proposes to activate the existing soil vapor extraction (SVE) system infrastructure that was modified during the source removal activities to treat residual petroleum contaminated soil (vadose and smear zone) and collect vapors from the proposed five horizontal biosparge wells to remediate dissolved phase petroleum contamination at the Coastal Mart site. The objective of this RAP is to reduce soil concentrations below Soil Cleanup Target Levels (SCTLs), off-site groundwater concentrations to below Groundwater Cleanup Target Levels (GCTLs), and on-site groundwater concentrations to below 70% of the Natural Attenuation Default Concentrations (NADCs), as defined in Chapter 62-770, Florida Administrative Code (FAC). SCTLs and GCTLs are provided in Tables 1 and 2.

### 1.2 Scope

This RAP presents the rationale for the remediation strategies to be implemented at the Coastal Mart site. Implementation of this RAP will include the following tasks:

- Installation of five horizontal biosparge (HBS) wells
- Complete SVE well piping to the existing SVE system piping
- Trench / Pipe new HBS wells to equipment compound

- Modification of the existing equipment compound to accommodate the new equipment
- Installation of a biosparge system
- Conduct system startup
- Operation and maintenance of the installed system
- Implementation of groundwater monitoring.

### 1.3 Site Background

The Coastal Mart site is located at 260 West Main Street in Lake Butler, Union County, Florida. The site is located in Section 30, Township 5 South, Range 20 East on the USGS Quadrangle for Lake Butler, Florida. Figure 1 presents a site vicinity map. The site is approximately 0.58 acres with traffic access to the concrete and asphalt parking areas from the north via Main Street and from the west via SW 3rd Avenue. The original Coastal Mart building, an approximately 460 ft<sup>2</sup> concrete block and brick building remains on the site, but is currently in operation as a Hungry Howies Pizza takeout restaurant. Two other buildings also exist at the site, the main convenience store, approximately 2,580 ft<sup>2</sup>, and a laundry mat, approximately 800 ft<sup>2</sup>. Two former underground storage tank (UST) areas exist at the site. The original UST area is in the northeast corner of the property along Main Street, the second UST area (USTs recently removed to perform 2010 upgrade) is located just south of the Hungry Howies Pizza building and west of the laundry mat. The current active USTs are located south of the 2nd UST pit and are not in an area of vadose zone contamination. Figure 2 presents a site map with existing/known site infrastructure and abandoned wells identified. This site was part of the Lake Butler cluster located along State Road (SR) 100 (aka Main Street) extending one block east, two blocks west and two blocks south of SR 100 and shares a property boundary and comingled groundwater plume with the Shadd Property site (Facility Identification Number 63/9807182).

Sources of a documented petroleum contamination problem have been known to exist in this area of Lake Butler since late 1983. After notification of petroleum fumes emanating from the city sanitary sewer system, the Union County Fire Marshall identified a combustion hazard at the Lake Butler Elementary School. In the ensuing emergency measures taken by the city and the FDEP Northeast District office, a source of significant petroleum contamination was identified at an abandoned Shell Oil Company service station site on property owned by Mr. Shadd, adjacent to the Coastal Mart. Free-phase petroleum product was discovered in the excavation made to remove USTs beneath the site and in one other backhoe pit dug near the source. This finding prompted FDEP to mobilize OH Materials, Inc. (OHM), their emergency response contractor, to install a product recovery system to intercept the product infiltrating into the sewer. The city also replaced the leaking terra cotta sewer pipe with solid pipe along the block of SW 1st Street where the pipe was infiltrated by the contamination.

Because the State Petroleum Cleanup Program had not yet come into existence, FDEP pursued Mr. Shadd for assessment and cleanup of contamination at the site. Because another alleged source of petroleum contamination existed on the adjacent property (the former Coastal Mart, now Sunshine Food Mart), FDEP was required to conduct an assessment to differentiate between the two potential sources. This work included installing a network of six permanent monitoring wells, installing several temporary wells, and sampling groundwater. Conclusions of the FDEP assessment, which was conducted in several phases extending from mid-1984 into 1985, were that both sites contained sources of petroleum contamination. A legal settlement was reached that absolved both facilities of responsibility after FDEP received some payment in restitution. The payment was limited by the amount of insurance held by each owner.

Several years later, another source of contamination was also identified in Lake Butler and addressed by an FDEP Emergency Response Contractor, Hazards, Inc. (Hazards). John's Union 76 (FACID 8519168) was found to have a leaking UST and free-phase product was detected. Mr. Sam Johns, the site owner, filed for eligibility under the Early Detection Incentive (EDI) program shortly after inception of the program and was determined eligible.

Assessment activities were conducted at both John's Union 76 and the Coastal Mart/Coastal sites in the summer of 1990. As work transpired in the assessment, the contaminated area was found to be larger and to be impacted by additional sources. Welch's (FACID 8734032) and Bielling's Tire (FACID 8517147) were found to be contributing sources and a former UST on the A&M Beverage store site was also suspected as a source. Welch's and Bielling's Tire were included in the contamination assessment due to their proximity to Johns' Union 76 area. The owners of Bielling's Tire also filed for cleanup eligibility under the Abandoned Tanks Restoration Program (ATRP). Based on the distribution of contamination and onsite soil contamination, the BP station was also found to be a potential source of contamination and contributing to the area-wide plume of contaminated groundwater.

A pump and treat remediation system was designed and a remedial action plan was submitted in 1994. The pump treat system has been operating intermittently since 1995. Following the receipt of the Writ of Possession from FDEP on October 4, 2002, MACTEC initiated the relocation and reinstallation activities of the main compound. The relocation and reinstallation of the system equipment from the old compound to the new compound was completed on November 19, 2002. The remediation system was restarted on December 11, 2002. AMEC operated the remediation system until 2005 at which time Fortis took charge of the operation and maintenance of the system through February 2010. The remediation system was turned off in February 2010. AMEC submitted a Remedial Action Plans (RAP) in March 2011 outlining source removal using traditional and non-traditional (Large Diameter Augers [LDA]) methods for soil excavation.

Source removal activities at the Coastal Mart site were initiated in December 2011 with well abandonment and completed with site restoration in March 2012. A total of 3,699.55 tons of petroleum impacted soil were excavated from the Coastal Mart property using 107 traditional LDAs and 41 bell type LDAs (148 total). The LDAs were backfilled with 2,679 cubic yards of flowable fill. Based on soil OVA and analytical data, petroleum impacted soils were excavated from the source area were removed to the maximum extent feasible. There were several pockets of source material (soil contamination above 10,000 ppm OVA and/or the SCTLs) that were not able to be removed because of physical site constraints. The area behind the Hungry Howies building, adjacent to SW 3rd Avenue, and to the north of the laundry mat building remained above the 10,000 ppm OVA and/or SCTLs following the completion of the source removal.

Source removal activities at the Shadd site began with well abandonment in November 2011 and were completed with final site restoration in March 2012. A total of 27,770.23 tons of petroleum impacted soil were excavated from the Shadd property using LDAs and conventional excavation. A caisson wall was constructed using 159 LDA caissons backfilled with 4,207 cubic yards of flowable fill to provide structural support. A total of 18,880 cubic yards of clean A-3 backfill was used to fill the excavation. Based on soil OVA and analytical data, petroleum impacted soils were excavated from the site to the maximum extent feasible with only isolated pockets of soil contamination above the SCTLs remaining to the north by Main Street and under the northwest corner of the Shadd building and possibly near the Sunrise Food Mart building to the west. Replacement groundwater monitoring wells were installed in March 2012.

## **2.0 SITE ASSESSMENT SUMMARY**

A summary of the historical site assessment activities and current soil and groundwater concentrations is summarized in the sections below:

### **2.1 Summary of Historical Site Assessment**

#### **2.1.1 Potable Well Survey**

According to the Contamination Assessment Report (CAR) produced by the ABB in 1993, two wells permitted for more than 100,000 gallons per day are located within 0.5-miles of the site. Historical

groundwater flow direction at the site is generally towards the south-southwest. The wells are located  $\frac{1}{4}$ -mile to the east and  $\frac{1}{2}$ -mile to the southwest of the site, respectively. The screened interval and total depth data were not included in the FDEP report. Location of the potable wells is shown on Figure 1 of the 1993 CAR.

### **2.1.2 Geology and Hydrogeology**

The lithology at the subject properties generally consists of fine-grained sands and clayey sands that are layered within shallow sandy clay and clayey sand sequences (Figures 3 through 5). Two layers of gray silty clay were typically encountered at approximately 10 feet below land surface (bls) and 15 feet bls. A third silty clay unit, that separated the shallow zone from the intermediate zone was typically encountered at approximately 30 feet bls and appears to be fairly continuous across the properties. The site lithology described during the most recent assessment activities (2010, MACTEC) correlates well with previously described site lithology. A large portion of this site has undergone a source removal to 22 feet bls and has been back filled with clean sand (Shadd Property) or flowable fill (Coastal Mart).

Soil investigations performed during the January 1993 Contamination Assessment (ABB) indicate that the overlying clays provide for a semi-permeable, semi-confining unit. It was determined that this clay layer places hydrostatic pressure on surficial wells that are screened below it. As a result, the depth to water in the surficial wells may be elevated above the static water table. Fine-grained sands and clayey sands were typically encountered in the saturated zones below the first clay layers and above the third clay layer. A more detailed description of the lithology encountered at each boring can be found in the boring logs, presented in Appendix A.

During site assessment activities visual observations of soil samples collected from soil borings indicated that, the soil generally appeared saturated at approximately 15 feet bls. However, depth to water measurements have ranged from approximately 9 to 19 feet bls based on historical site data.

On March 7, 2013 AMEC collected depth to water measurements from 12 monitoring wells (MW-2S, MW-23SR, MW26CR, MW-27CR, MW-30C, MW-31C, MW-38SR, MW-55I, MW-60S, MW-61SR, MW-62SR, and MW-63SR) to determine groundwater elevation and flow direction at the Coastal Mart site (Table 3). The depth to water in the shallow wells ranged from 14.01 feet below top of casing (btoc) to 16.38 feet btoc, with an average depth to water of 15.19 feet btoc, a decrease of 3.21 feet from the previous event in November 2012. On March 7, 2013 the groundwater flow direction at the Coastal Mart site was inferred to be generally to the southeast for the shallow zone, which is in general agreement with the historical trend to the south. Groundwater flow direction for the intermediate zone was inferred to be to the east, which is inconsistent to the historical trend to the south. A graphic representation of the groundwater elevation and flow is presented in Figure 8.

### **2.1.3 Previous and Current Soil Contaminant Distribution Summary**

#### ***Pre-Source Removal Conditions***

A large area of soil contamination was identified during initial site assessment activities performed by ABB. The source was identified to be in the vicinity of the former UST pit and extending to cover most of the property, approximately 25,000 square feet (ft<sup>2</sup>).

In December 2008, Fortis conducted a Supplemental Site Assessment of the Shadd property to establish the current state of soil contamination. Twenty-one soil borings (FSB-1 through FSB-21) were advanced to a depth of approximately 30 feet bls. Soil samples were continuously collected from land surface to approximately 30 feet bls for lithology and screening with an OVA. Eighteen soil samples were collected for laboratory analysis. Soil analytical results reported benzene, toluene, ethylbenzene, total xylenes, and MTBE above SCTLs for leachability based on groundwater criteria. Benzene and total xylenes were reported in the soil above residential direct exposure limits. The vertical extent of contamination was reported to be approximately 22 feet below land surface (bls).

In August 2010, MACTEC conducted a Supplemental Site Assessment of the Coastal Mart and Shadd properties to fill in data gaps from the previous site assessment that was conducted by Fortis with the goal of complete delineation of soil contamination. A total of twenty-five soil borings (SB-16 through SB-40) were advanced. The soil borings were advanced to a depth of 30 feet bls. Continuous soil samples were collected from each boring and headspace readings were collected in the field using an OVA. For the purpose of this LSRAP the vadose zone is defined by the soils from the surface to 10 feet bls and the smear zone is defined by the soils from 10 feet bls to 22 feet bls. Based on OVA measurements and visual observations, ten analytical soil samples were collected for laboratory analysis.

Soil contamination above the SCTLs, both leachability and residential direct exposure; have been documented in laboratory analytical samples collected from both the vadose and smear zones. The extent of soil contamination was based on analytical data and observed readings from the OVA for each soil boring. The OVA data has been divided into the following intervals (0 to 10 feet bls [vadose zone], 10 to 16 feet bls [shallow-smear zone- first clay unit], and 16 to 22 feet bls [deep-smear zone-second clay unit]). These intervals are shown graphically on Figures 6 through 8. These figures presents the extent of soil contamination based on soil OVA and analytical data showing the extent of contamination (approximately 10 parts per million [ppm]). Soil analytical data is provided on Figures 6 and 7 and in Tables 5 and 6. These figures present a clear picture of the extent of soil contamination expanding with the increasing depth intervals. Soil screening data was provided in the LSRAP for soil removal.

AMEC conducted a regression analysis of OVA data versus analytical data in an attempt to find a correlation between data sets. The regression analysis did not show any reliable correlation between the data sets. Semi-logarithmic plots were provided in the LSRAP. Based on the data available, it has been documented that analytical exceedances were documented in soil samples with OVA concentrations as low as 1 ppm. This combined with the nature of the extent of the soil plumes (10 ppm OVA being nearly the same as 100 ppm) indicates that in order to remove all the contaminated soil would require soil excavation to 10 ppm OVA. Because of the numerous site restrictions (buildings, canopy, USTs, utilities), AMEC recommended a source removal.

#### ***Post Source Removal Conditions***

A total of 3,699.55 tons of petroleum impacted soil were excavated from the Coastal Mart property using 107 traditional LDAs and 41 bell type LDAs (148 total) and a total of 27,770.23 tons of petroleum impacted soil were excavated from the Shadd property using LDAs and conventional excavation.

Based on soil OVA and analytical data, petroleum impacted soils were excavated from Coastal Mart site source areas and removed to the maximum extent feasible. There were several pockets of source material (soil contamination above 10,000 ppm OVA and/or the SCTLs) that were not able to be removed because of physical site constraints. The area behind the Hungry Howies building, adjacent to SW 3rd Avenue, and to the north of the laundry mat building remained above the 10,000 ppm OVA and/or SCTLs following the completion of the source removal. Additionally, low level (less than 10,000 ppm OVA) soil contamination exists north of the convenience store and under the convenience store and laundry mat buildings.

Based on soil OVA and analytical data, petroleum impacted soils were excavated from Shadd Property site to the maximum extent feasible with only isolated pockets of soil contamination above the SCTLs remaining to the north by Main Street and under the northwest corner of the Shadd building and possibly near/under the convenient store to the west.

Based on the areas from Figure 6 and the mass removal from the excavation, approximately 1,038 pounds of petroleum contaminants are present in 4,185 tons of contaminated soil (vadose and smear zones) that remain at the sites. Soil contaminant mass calculations are provided in Appendix A.

## 2.1.4 Groundwater Contaminant Summary

### *Free Product Summary*

The presence of free product (Shadd Property) was the basis for initial emergency response by OH Materials in 1983. A wide variety of free product recovery activities have been conducted since the initial discovery. Product recovery activities at the Lake Butler Cluster site ranged from test pit excavation (OH Materials), to recovery trenches (ABB), to a full scale product recovery system (ABB), to targeted vacuum truck events (Harding ESE), to internal combustion engine (ICE) (MACTEC). Following the completion of the targeted vacuum truck and ICE events (May 2004) free product thickness and frequency of observation were greatly reduced. Measureable free product has not been observed at the Shadd or Coastal Mart sites since June 2008. However sheens on purge water have been observed prior to the source removal, but have not been observed post source removal. Despite the current observable conditions at the Coastal Mart site, the existence of free product cannot be eliminated, given the history of free product and the site lithology.

### *Extent of Groundwater Contamination*

The most recent groundwater analytical data is from groundwater samples collected from site monitoring wells in March 2013. AMEC collected groundwater samples from monitoring wells MW-2S, MW-4SR, MW-4IR, MW-5SR, MW-6R2, MW-8R2, MW-22IR, 23SR, MW-26CR, MW-27CR, MW-30C, MW-31C, MW-38SR, MW-40IR, MW-55I, MW60S, MW-61SR, MW-62SR, MW-63SR, MW67S, and MW-69S.

Based on the March 2013 groundwater sampling event groundwater analytical results, target analytes were detected above their groundwater cleanup target levels (GCTLs) as defined in Table I of Chapter 62-777 Florida Administrative Code (FAC) in the groundwater samples collected from each of the following monitoring wells: MW-2S, MW-4SR, MW-4IR, MW-5SR, MW-6R2, MW-8R2, MW-22IR, MW-23SR, MW-26CR, MW-27CR, MW-30C, MW-38SR, MW-55I, MW60S, MW-61SR, MW-62SR, MW-63SR, MW67S, and MW-69S. Additionally, target analytes were detected above their Natural Attenuation Default Concentrations (NADCs) as defined in Chapter 62-777 FAC in the groundwater samples collected from each of the following monitoring wells: MW-2S, MW-5SR, MW-6R2, MW-8R2, MW-23SR, MW-26CR, MW-27CR, MW-30C, MW60S, MW-62SR, and MW67S. Target analytes were reported at concentrations below their GCTLs in the groundwater samples collected from monitoring wells MW-31C and MW-40IR. A summary of the groundwater analytical results is presented in Table 2 and Figure 4. The groundwater laboratory analytical report is included in Appendix B.

The current extent of the shallow plume covers a large area of approximately 5 acres. Based on groundwater contaminant concentrations, the estimated mass of petroleum related constituents in the groundwater at the Coastal Mart site is approximately 157.63 pounds of petroleum constituents. Groundwater analytical results are summarized in Table 6. Groundwater analytical results are presented in plan view on Figure 9. Groundwater contaminant mass calculations are provided in Appendix A.

## 3.0 DIFFICULT SITE CONSIDERATION

Results of the discussions with FDEP and recommendations made in the previous submitted reports were evaluated during the preparation of the LSRAP (March 2011). Primary consideration in the evaluation of appropriate remedial technology was given to the previous and long-term unsuccessful remedial activities conducted at this site and the continuing wide spread areas of highly contaminated soil and groundwater. Because of these factors the site has demonstrated itself to be a difficult site and source removal was the most reasonable strategy for source treatment at the Coastal Mart and Shadd sites. Subsequently, a source removal was conducted and groundwater has been monitored for one year since the source removal. Based on the reduced but continuing groundwater contamination, particularly the downgradient

plume that is migrating toward the potable well supply well, it was determined that the second phase of remediation (groundwater) was required to protect human health and the environment.

### **3.1 Phased Remediation**

Because of the site lithology, high soil contaminant concentrations, wide spread nature of soil contamination, and failed implementation of the previous remedial plan, AMEC and FDEP agreed that in order to achieve site remediation the source must first be removed, then groundwater contamination can be addressed through either natural attenuation and/or active remediation (air sparging).

The source removal was successfully implemented and although there have been reduction in the groundwater contaminant concentrations there are still numerous monitoring wells with contaminant concentrations above the GCTLs and NADCs. In light of this and the fact that there is a large offsite dissolved plume migrating toward the public supply well it is necessary to implement an active remedial technology. Based on discussions with FDEP, biosparging with horizontal wells will be utilized to reduce dissolved phase contamination to 90% of baseline groundwater concentrations toward the GCTLs, as defined in Chapter 62-770, FAC and RAI guidelines. The active cleanup effort shall be deemed complete once these levels are achieved. If the decision is to continue under active remediation once the primary phase of cleanup has been achieved, FDEP and AMEC shall establish new milestones for the second phase (achievement of GCTLs) of remediation.

### **3.2 Long Term Natural Attenuation Monitoring**

Based on the current site conditions and presence of large groundwater contaminant plume above NADCs long term natural attenuation monitoring (LTNAM) is not being considered immediately after the source removal. A biosparge system with horizontal wells is recommended as the second phase of remedial modifications. Natural Attenuation monitoring will be performed upon reaching NADCs with active remediation.

## **4.0 SUMMARY OF PILOT TEST ACTIVITIES**

A pilot test was not conducted at this site; however reasonable radii of influence (ROI) for air sparge (AS) and SVE technologies have been utilized based on the vacuum ROI of the previously installed SVE system and a pilot test performed at the nearby Karen's Kwik Stop site for air sparge.

### ***Karen's Kwik Stop Pilot Test Summary***

Two remedial technologies were piloted at this site. The technologies were SVE and air sparge. Personnel from AMEC conducted the pilot tests on April 2 and April 3, 2013. Vacuum / pressure, dissolved oxygen, and depth-to-water measurements were recorded in select monitoring wells before, during, and after the pilot test. These wells were used to collect soil vacuum, groundwater drawdown, and sparge ROI measurements and analytical data during the pilot test.

The theoretical groundwater sparging ROI for AS-1 was found to be approximately 30 feet at a pressure of approximately 6.5 psi (6.0 psi break through) and air flow rates of 6.0 scfm. The SVE test at this site was ineffective.

Based on the data recorded during both the AS and SVE operation, it appears that the AS system technology operated successfully on an individual basis, and simultaneously with the SVE system to produce a desirable influence on the site conditions comparable to pilot test design estimations.

## 5.0 RECOMMENDED REMEDIAL ACTION

### 5.1 REMEDIAL STRATEGY

The groundwater contaminant plume stemming from the Coastal Mart and Shadd site source areas covers the entire site and extends off-site to the south approximately 400 feet. The groundwater plume size of these sites together comprises an area of approximately 400 feet by 800 feet. Based on the pre-RAP meeting, the overall remedial objectives for the site, the relative effectiveness, and costs presented in the following sections, AMEC proposes that the existing Soil Vapor Extraction (SVE) system be restarted along with the additional ten SVE wells installed during the source removal to provide soil remediation and vapor capture under the site buildings. Additionally, five horizontal biosparge wells are proposed to be installed to treat the shallow groundwater plume above the semi-confining clay layer at approximately 30 feet bls. These horizontal wells will also prevent vertical migration into the intermediate and deep aquifers.

Prior to selection of the above referenced technology, several remedial technologies were considered to address residual soil and dissolved phase groundwater contamination at the Coastal Mart and Shadd sites. A number of factors were taken into consideration when choosing the remedial technology for this site. They included potential effectiveness, cleanup time, property access issues, cost of implementation, and the extent of impact to the business and its merchants.

The following technologies were evaluated during the RAP design phase:

- Groundwater extraction a.k.a. "Pump and Treat"
- SVE
- Air sparge (vertical and horizontal)
- Biosparge (vertical and horizontal)
- *In-situ* Chemical Oxidation
- Electrical Resistive heating

#### 5.1.1 Technology Evaluation

##### ***Pump and Treat***

Pump and treat is one of the older and more versatile techniques for cleanup of contaminated groundwater in which groundwater is first extracted from the subsurface and then treated using air stripping carbon adsorption, or biological treatment for organics, and physical/chemical methods for inorganic contaminants. However, as a standalone technique, pump and treat has its limitations. Monitoring of system performance often shows initially a substantial decrease in the contaminant concentrations in the affected groundwater zone followed by a declining rate of decreasing contaminant concentrations. In the worst case, the decline in contaminant concentrations is so small that the treatment system must operate for decades in order for the groundwater to meet cleanup standards, which has been the case at this site. A pump and treat system was installed in 1995 and operated until 2010 with only moderate progress. Therefore, pump and treat is not recommended to address the residual petroleum contamination at this site.

##### ***Soil Vapor Extraction***

Soil vapor extraction (SVE) or soil vacuum extraction is a common, cost effective technique for removing volatile organic compounds from contaminated soils located above the groundwater table. The technique uses a vapor extraction well installed in the vadose zone to which a vacuum is applied to extract the adsorbed volatile organics from the soils in this zone. Off gases are treated with granular activated carbon (GAC) before venting to the atmosphere. SVE has the advantage that it is an *in-situ* technology that may be implemented with a minimum of site disturbance and it has the potential to treat large volumes of soil at a reasonable cost. As part of the pump and treat system that was installed in 1995 a SVE system was also installed. The SVE system was somewhat successful, in that reasonable radii of influence were observed (30 feet) and high vapor concentrations were recovered from the wells. The SVE system was not effective primarily because it was under sized and that poor operational time because of numerous issues with the pump and treat system that prevented the SVE system from running. Based on the fact that most of the

highly contaminated soils were removed during the source removal and that the entire infrastructure for the SVE system is in place, SVE is recommended to treat residual soil contamination and provide vapor capture if necessary.

### ***Air Sparging***

Air sparging is an *in-situ* remediation technique in which air is injected into the saturated zone through an air sparging well. The air travels both horizontally and vertically through the soil column, creating small air-filled channels in the saturated zone. The injected air contacts dissolved and adsorbed contaminants in the aquifer, causing volatile organic contaminants to volatilize. The volatilized organic components are carried by the air stream into the vadose zone, where they may be captured and removed using SVE. In addition to removal by volatilization, the sparged air maintains an increased level of dissolved oxygen in the aquifer that will enhance the natural biodegradation of organics. In general, air sparging is more effective for constituents with greater volatility and lower solubility and for soils with higher permeability. At high air injection rates, the tendency for groundwater mounding and contaminant movement off site must be carefully monitored. With air sparging, groundwater disposal costs are not an issue. Air sparging is a viable technology for this site, but would require vapor capture over a large area that does not also have soil contamination that would benefit from the vapor extraction.

### ***Biosparging***

Biosparging is defined as the process of injecting air at controlled pressures and volumes into the groundwater below the point of contamination. There are three mass transfer phenomena that take place during this process: volatilization of dissolved-phase organic compounds, increased mobility of the contaminants adsorbed to the aquifer material, and increased biological activity due to the microorganisms using the dissolved oxygen (DO) as an electron acceptor for growth and consuming the hydrocarbon plume. Biosparging differs from air sparging in one important respect; the goal of air sparging is to volatilize VOCs and remove them via stripping, while the goal of biosparging is to create an optimum environment for microorganism growth. Biodegradability varies with the contaminant present in the plume. Since most petroleum compounds have been proven amenable to bioremediation, increasing the DO should stimulate the microbial activity within the contaminant plume. Biosparging is a viable technology and the implementation of biosparging eliminates the need for vapor capture outside of the areas that don't already need vapor extraction for remedial purposes.

### ***In-situ Chemical Oxidation***

In-situ Chemical Oxidation is a process by which a chemical oxidizer, such as hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) or sodium permanganate (Na<sub>2</sub>MnO<sub>4</sub>), and a catalyst are injected under pressure into the subsurface treatment zone. Soil, groundwater, and free product then react with the oxidizer products through direct contact and are decomposed to carbon dioxide (CO<sub>2</sub>) and water (H<sub>2</sub>O). The main constraints for this technology are soil permeability and adequate contaminant concentrations. ISCO can be a highly effective method of destroying organic contaminants in situ, however the success of this technology is completely dependent on gaining contact between the contaminant and the oxidant. Since the treatment area (vadose and smear zones) was shown to be unaffected by vacuum extraction the likelihood of having a reasonable radius of influence for the injections is low, resulting the need for tighter spacing of the injection wells. Additionally, ISCO could not be used in close proximity to the USTs, as the reaction creates high temperatures and could potentially negatively impact the integrity of the fueling system. As for the contaminant concentration, the greater the concentrations, the more cost effective this technology becomes, therefore, based on the existence of free product and high levels of BTEX, PAHs, and TRPH/DRO contamination this technology is considered marginally viable technology. Finally, AMEC implemented this technology as a pilot test at a site less than a block away with very similar lithology with no success. AMEC does not recommend moving forward with this technology, but has provided a cost for comparison purposes.

### ***Electrical Resistive Heating***

In-situ thermal heating is a process by which the entire contaminated area soil, groundwater, and free product is heated using a series of electrical nodes and vapors are captured with vapor extraction wells.

Electricity power, either 3 or 6-Phase, is sent to these nodes with varying frequency and voltage. The ground acts as a resistor and is subsequently heated to temperatures high enough to initiate volatilization of contaminants which are then captured by a vapor collection system. This technology is a marginally viable technology for this site because the majority of the highly contaminated soils have already been removed and there is still an active UST in close proximity to the Coastal Mart source area, which would likely cause unwanted exposure to high temperatures and could cause integrity issues with the fueling system.

### 5.1.2 Cost Comparison

The costs presented below are based upon an average cleanup time frame of five years. However, anisotropic subsurface and non-uniform groundwater flow conditions may extend the actual cleanup timeframe and hence overall remediation costs to achieve NFA beyond five years. The costs were estimated using information from sites with similar conditions.

Air sparge (vertical wells) with expanded SVE system:

- Cost includes installation of 25 vertical SVE wells (\$50,000) and 40 vertical air sparge wells (\$80,000), construction and installation of an air sparge/SVE system and all appurtenances (\$655,000), and five years of O&M monitoring (\$505,000).

**Total Cost = \$1,290,000**

\*The coverage of the vertical air sparge wells does not allow for remediation under many of the site buildings and roads, thus the actual cleanup time frame will be closer to 7 years or approximately \$200,000 in additional O&M costs.

Air Sparge (horizontal wells) with expanded SVE (horizontal wells) system:

- Cost includes installation of 5 horizontal air sparge wells (\$475,000), 12 vertical SVE wells (\$24,000), and 2 horizontal SVE wells (\$190,000), construction and installation of both a biosparge and a SVE system with all appurtenances (\$550,000), and five years of O&M monitoring (\$505,000).

**Total Cost = \$1,744,000**

Biosparge (vertical wells) with existing SVE system:

- Cost includes installation of 40 vertical biosparge wells (\$80,000), construction and installation of an air sparge/SVE system and all appurtenances (\$580,000), and five years of O&M monitoring (\$505,000).

**Total Cost = \$1,165,000\***

\*The coverage of the vertical biosparge wells does not allow for remediation under many of the site buildings and roads, thus the actual cleanup time frame will be closer to 10 years or approximately \$500,000 in additional O&M costs.

Biosparge (horizontal wells) with existing SVE system:

- Cost includes installation of 5 horizontal biosparge wells (\$475,000), construction and installation of a biosparge system and operation of the existing SVE system (\$226,000), and five years of O&M monitoring (\$505,000).

**Total Cost = \$1,206,000**

### 5.1.3 Selected Technologies

Based on the pre-RAP meeting, discussions with FDEP, the overall remedial objectives for the site, the relative effectiveness (pilot test results), and costs, AMEC recommends remediating the dissolved phase groundwater plume using horizontal biosparge wells and remediating the residual soil contamination along with providing vapor capture onsite with the existing SVE system plus modifications. Based on

information presented in the recent groundwater sampling event (March 2013) at the subject site, results indicate that groundwater contamination exists in the shallow zone (~10 to 30 feet bls).

Based on the available data and cost comparisons, soil vapor extraction was selected for site remediation for the following reasons: (1) Sandy soils in the source area are very conducive to vapor extraction and the site has an existing surface seal; (2) the soil vapor extraction system is currently in place; (3) the main reason for the SVE being ineffective in the past was deficiencies in the pump and treat system and a difficult clay unit at the water table that has since been removed by excavation. Figure 10 presents the existing SVE layout.

Biosparging with horizontal wells was selected for this site based on the available data, site conditions, and cost comparisons for the following reasons: (1) the large plume under roads and buildings prevents the installation of a vertical treatment system without large "holes" in the groundwater treatment area, were as horizontal wells will give almost complete coverage of the groundwater plume; (2) the geology is conducive to either air or bio sparging, however the use of biosparging eliminates the need for vapor recovery over the entire area of the groundwater plume; (3) the system requirements for a biosparge system are less than any of the other types of proposed alternatives, which results in lower O&M costs over the duration of the remediation. Figure 11 presents the proposed biosparge layout.

Five horizontal biosparge wells will be required to treat the groundwater plume, which goes under multiple building, roads, and other infrastructure that make traditional vertical wells impractical (Figures 11). Based on the soil lithology (silty sands and sandy clays above 30 feet bls with a semi-confining unit beginning around 30 to 40 feet bls), and current SVE system performance, the horizontal wells will be effective in remediating the groundwater contamination. Installation of the horizontal biosparge wells is a proven and cost effective technology to remediate groundwater contamination under roads and buildings. The advantages of installing the horizontal biosparge wells are as follows:

1. Increased air flow and radius of influence
2. Uniform air flow through the length of the horizontal well screen
3. Reduced remediation time
4. Effective technology to remediate under roads and buildings
5. Reduced site access requirement and installation procedure does not require any road or lane closures.

## **6.0 SYSTEM DESIGN**

AMEC intends to utilize an biosparging system to remediate dissolved phase petroleum contamination in the saturated zone at the Coastal Mart site. Rule 62-770.700(5)(c), FAC states that in-situ air sparging systems shall be designed and operated in conjunction with air emissions treatment system(s) unless the RAP design is based on sparging rates and optimum air flow with minimal volatilization of hydrocarbons, which this RAP is compliant with. However, a vacuum extraction system shall operate at an airflow rate at least 50% greater than the biosparging air flow rate for the onsite property as part of the soil remediation system. The vacuum extraction system shall be provided with air emissions control as described in Rule 62-770.700(5)(a), FAC. The value of the AS flow rate is 200 scfm and the value of the SVE flow rate is 1,025 scfm and meets the minimum requirement as in rule 62.770.700 FAC.

### **6.1 Biosparge System Design**

As discussed in above, the majority of the contamination is in the shallow zone of the aquifer (20 to 30 feet bls). Samples collected from deeper zones (50 to 90 feet bls) suggest much lower contaminant levels and indicate that the vertical migration of contaminants is minimal. The size of the contaminant plume makes the cost to treat the entire plume impractical; therefore, the biosparge wells will be installed to address mainly the highest contaminant levels in the shallow zone. The horizontal biosparge wells will

be installed generally in an east-west configuration perpendicularly to the direction of the groundwater flow gradient (north to south) of the source area, creating a series of oxygen-enhanced linear flow-through zones. The layout is shown on Figure 11. This layout will reduce contaminant levels in the immediate area of the well screens and down and crossgradient as the groundwater passes through and disperses in its natural flow direction. Figure 11 shows the estimated groundwater radius of influence (ROI) of the biosparge wells of approximately 30 feet when installed at approximately 28 feet bls. The estimated ROI represents the initial radius and is an anticipated minimum. After the system has been running for some time, the ROI is anticipated to affect the majority of the groundwater plume.

The design of this biosparge system is geared toward introducing a sufficient amount of air/oxygen into the water table using a series of five horizontal biosparge wells to initiate the three biosparge mass transfer processes of increased mobility of the contaminants adsorbed to the aquifer material, increased biological activity due to the microorganisms using the dissolved oxygen (DO) as an electron acceptor for growth and consuming the hydrocarbon plume, and secondary volatilization of dissolved-phase organic compounds. The injection flow rate will be approximately 0.25 actual cubic feet per minute (ACFM) per screen slot or 2.0 ACFM per 20 linear feet of horizontal injection/sparge well screen.

### **6.1.1 Horizontal Biosparge Well Design Requirements**

The slotting characteristics of a well screen is normally expressed as "open area" or "percent open area." The open area of a well can be uniform (or the same per foot of screen) or varied. With uniform open area there is a possibility that there could be too much flow at the near end or far end of the screen and the well would not meet the basic requirement of uniformity of air distribution down the length of the screen. The alternative to "uniform slotting" is "non-uniform slotting". With this well design technique, the well is designed to have uniform well screens. Over-all, the screen segments are designed so that there will be acceptably uniform air injection over the entire length of the well screen. Experience has shown that the use of an air injection rate of about 0.1 – 0.25 ACFM per foot of screen is generally adequate to conduct "bio" sparging without actually "air" sparging contaminants out of the groundwater. This is a particularly important as there are many structures above the groundwater plume that could be negatively impacted by vapor intrusion.

The horizontal wells will be completed with 3-inch SDR-11 high-density polyethylene (HDPE). The pipe has an inside diameter of 2.74 inches, and an average wall thickness of 0.416 inches. The wells are slotted longitudinally, with slots parallel to the axis of the pipe. The fluid-like material properties of HDPE necessitate over-sized slot incisions, which become narrower as the pipe swells. The biosparge well screen consists of a series of "micro-slits" 1/2-inch in length which are placed 30-inch on center (8 slits/20-foot section) and run the entire length of the screen. The specific size and spacing of the "micro-slits" is calculated based on the specified sparge/flow rate (0.1 acfm/foot of screen), depth below static water table (10 to 20 feet), and the need for even distribution of air flow across the entire length of the sparge/well screen. These slot widths and lengths may vary based on actual engineering calculations. Calculations and design criteria were calculated by the well screen manufacturer and are provided in Appendix A. A cross-sectional view of a typical biosparge well is presented on Figures B4A through B4E. Well construction material details for the 3-inch HDPE pipe are shown on Figure B5.

### **6.1.2 Horizontal Well Installation Procedures**

The five horizontal biosparge wells will be installed using horizontal drilling techniques and placed to the desired depths of 28 feet bls, based on the site's subsurface lithology. The screen riser lengths for the horizontal biosparge wells are summarized below.

Well ID	Screen Length (feet)	Riser Length (feet)
HBS-1	300	350
HBS-2	320	290
HBS-3	360	265
HBS-4	340	210
HBS-5	280	250

The air sparge and SVE wells will consist of 3.0-inch ID high density polyethylene (HDPE) pipe in 20-foot sections hot fused together to the specified length. The well screen will consist of a series of "micro-slits" and will run the entire length of the screen. The specific size and spacing of the "micro-slits" is calculated based on the specified sparge/flow rate and the need for even distribution of air flow across the entire length of the sparge/well screen. Calculations and design criteria will be provided upon FDEP approval to install the horizontal wells. Typical horizontal biosparge well construction and vault details are provided in Figure B5.

The drilling rig will be positioned at the entrance pit and the pilot hole drilling for the horizontal wells will be advanced to the total length of the well. The well hole will be renamed (piping installation) by re-drilling the entire length of the well. The bore hole diameter will approximately be 10 inches. The biosparge wells will be developed in a three-step process. In the first step, the well is flushed with at least one wellbore volume of clean water. The purpose of this step is to remove drilling fluid from within the well casing, and to begin removing drilling fluid from the annular space. The second step introduced a clay dispersant into the wellbore by capping one end of the well casing and injecting into the other end. In this step, the clay dispersant filled the annular space and is allowed to react with the drilling fluids for a period of 24 hours, or longer if needed. The third and final step requires flushing the annular space and the well casing with clean water with at least one wellbore volume. During this step, returns are monitored in the well pit until the returns consisted of water free of drilling fluids.

The wells will be grouted from the entry pit. A cement-bentonite slurry is used, containing no more than 8 percent bentonite by dry weight of cement, and mixed with a maximum of 10 gallons of water per 94-pound sack of Type I Portland cement. The cement-bentonite slurry is injected into the annular space of each well through a 1-inch diameter, HDPE tremie pipe that was attached to the well casing and pulled into the wellbore during well completion. Design calculations for the horizontal wells is included in Appendix A.

### 6.1.3 Horizontal Well System Piping and Trenching

A 24-inch wide, 30-inch deep trench will run from the horizontal biosparge wells to the existing equipment compound. System piping for the five horizontal biosparge wells will be 2.0 inch diameter Schedule 80 PVC. Following pipe installation, trenches will be backfilled with either clean, Type A-3 sand fill or clean native material. Backfill material shall be compacted in 6-inch loose lifts using a "rammer" type compactor to 100 percent Standard Proctor, ASTM D-698 (latest revision). Backfill and compaction will extend to within two inches of the existing site grade surface. Drive tube field density compaction tests will be performed to confirm adequate compaction. Trenches will be completed with 2 inches of topsoil and sod. The stubbed up piping in the system compound will then be piped to the existing system header. The proposed trenching layout is presented on Figure B6 and a typical trench cross-section is illustrated on Figure B6.

All required trenching and underground work will comply with the Trench Safety Act, Sections 553.60-553.64, Florida Statutes (F.S.) and the underground Facility Damage and Prevention and Safety Act, Sections 556.101-556.111, F.S.

#### **6.1.4 Biosparge System**

Based on the pilot test results at the Karen's Kwik Stop site and an approach described by Nyer (1997) and Suthersan (1996), the following design parameters were calculated. A well head target pressure of 28 pounds per square inch (psi) should provide enough pressure to overcome head losses from piping and hydrostatic pressure. Design flow is set at 0.1 scfm per foot of BS well or 200 scfm total from the five sparge well heads (including safety factors and losses). The design radius of influence of 30 feet was chosen based on the pilot study at the Karen's Kwik Stop site.

Engineering calculations are provided in Appendix A. Equipment literature and technical specifications are provided in Appendix D.

The biosparging system will supply air via a standard oil lubricated rotary screw compressor to the five horizontal biosparge wells from one equipment compound. The well layout is presented on Figure 11. System piping from the wells to the compound will be 2-inch Schedule 80 PVC pipe. The compressor system will deliver air to each well at a flow rate such that an average flow rate of 37.5 scfm, 40 scfm, 45 scfm, 42.5 scfm, and 35 scfm for the each of the horizontal biosparge wells HBS-1 through HBS-5, respectively. The air flow to each sparge well will be controlled using the flow/pressure regulator. Calculations are provided in Appendix A.

To size the compressor, the actual pressure and flow rate for the system were calculated taking into account pressure and dynamic losses then compared to the pilot test results. The larger of the two requirements (calculation plus safety factor) was used to design the sparge system. The estimated design flow rate is 200 scfm at a pressure of 28 pounds per square inch gauge (psig). These calculations can be found in Appendix C. Based on these requirements; the recommended compressor is a Kaeser BSD-50, 50 HP, 230 volt air compressor or an approved equivalent. The compressor is capable of delivering air at a pressure of 125 psi and a maximum flow rate of 241 scfm (100% duty cycle).

Additional power poles may need to be installed to deliver 3-phase power to the compressor. The compressor, heat exchanger, and discharge silencer for the system will be housed in a fully-enclosed equipment building or trailer. The building or trailer will be equipped with inside lights and an automatic fan to vent the trailer when temperatures exceed 90°F. The air discharge lines to the wells will be fitted with a oil coalescing filters, pressure regulator and indicator, butterfly valve, check valve," and a flow meter to allow for automated flow control from one well to the other on a preset cycle and to adjust the air flow rate and pressure. Figure E7 presents the air sparge process and instrumentation diagram.

#### **6.1.5 Logic Control Panel**

A weather tight logic control panel will be mounted to the trailer to diagnose any conditions that cause the sparge system to shut down. The control logic will:

- Initiate shutdown of the system if the pressure exceeds that set by the manufacturer for the compressor or if the temperatures exceed that set by the manufacturer for the compressor motor.
- Initiate shutdown of the system if the SVE system shuts down.
- Restart the system when alarm conditions, which caused the system shutdown, are rectified.

- Restart the system in the event of a power failure.

The logic control panel will also restart the system when the aforementioned conditions are rectified. The panel will be equipped with a run totalizer in hours for the compressor. Tele-monitoring and system control will be accomplished using a Direct logic DL 250 PLC unit or an approved equivalent.

### **6.1.6 System Operation**

The sparge system will operate 24 hours a day, 7 days a week, until analytical data indicate that the remedial objectives have been met or analytical data suggests that an alternating cycle of time or wells would be a more effective means of remediation. A runtime goal of a minimum of 80% will be maintained as per FDEP guidelines. The system will operate below 25% of the LEL.

### **6.1.7 Control Panel**

A weather tight logic control panel will be mounted to the outside of the trailer/building to control system operation and diagnose any conditions that cause the SVE or biosparge systems to shut down. The panel will be equipped with run totalizers in hours for the biosparge compressor, air. The control panel will be equipped with power surge and lightning protection for both the electrical controls and the phone lines (telemetry).

A telemetry system is recommended to allow continuous in-office monitoring and data logging of the systems operation. This system will minimize the down time should the system become inoperative because the system can be monitored from the office, which will allow for quick response times. Should telemetry indicate that the system is not operating effectively; a technician will be sent to the site to verify and/or repair the problem. Telemetry/telemonitoring and system control will be accomplished using a Directlogic DL 250 PLC with a P&ID interfaceable operating system, or approved equivalent. The telemetry system will have autodialing capability to send voice, fax, or e-mail alarms. This system also has a battery backup to ensure data retention. All equipment will be UL approved (or equivalent) and will have a minimum 1-year warranty.

Power surge protection and lightning protection will be provided as required based on the equipment installed. Monthly O&M visits would be performed as recommended by the equipment manufacturer(s), and will include inspection and/or testing of system flow meters, sensors, and other metering or regulating equipment. Additionally, equipment compound area readings will be recorded including equipment runtime totalizers and electrical usage meters.

Similar telemetry systems have been implemented in several of AMEC's remedial design packages. These systems have allowed real-time system monitoring and remote restart capabilities. These features have minimized site visits and significantly decreased remedial system downtime. At a minimum, remedial systems with telemetry are checked weekly.

## **6.2 EXISTING SOIL VAPOR EXTRACTION SYSTEM DESIGN**

An SVE system was installed in 2005 to remediate the subject property. AMEC recommends using the existing SVE system to operate the existing SVE wells. Based on the design calculations the current system will have enough capacity to operate the newly installed horizontal BS wells, as the existing SVE system was designed to operate 16 recovery wells along with 4 SVE wells and the proposed operation is for the operation of seven remaining recovery wells, 4 remaining SVE wells, and 10 SVE wells that were installed during the excavation. The existing system was set to run at approximately 600 scfm at 92 inches of water vacuum but has capacity to operate up to 1,025 scfm at 92 inches of water vacuum. AMEC recommends operating all of the vertical vapor recovery wells (SVE and RW) continuously.

## 6.2.1 Existing SVE Wells

### ***ABB Environmental Services Installed Wells***

A total of 36 recovery wells were installed as part of the original Lake Butler Cluster Site remediation system in 1996, however many of these wells were either removed during the source removal or are on sites other than the Coastal Mart or Shadd sites. There are currently 7 recovery wells that will be incorporated into the SVE well network. Each Recovery well is screened from approximately 4 to 25 feet bls. Each recovery well is constructed of 6-inch inside diameter, Schedule 40 PVC pipe screened with 0.020 slot PVC screen with a 6/20 sand pack and a bentonite seal. The top of the each riser pipe is capped with a variety of appurtenances and each is covered with a bolt-down manhole cover set in a 4-foot by 3-foot concrete pad.

### ***Fortis Installed Wells***

A total of 4 SVE wells were installed during the system modifications and SVE system installation at the Coastal Mart and Shadd sites. SVE well SVE-A was screened from approximately 3 to 15 feet bls. SVE wells SVE-B and SVE-C were screened from approximately 10 to 15 feet bls. SVE well SVE-E was screened from approximately 8 to 15 feet bls. Each SVE well is constructed of 4-inch inside diameter, Schedule 40 PVC pipe screened with 0.010 slot PVC screen with a 6/20 sand pack and a bentonite seal. The top of the each riser pipe is capped with a 2-inch Schedule 80 PVC tee and gate valve and covered with a bolt-down manhole cover set in a 2'x2' concrete pad.

### ***AMEC Installed Wells***

A total of 11 SVE wells were installed during the source removal at the Coastal Mart and Shadd sites. Each SVE well was screened from approximately 5 to 15 feet bls. Each SVE well is constructed of 4-inch inside diameter, Schedule 40 PVC pipe screened with 10 feet of 0.020 slot PVC screen with a 6/20 sand pack and a 2-foot fine sand seal. The top of the each riser pipe is capped with a 2-inch Schedule 80 PVC tee, threaded cleanout, ball valve, and sample port and covered with a bolt-down manhole cover set in a 2'x2' concrete pad.

Locations of the proposed extraction wells are shown on Figure 10. Figure B2 illustrates, in detail, a typical post source removal SVE well.

## 6.2.2 Existing SVE System

The existing SVE system is housed in a fully enclosed treatment container as presented on Figure B2 (treatment system using rotary lobe blower). The SVE and vapor recovery wells are currently connected to the system. Each header line currently has a vacuum gauge, ball valve, and sample port. The vacuum gauge is capable of measuring 0 to 30 inches of Hg. The ball valve allows variations in vacuum and flow applied to each well. After passing through a wye strainer, influent vapors and any fluids then enter a 240 gallon moisture separator (air/water separator) for phase separation and respective treatment.

The moisture separator is equipped with four locally mounted level sensors. The three locally mounted level sensors include a level sensor low indicator to turn off the phase separator transfer pump, and one level sensor high indicator to turn the transfer pump on and two (one redundant) level sensor high indicator, to shut the system down due to high separator fluids. A mechanical relief valve is located on the moisture separator to relieve vacuum.

**Vacuum Blower:** Extracted vapors pass through the existing Sutorbilt 6LR rotary lobe blower. The blower is capable of a nominal air flow capacity of 1,025 acfm and a vacuum of 92 inches of water, and is powered by a 230 volt – 3-phase – 25 hp – explosion proof motor. Soil vapors and pass through a temperature control valve and an air-cooled heat exchanger. Vapors currently vent to the atmosphere through a vapor stack with a weather hood.

Contaminated condensate water is pumped from the phase separator through a 1-inch diameter Schedule 80 PVC pipe, via a 230 volt – 1 phase – 1.0 HP Moyno 500 pump, Series 356 through a pressure indicator, sample port, and flow totalizer into an existing equalization tank, which used to be pumped into two packed tower air strippers that were removed during the source removal. Treated groundwater would then be discharged into one of three existing injection wells.

### **6.2.3 Logic Control Panel**

A weather-tight logic control panel is mounted to the container to diagnose any conditions that cause the SVE system to shut down. The control logic initiates shutdown of the SVE system in the following situations: (1) temperatures exceeding those set by the manufacturer for the vacuum blower, (2) high liquid level in the moisture separator tanks T-1 or T-2, (3) vacuum level high for the system, (4) high blower discharge pressure, (5) high discharge temperature to the GAC (exceeding the desorption temperature for BTEX on GAC). The logic control panel can also restart the system when the aforementioned conditions are rectified. The panel is equipped with run totalizers in hours for the pumps and blower. Telemetry/telemonitoring and system control will be supplied.

### **6.2.4 SVE System Operation**

The system will operate 24 hours a day, 7 days a week, until sampling results indicate that no further action is necessary based on guidelines presented in Chapter 62-770, FAC.

### **6.2.5 Off-gas Treatment (Carbon)**

#### ***Vapor Phase***

The anticipated petroleum concentrations in the extracted soil vapor are not expected to be high for a long enough duration to warrant the use of a thermal oxidizer; instead vapor phase GAC will be used for treatment of the extracted vapors prior to discharge to the atmosphere. The estimated mass emission rate is expected to be above the regulatory limit of 13.7 lbs/day for at least the few months of operation. Using these assumptions, two Carbtrol G-5 carbon canisters with 2,000 lbs of GAC each will be installed in series for vapor treatment. Based on carbon usage rates 2,000 lbs of GAC (3 exchanges) should provide adequate treatment for 30 days which is the minimum required off gas treatment duration as per 62-770, FAC. If effluent concentrations are higher than the individual discharge limit after 30 days the carbon vessels will be changed out until the data suggests that treatment is no longer necessary. Calculations and equipment information are provided in Appendices A, respectively. A sample port will be located at the exit of each carbon vessel to monitor air emissions and flow rates. Vapors will then vent to the atmosphere after passing through an 8-foot high, 6-inch ID Schedule 80 PVC stack with a weather hood.

#### ***Liquid Phase***

Because there is no longer an active groundwater treatment system at the site, treatment will be required prior to discharge to the injection wells. Since the SVE system is currently operational and onsite and the proposed system is only a biosparge system the simplest method of treating the accumulation of condensate in the SVE system will be by using liquid phase carbon.

Condensate from the SVE system will then be pumped through a 1-inch diameter Schedule 80 PVC discharge pipe through two Carbtrol HP-1000 (or equivalent) 1,000 pound liquid phase GAC vessels for polishing then through a flow totalizer that will monitor the volume of treated water discharged to the three injection wells. The effluent discharge will be onsite to three gravity flow injection wells. A sample port will be located at the air stripper exit point to monitor system effluent conditions.

## **7.0 CONSTRUCTION DETAILS**

### **7.1 Utility Clearance**

The presence of any existing subsurface utilities and related subsurface structures will be verified in the construction zone to a depth of 5 feet prior to construction of the remediation system by the drilling and construction subcontractors. Utilities will be located using the Sunshine State One Call system.

### **7.2 Trenching**

An appropriately sized, approximately 30 inches deep trench will run from each SVE, and HBS well lines to the system compound. Following pipe installation, trenches will be backfilled with either clean, Type A-3 sand fill or clean native material (if acceptable). Backfill material shall be compacted in 6-inch loose lifts to 100 percent Standard Proctor, ASTM D-698 (latest revision). Backfill and compaction will extend to within 6 inches of the existing site grade surface. Drive tube field density compaction tests will be performed to confirm adequate compaction. Trenches will be completed with like surfaces (asphalt, concrete, gravel or grass). All Schedule 40 PVC SVE vapor pipes (2-inch diameter) and Schedule 80 PVC sparge pipes (3-inch diameter) will remain below grade and will terminate at the system compound as stub-ups for connection to the treatment system. Proposed trenching and trench cross-sections are illustrated on Figures B1 and B6.

All required trenching and underground work will comply with the Trench Safety Act, Sections 553.60-553.64, Florida Statutes (F.S.) and the underground Facility Damage and Prevention and Safety Act, Sections 556.101-556.111, F.S.

### **7.3 Equipment Compound**

The equipment compound will be used to house the soil and groundwater remediation systems and vapor and liquid GAC units. The area of the existing equipment compound is approximately 35 ft x 35 ft. Prior to installation of the biosparge system and relocation of the SVE system to the existing equipment compound, the remaining components of the old P&T system will be removed and disposed of to make room for the new equipment. The new biosparge system will be UL approved (or equivalent) and will have a minimum one year warranty. The existing SVE system is UL approved, but has been idle for a few years and may require maintenance prior to startup. The equipment compound location is presented on Figure B1.

Power surge protection and lightning protection will be required. Monthly O&M visits will be performed, and will include inspection and/or testing of system flow meters, sensors, and other metering or regulating equipment. Additionally, equipment performance readings will be recorded including equipment run-time totalizers and electrical usage meters. Maintenance will be performed on all system components per manufacturer(s) recommendations to maintain the warranty.

### **7.4 Compliance**

All underground work will comply with rules set forth in Sections 553 and 556, F.S. All electrical and plumbing work, underground utility construction, and pollutant storage and removal will be performed in accordance with Sections 489 and 553 F.S. All construction work will be performed in accordance with health and safety procedures and requirements specified by the Occupational Safety and Health Administration (OSHA), Title 29, Code of Federal Regulations (CFR). Hazardous materials and waste handling, storage, transporting, and disposal will be performed in accordance with Chapter 62-730, FAC. Warning signs in accordance with 62-730, FAC will be placed on the system trailer.

Following approval of this RAP, AMEC will solicit bids from qualified contractors for well installation, remedial system construction, and system installation per the technical specifications and drawings provided in Appendix C and D.

All onsite personnel will be briefed on the site-specific Health and Safety plan and will comply with applicable procedures. During construction activities, all personnel will utilize appropriate personal protective equipment (PPE); Level D will be required. Site property owners will be notified of remedial activities prior to implementation.

A site-specific Health and Safety Plan will be prepared to address issues regarding the health and safety of workers in the excavation, including confined space entry, air monitoring to determine the level of respiratory protection, explosive vapors, and work related to the use of heavy equipment during construction activities.

## **8.0 OPERATIONAL DETAILS**

### **8.1 System Operation**

The SVE and HBS systems will operate 24 hours a day, 7 days a week, until sampling results indicate that the SCTLs and reduction in baseline groundwater concentrations to 90% of the GCTLs have been met, as defined in Chapter 62-770, FAC. The remedial system will operate for a minimum of 80 percent of the runtime as per FDEP guidelines. The GAC treatment will remain online with the SVE system as long as emissions are calculated to be greater than the regulatory limit of 13.7 pounds per day. The air sparge system will operate 24 hours a day; 7 days a week, until sampling results indicate that an alternating option would be a more effective means of remediation, such as natural attenuation. The air sparge system will only be able to operate if the SVE system is operational. After the 90% reduction goal has been met AMEC will meet with FDEP to determine whether or not the system will continue to operate to achieve GCTLs or begin a monitoring only plan.

### **8.2 Operations and Maintenance**

#### **8.2.1 Repair and Response Plan**

The system will be monitored with the telemetry system for continuous in-office monitoring and data logging of the SVE and biosparge system operation. This telemetry system has autodialing capability to send voice, fax, or e-mail alarms. Repairs and necessary adjustments to the system will be made as and when necessary. AMEC shall respond to system shutdowns or malfunctions within 3 business days of discovery or notification by the FDEP, including evaluation of the problem, minor repairs and will re-start if possible. Spare parts will be kept on hand or arrangements will be made for "just in time" delivery. Major repairs or system component replacement will be completed within one week of the close of the 3<sup>rd</sup> business day response period provided replacement equipment is available. If the equipment is not readily available or decisions regarding warranty coverage cannot be resolved, AMEC will provide the FDEP Site Manager with an acceptable replacement schedule within this timeframe, including copies of all correspondence with the equipment manufacturer or vendor. Extensions of these timeframes may be granted on a case-by-case basis, if justified, due to extenuating circumstances and approval by FDEP.

#### **8.2.2 Preventative and Routine Maintenance Plan**

All system components will be installed and protected in an enclosed trailer/building to meet the requirements of the manufacturer's warranty. A copy of the System Specifications and Operations Manual will be provided with the RA Startup Report that includes a summary of all equipment

components and specifications, a copy of all equipment warranties, a copy of all equipment manufacturers' recommended maintenance requirements, and a comprehensive Preventative Maintenance Checklist covering all system components. A separate copy of this manual shall be kept onsite for reference by the Contractor and FDEP staff. All preventative maintenance activities will be documented each month with dates performed on a copy of the Preventative Maintenance Checklist.

AMEC will perform O&M at the site on a monthly basis at a minimum. O&M will include maintenance of the equipment as recommended by the equipment manufacturer(s), and inspection and/or testing of system flow meters, sensors, and other metering or regulating equipment. During each O&M event, system oil, oil filter, air filter, engine belts, etc. will be checked and replaced if required for warranty compliance. Maintenance will be performed on warranted system components per manufacturer(s) recommendations to maintain the warranty. Monthly O&M visits will also include inspection, testing and repaired (if required) of minor components such as totalizing flow meters, sensors, and level switches.

### **8.3 Construction and Startup Plan**

Site construction activities include installation of the HBS wells and HBS system. Additionally, the remains of the existing decommissioned pump & treat system will be removed and the existing SVE system will be relocated inside the old P&T compound to be collocated with the new HBS system. Construction activities will commence upon approval of the remedial action implementation cost proposal by FDEP. All SVE and HBS wells will be installed as discussed in the previous sections.

Upon completion of the well installation activities system process piping will be installed in below ground trenches as previously discussed. Each well will have a dedicated process line from the system manifolds. The process pipes will be laid at the bottom of the trench. After installation and testing, the trenches will be backfilled per Section 8.2. The system will be delivered to the site upon completion of the trenching activities. All permits required for construction activities will be obtained before construction activities. Power surge protection and lightning protection will be provided as required based on the equipment installed.

System startup and testing will be conducted daily for the first three days and at the end of the first week as per FDEP guidelines.

As part of the system startup, troubleshooting and adjustments will be made during the testing period. All vacuum/pressure gauges, meters, and alarms will be checked. Sufficient time will be allowed for the system to achieve equilibrium before collecting the system air samples. Vacuum levels will be measured in all wells and system airflow rate readings will be obtained from the influent and effluent ports. Also, concentrations of recovered vapors from the vacuum extraction system and post air treatment will be measured using a flame ionization detector weekly for the first month, monthly for the next two months and quarterly thereafter. Airflow through the air wells will be maintained per design specifications. Pressure levels and flow in each sparge well will be monitored during system startup. During system operation, all gauges, and meters will be checked frequently. Air and groundwater samples (if necessary) will be collected daily for the first three days (24-hour turn around) and at the end of the week (24-hour turn around) and analyzed using USEPA Methods 18, 8260, 8270, and TRPH using the FL-PRO method.

## **9.0 MONITORING PROGRAM**

### **9.1 System Monitoring**

The monitoring program is designed to evaluate the performance, progress, and effectiveness of the system installed, and to identify possible methods of improving system performance. Also, regular O&M

will be performed to maintain product warranties. Monitoring will also be conducted to insure effluent standards are met. The monitoring program will be in accordance with the procedures set forth in Chapter 62-770, FAC, for monitoring remedial action systems.

As required by Chapter 62-770, FAC, the system air influent and the system air effluent will be sampled daily during the first three days and on day five of the system startup and monthly until treatment is no longer required at which point quarterly sampling will be conducted to ensure regulatory compliance. The influent and effluent vapors will be field monitored with an OVA/FID until cleanup goals (SCTLs and 90 percent GCTLs) are achieved (approximately 5 years). The system groundwater influent and effluent will be sampled daily during the first three days and on day five of the system startup and monthly until treatment is no longer required at which point quarterly sampling will be conducted to ensure regulatory compliance.

Monitoring wells listed in Section 10.2 will be sampled quarterly to provide data for tracking the progress of the remedial program. The samples will be analyzed for VOCs and PAHs using USEPA Methods 8260 and 8270, and TRPH using the FL-PRO method. The field parameters (depth-to-water, pressure/vacuum, dissolved oxygen, and OVA readings) will be collected from site monitoring wells weekly for the first month, monthly for the next two months, and quarterly thereafter. If operational parameters remain unchanged, the monitoring may be modified or discontinued upon FDEP approval.

Quarterly reports with water table contours, and extent of groundwater contamination figures will be submitted. Quarterly reports will also include evaluation of contamination reduction and milestone progress, system performance, summary of maintenance performed and repairs made, manufacturer's response time, and manufacturer warranty performance. Also, as part of the monthly and quarterly monitoring readings, from hour meters, flow meters, pressure gauges, and vacuum gauges will be recorded.

## 9.2 Groundwater Monitoring

Initially, a full round of groundwater samples (Monitoring wells MW-2S, MW-3SR, MW-3IR, MW-4SR, MW-4IR, MW-4DR, MW-5SR, MW-6R2, MW-8R2, MW-13S, MW-22IR, MW-23SR, MW-26CR, MW-27CR, MW-30C, MW-31C, MW-38SR, MW-40IR, MW-55I, MW60S, MW-61SR, MW-62SR, MW-63SR, MW67S, MW-69S, and MW-70S) is planned to establish baseline conditions. Following system startup, routine groundwater sampling of selected monitoring wells is required to document site cleanup progress and monitor contaminant migration. Monitoring wells MW-3SR, MW-4IR, MW-4DR, MW-6R2, MW-8R2, MW-13S, MW-22IR, MW-23SR, MW-30C, MW-38SR, MW-40IR, MW-55I, MW-63S, MW67S, MW-69S, and MW-70S, will be sampled on a quarterly basis following system startup. Samples collected will be analyzed for BTEX+MTBE and PAHs using USEPA Methods 8260 and 8270, EDB using USEPA Method 8011, Lead using USEPA Method 6010, and TRPH using FL-PRO method respectively. Groundwater field parameters, pH, temperature, conductivity, turbidity, reduction/oxidation potential, and dissolved oxygen will also be measured during every quarterly sampling event.

Groundwater and Air Sampling Frequencies and Analytical Methods		
Monitoring Frequency	Sample Location	USEPA Method
System Startup (daily for the first three days and last day of 1 <sup>st</sup> week of startup)	System** (influent/effluent)	EPA18, OVA, vacuum, flow rate
	Phase Separator, liquid carbon (effluent)	8011, 8260, 8270, and FL-PRO, lead*
	Biosparge System	DTW, DO, and pressure

Groundwater and Air Sampling Frequencies and Analytical Methods		
Monitoring Frequency	Sample Location	USEPA Method
System Weekly (first month)	System** (influent/effluent)	EPA18, OVA, vacuum, flow rate
	Phase Separator, liquid carbon (effluent)	8011, 8260, 8270, and FL-PRO, lead*
	Biosparge System	DTW, DO, and pressure
Monthly	System** (influent/effluent)	EPA18, OVA, vacuum, flow rate
	Phase Separator, liquid carbon (effluent)	8011, 8260, 8270, and FL-PRO, lead*
Quarterly	Systems** (influent/effluent)	EPA18 and OVA
	Phase Separator, liquid carbon (effluent)	8011, 8260, 8270, and FL-PRO, lead*
	Source – MW-8R2, MW-6R2, MW-23SR, MW-30C, MW-67S, MW-4IR, MW-4DR, MW-22IR	8260, 8270, and FL-PRO
	Cross gradient – MW-63S, MW-70S	8260, 8270, and FL-PRO
	Down gradient – MW-3SR, MW-38SR, MW-69S, MW-40IR, MW-55I	8260, 8270, and FL-PRO*
	Upgradient – MW-13S	8260, 8270, and FL-PRO
	Biosparge System	DTW, DO, and pressure

\* May vary based on local requirements.

\*\*All system equipment readings will be read and optimized.

### 9.3 Reporting

A remedial action construction and startup report will be submitted to the FDEP following startup of the remedial systems. The report will document the baseline sampling and all remedial activities as outlined in the RAP. The startup report will include as-built drawings signed and sealed by a Professional Engineer registered in the State of Florida.

During active remediation, AMEC will submit quarterly and annual reports to the FDEP. These reports will summarize the system data and the quarterly groundwater sampling results and will include water table elevation contour maps and a discussion of the remedial milestone progress per FDEP guidelines.

### 10.0 SCHEDULE

Within 45 days of receipt of approval of the RAP from FDEP, AMEC will submit a cost proposal for remedial system construction. Onsite construction and remedial system installation and startup are expected to take 25 to 30 days. After construction, signed and sealed as-built drawings will be provided. Based on the extent of contamination at the site and AMEC's experience at similar sites, it is estimated to take approximately 5 years to achieve the soil and groundwater cleanup levels.

**11.0 CLEANUP EVALUATION**

AMEC proposes to cleanup petroleum contaminated soil and groundwater at the Coastal Mart site using a combination of SVE and HBS technology to reduce source area concentrations to below SCTLs and 90% of GCTLs as defined in Chapter 62-770, FAC and FDEP guidelines, respectively. Once the contaminant concentrations at the site are reduced to SCTLs and 90% of GCTLs, as defined in Chapter 62-770, FAC and FDEP guidelines, the active cleanup effort shall be deemed complete. It is expected to take a minimum of 5 years to reach the above mentioned cleanup levels in the source area. If the decision is to continue under active remediation, the FDEP, and AMEC shall establish new milestones for the achievement of GCTLs.

Monitoring wells MW-8R2, MW-23SR, MW-62SR, MW-67S, and MW-69S will be used to establish milestones and evaluate system performance. The BPSS milestone model has been used to generate a linear decay projection to the endpoint concentrations based upon the analytical results from March 2013 of the indicator parameters (VOCs, PAHs, and TRPHs). Quarterly projections of the progress using the BPSS milestone program have been included in Appendix E.

**12.0 ESTIMATED COSTS**

Below is a cost estimate for purchasing remedial equipment and for implementation of the RAP at the Coastal Mart site. The total estimated cost is accurate to within plus or minus 20 percent (+/- 20%). A detailed cost estimate will be provided in the remedial system construction cost proposal to be submitted following the approval of this RAP by FDEP. Implementation of the RAP for the above mentioned option will include the following costs by task:

**Capital Costs**

- Installation of five 3-inch Horizontal BS wells ..... \$475,000
- Purchase of BS system ..... \$ 60,000
- Installation of all trenching, piping, electrical, telemetry, and control systems ..... \$ 65,000
- Carbon Treatment ..... \$ 25,000
- Remedial system construction oversight (30 days) ..... \$ 60,000
- Startup and testing of system (4 days) ..... \$ 10,000
- Permitting ..... \$ 6,000
- Capital Costs Subtotal =** ..... **\$ 701,000**

**Life Cycle Costs**

<u>Year</u>	<u>ABC <sup>1</sup></u>	<u>Ancillary Costs <sup>2</sup></u>	<u>Total</u>
1	\$68,336	\$44,000	\$112,336
2	\$59,981	\$38,000	\$97,981
3	\$59,981	\$38,000	\$97,981
4	\$59,981	\$38,000	\$97,981
5	\$59,981	\$38,000	\$97,981
<b>Total</b>	<b>\$308,260.00</b>	<b>\$196,000.00</b>	<b>\$504,260.00 <sup>3</sup></b>

**Total Estimated Cost = \$1,205,260**

Notes:

- 1 – ABC cost are from sections A, B, and C of the FDEP Preapproval template.
- 2 - Ancillary Costs are estimated per year to perform sampling for parameters on table in Section 10.2.
- 3 - FDEP Electrical costs to run the entire DPE system are estimated at \$20,000 per year and are not included.

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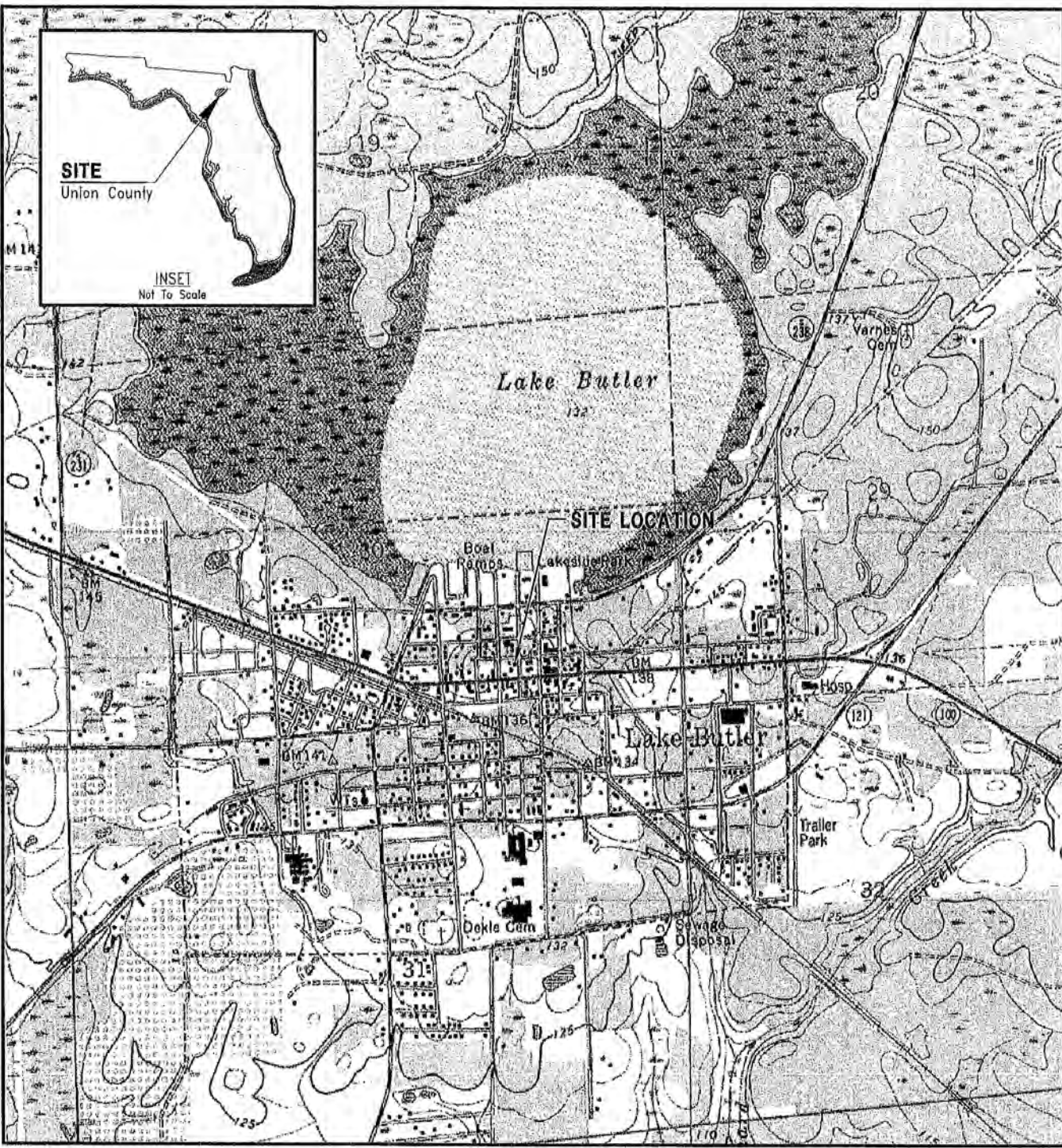
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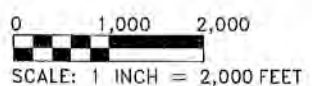
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## FIGURES

- Figure 1: Site Vicinity Map
- Figure 2: Site Plan
- Figure 3: Lithology Cross-Section A-A'
- Figure 4: Lithology Cross-Section B-B'
- Figure 5: Lithology Cross-Section C-C'
- Figure 6: Soil Analytical Data with Maximum OVA extent, 10 to 22 Feet BLS
- Figure 7: SPLP Analytical Results
- Figure 8: Groundwater Elevation with Inferred Flow Direction, March 7, 2011
- Figure 9: Groundwater Analytical Data
- Figure 10: As-Built SVE Well Layout and Estimated Radius of Influence
- Figure 11: Proposed Horizontal Biosparge Well Layout with Estimated Radius of Influence



Approximate site location  
 Section 30, Township 5 South, Range 20 East  
 Latitude: 30° 1' 22.91" North  
 Longitude: 82° 20' 19.35" West



**SOURCE:**  
 USGS Quadrangle - LAKE BUTLER 1993  
 Maps and data Copyright 2003 Maptech

**SITE VICINITY MAP**

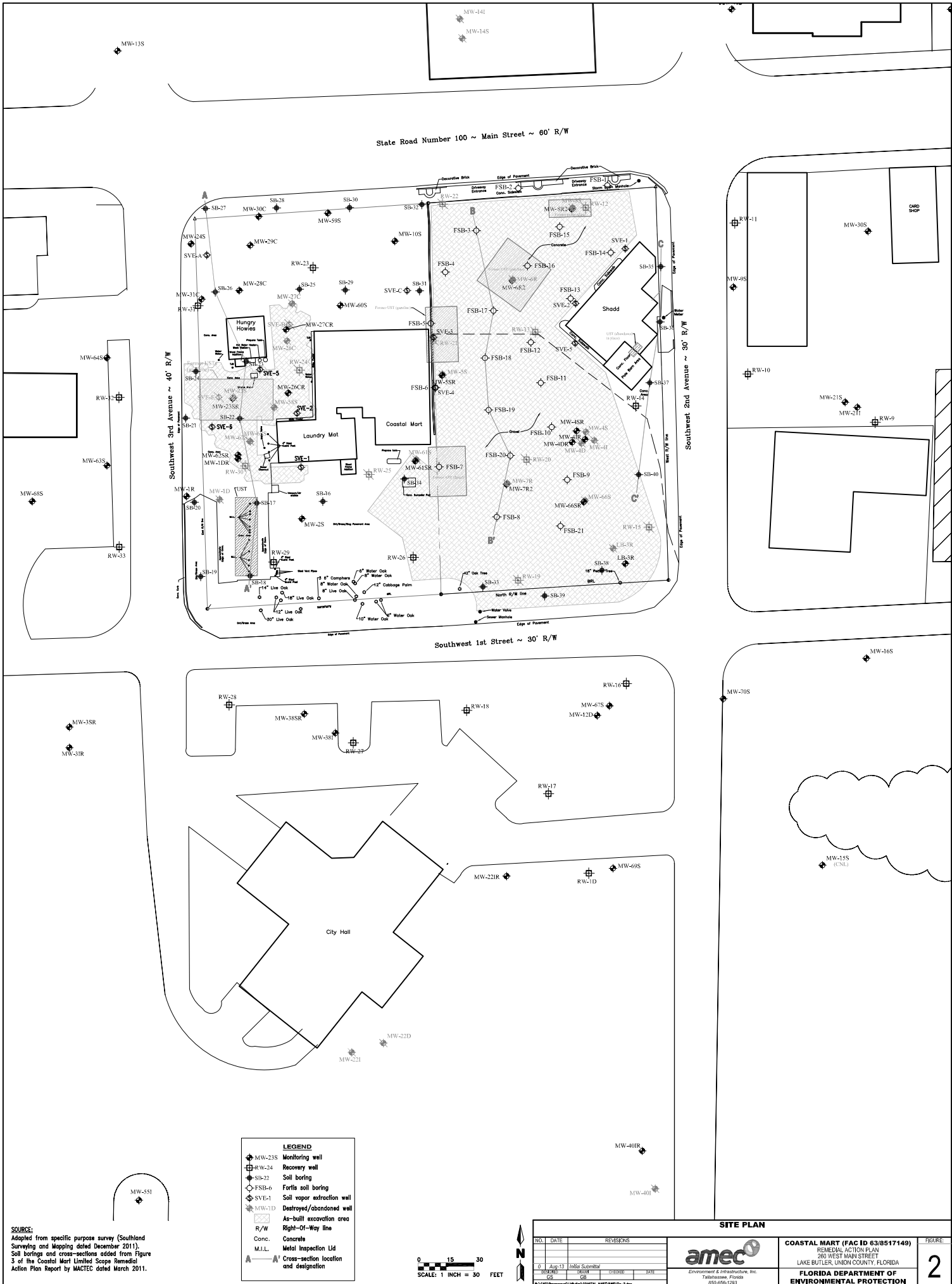
PLOTTED: August 14, 2013 - 10:05 AM, BY: Burton, George A

NO.	DATE	REVISIONS
0	Aug-13	Initial Submittal
	DESIGNED	DRAWN
	CS	GB
	CHECKED	DATE



**COASTAL MART (FAC ID 63/8517149)**  
 REMEDIAL ACTION PLAN  
 260 WEST MAIN STREET  
 LAKE BUTLER, UNION COUNTY, FLORIDA  
**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

FIGURE:  
**1**



State Road Number 100 ~ Main Street ~ 60' R/W

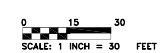
Southwest 3rd Avenue ~ 40' R/W

Southwest 2nd Avenue ~ 30' R/W

Southwest 1st Street ~ 30' R/W

**LEGEND**

- ◆ MW-23S Monitoring well
- ⊕ RW-24 Recovery well
- ⊕ SB-22 Soil boring
- ⊕ FSB-6 Farris soil boring
- ⊕ SVE-1 Soil vapor extraction well
- ⊕ MW-1D Destroyed/abandoned well
- ▨ As-built excavation area
- R/W Right-Of-Way line
- Conc. Concrete
- M.I.L. Metal Inspection Lid
- A Cross-section location and designation



**SOURCE:**  
Adapted from specific purpose survey (Southland Surveying and Mapping dated December 2011).  
Soil borings and cross-sections added from Figure 3 of the Coastal Mart Limited Scope Remedial Action Plan Report by MACTEC dated March 2011.

NO.	DATE	REVISIONS
0	Aug-13	Daily Scumby
1	08/18	SBORING
2	08	DATE

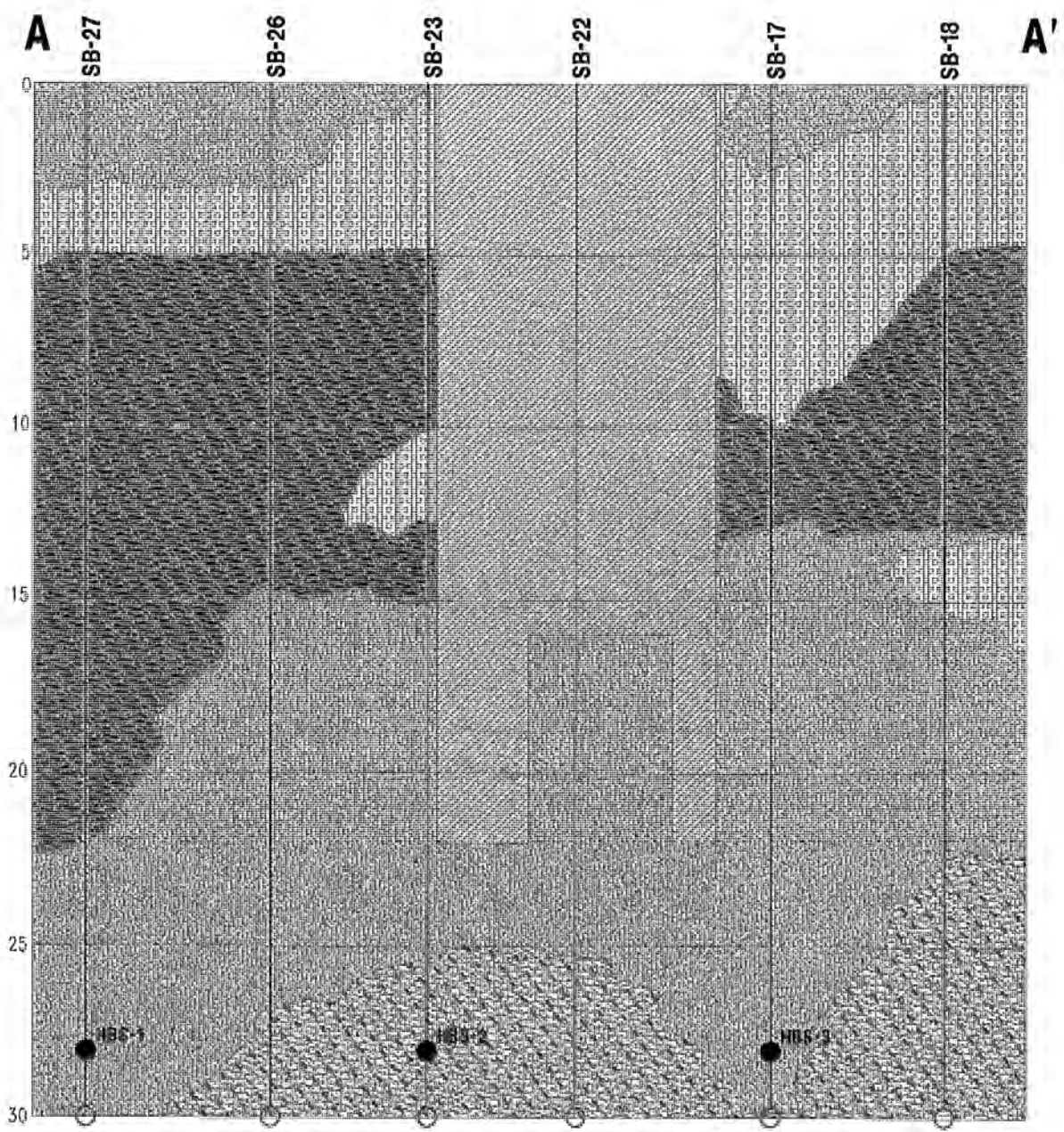
**amec**  
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Tallahassee, Florida  
850-456-1293

**SITE PLAN**






**COASTAL MART (FAC ID 63/8517149)**  
REMEDIAL ACTION PLAN  
260 WEST MAIN STREET  
LAKE BUTLER, UNION COUNTY, FLORIDA

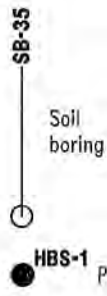
**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

FIGURE: **2**



**LEGEND**

-  Silty sand
-  Clayey sand
-  Interbedded sandy clay/  
clayey sand
-  Clay
-  Excavation area



Vertical scale: 1 Inch = 5 Feet  
Horizontal scale: 1 Inch = 20 Feet

NOTE:  
See Figure 2 for cross-section location.

PLOTTED: August 22, 2013 - 2:24 PM, BY: Cristler, Yonaso V

**LITHOLOGY CROSS SECTION A-A'**

NO.	DATE	REVISIONS
0	Aug-13	Initial Submittal
DESIGNED	DRAWN	CHECKED
GS	GB	



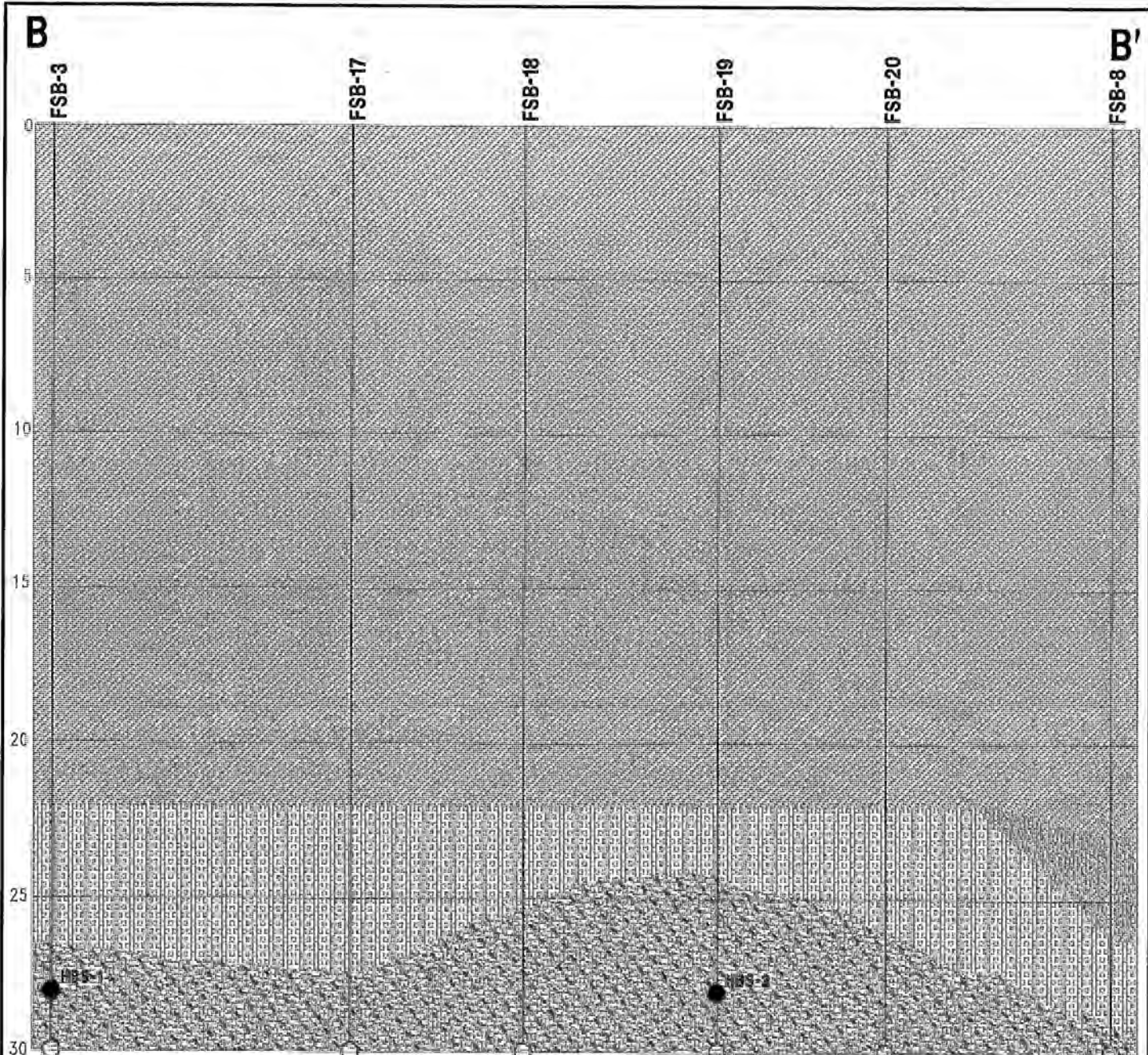
Environment & Infrastructure, Inc.  
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**COASTAL MART (FAC ID 63/8517149)**  
REMEDIAL ACTION PLAN  
260 WEST MAIN STREET  
LAKE BUTLER, UNION COUNTY, FLORIDA







**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

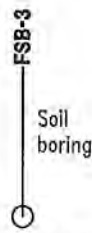
FIGURE:  
**3**

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**LEGEND**

-  Sand
-  Silty sand
-  Clayey sand
-  Interbedded sandy clay/  
clayey sand
-  Clay
-  Excavation area



Vertical scale: 1 Inch = 5 Feet  
 Horizontal scale: 1 Inch = 20 Feet

● HBS-1 Proposed horizontal well

NOTE:  
 See Figure 2 for cross-section location.

PLOTTED: August 22, 2013 - 2:29 PM, BY: Crider, Vanessa V

**LITHOLOGY CROSS-SECTION B-B'**

NO.	DATE	REVISIONS
0	Aug-13	Initial Submittal
DESIGNED:	DRAWN:	CHECKED:
GS	GB	
		DATE

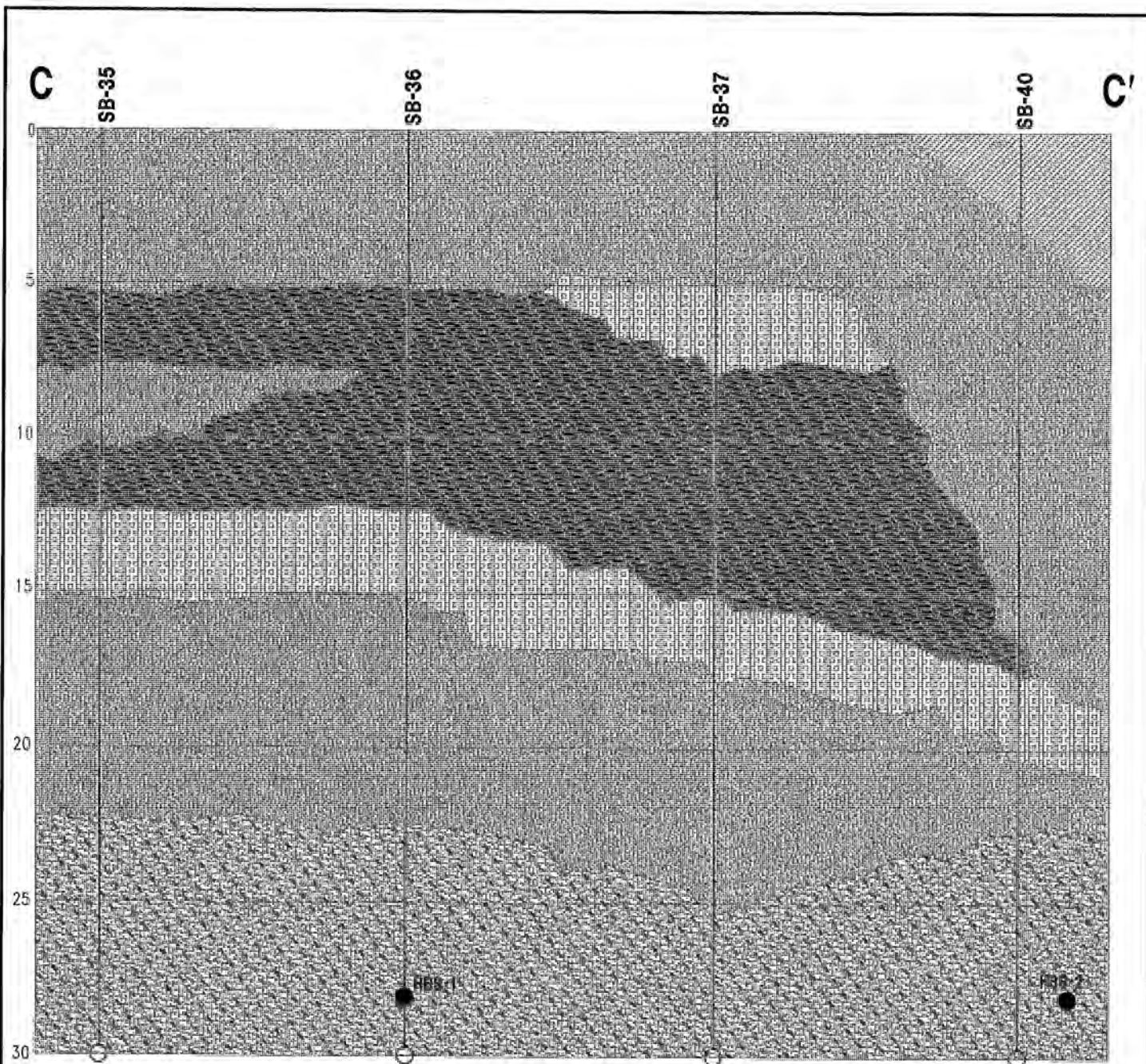
**amec**  
 Environment & Infrastructure, Inc.  
 Tallahassee, Florida  
 850-656-1293

**COASTAL MART (FAC ID 63/8517149)**  
 REMEDIAL ACTION PLAN  
 260 WEST MAIN STREET  
 LAKE BUTLER, UNION COUNTY, FLORIDA






**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

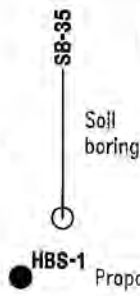
FIGURE:  
**4**

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**LEGEND**

-  Silty sand
-  Clayey sand
-  Interbedded sandy clay/  
clayey sand
-  Clay
-  Excavation area



Vertical scale: 1 Inch = 5 Feet  
 Horizontal scale: 1 Inch = 20 Feet

**NOTE:**  
 See Figure 2 for cross-section location.

PLOTTED: August 22, 2013 - 2:33 PM, BY: Crider, Vanessa V

**LITHOLOGY CROSS-SECTION C-C'**

NO.	DATE	REVISIONS	
0	Aug-13	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
GS	GB		



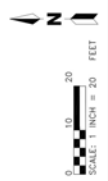
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**COASTAL MART (FAC ID 63/8517149)**  
 REMEDIAL ACTION PLAN  
 220 WEST MAIN STREET  
 LAKE BUTLER, UNION COUNTY, FLORIDA

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

FIGURE:  
**5**

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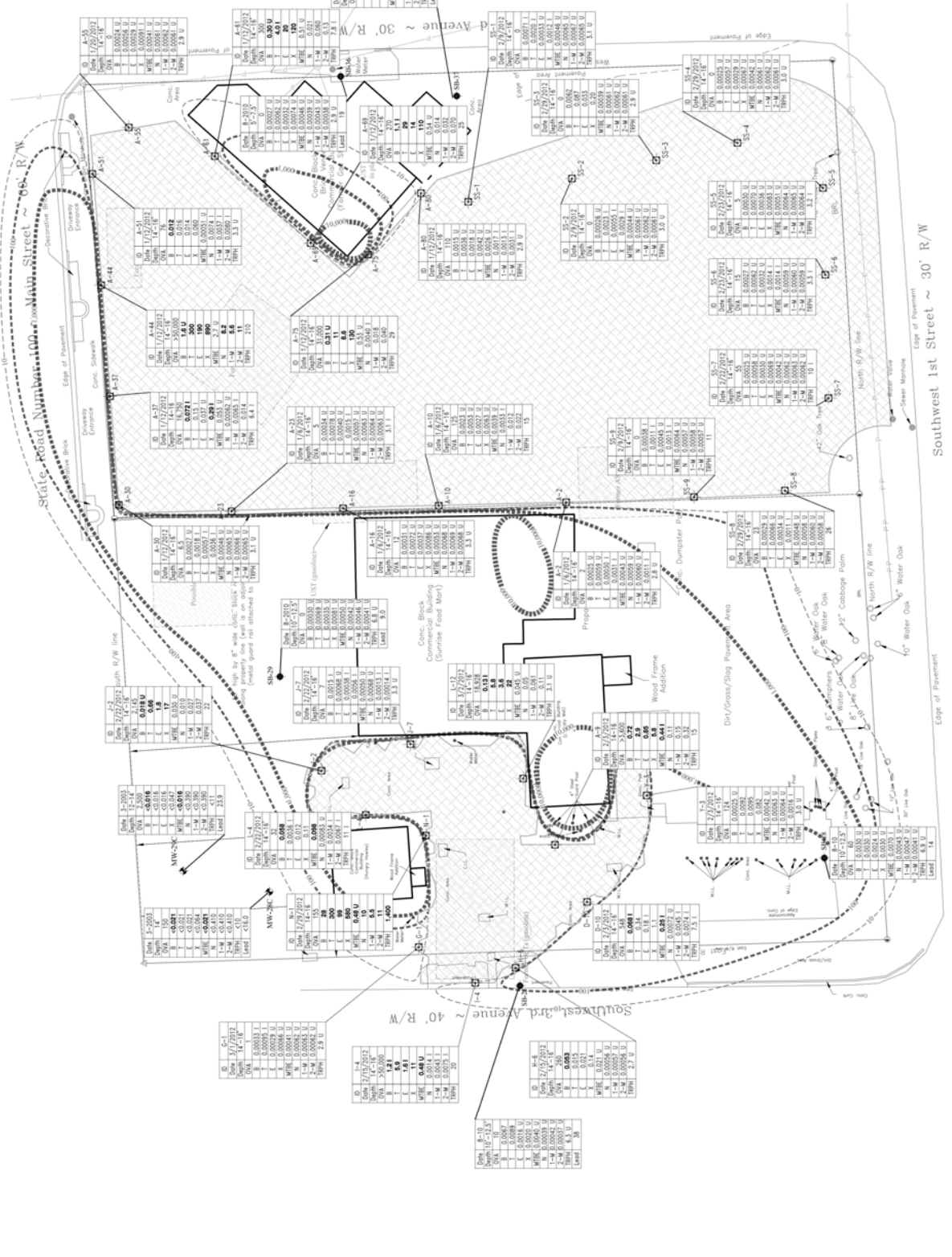


SOURCES:  
 Adapted from specific purpose survey (Southside)  
 Sampling and Mapping dated December 2011.



**SOIL ANALYTICAL RESULTS WITH MAXIMUM OVA EXTENT 10-22 FT BLS**

PROJECT:  
**COASTAL MART (PAC ID 638517149)**  
 REMEDIAL ACTION PLAN  
 LAKE BUTLER, UNION COUNTY, FLORIDA  
**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

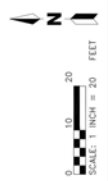


**LEGEND**

- SS-1 Continuity still sample
- MW-CNC Monitoring well
- SB-21 Soil boring
- As-built accretion area
- OVA contour (in ppm)
- 10' BLS Feet below land surface
- Large diameter auger
- OVA Organic vapor analyzer
- Excavation
- Leachate
- E Ethylbenzene
- M Methyl tert-butyl ether
- N Naphthalene
- 2-M 2-Methylnaphthalene
- TRPH Total Recoverable Petroleum Hydrocarbons
- SCIL Soil Cleanup Target Level
- 1 The laboratory method detection limit and the laboratory practical quantitation limit
- U Analyte, if present, was at or below its method detection limit
- R/W Right-of-Way line
- Power pole
- Underground storage tank
- Telephone Junction Box
- Metal Inspection Log

NOTES:  
 All concentrations are in milligrams per kilogram unless otherwise noted.  
 Bold indicates reported concentration exceeded SCILs.

At concentration in milligrams per kilogram unless otherwise noted.  
 Bold indicates reported concentration exceeded SCILs.



SOURCES:  
 Adapted from specific purpose survey (Southfield  
 Surveying and Mapping dated December 2011).



COASTAL MART (PAC ID 638517149)  
 REMEDIAL ACTION PLAN  
 LAKE BUTLER, UNION COUNTY, FLORIDA  
 FLORIDA DEPARTMENT OF  
 ENVIRONMENTAL PROTECTION

NO.	DATE	REVISIONS
1	01/12/12	Initial Release
2	02/03/12	Final Report

Environmental & Infrastructure Inc.  
 17000 N.W. 25th Ave., Suite 200  
 Fort Lauderdale, FL 33309  
 954-566-1225

PROJECT NO. 10-22  
 DRAWING NO. 10-22-01  
 SHEET NO. 7

DATE: 02/03/12  
 SCALE: 1 INCH = 20 FEET

PROJECT: COASTAL MART (PAC ID 638517149)  
 REMEDIAL ACTION PLAN  
 LAKE BUTLER, UNION COUNTY, FLORIDA  
 FLORIDA DEPARTMENT OF  
 ENVIRONMENTAL PROTECTION

PROJECT NO. 10-22  
 DRAWING NO. 10-22-01  
 SHEET NO. 7

DATE: 02/03/12  
 SCALE: 1 INCH = 20 FEET

PROJECT: COASTAL MART (PAC ID 638517149)  
 REMEDIAL ACTION PLAN  
 LAKE BUTLER, UNION COUNTY, FLORIDA  
 FLORIDA DEPARTMENT OF  
 ENVIRONMENTAL PROTECTION

PROJECT NO. 10-22  
 DRAWING NO. 10-22-01  
 SHEET NO. 7

DATE: 02/03/12  
 SCALE: 1 INCH = 20 FEET

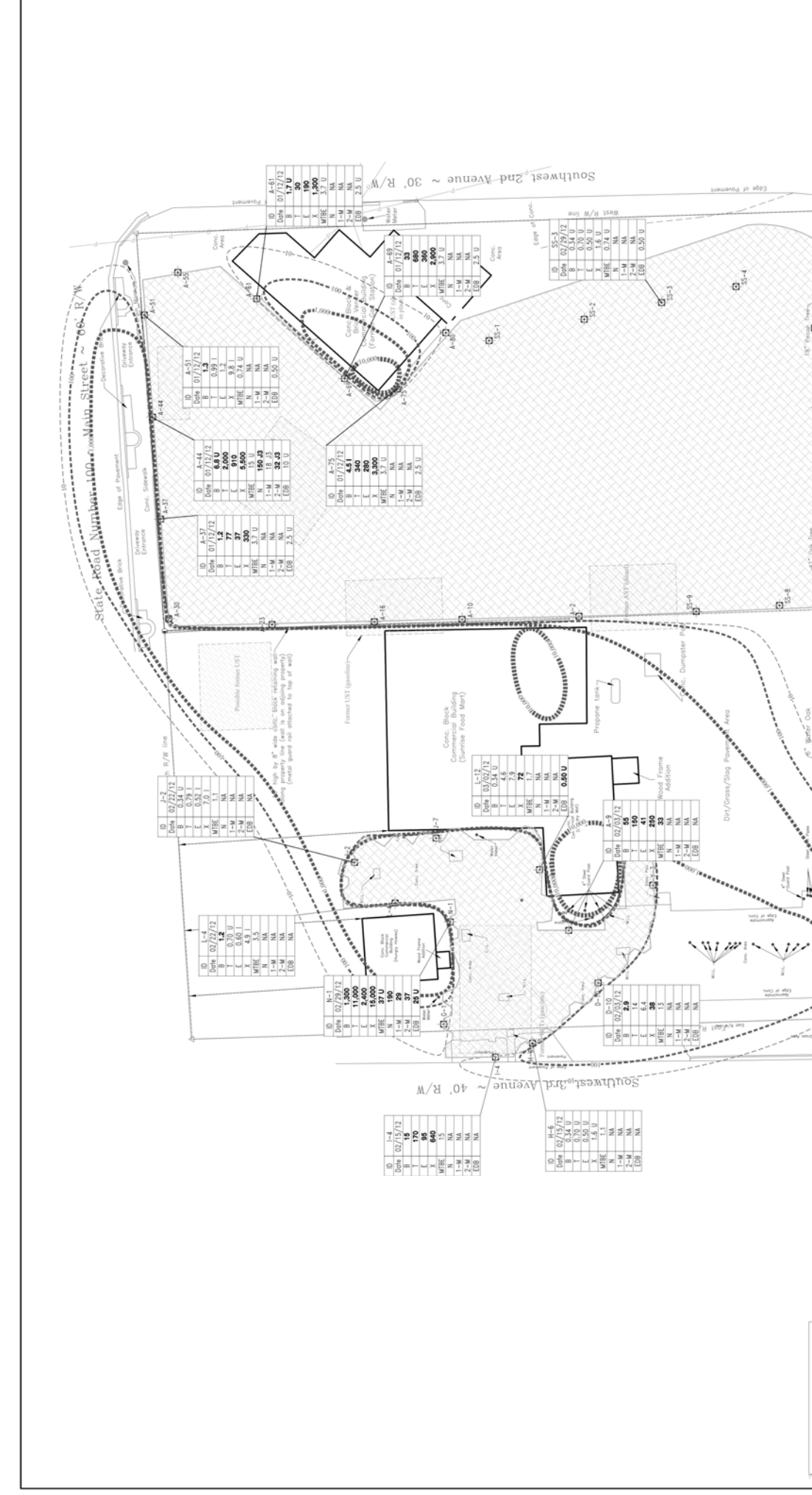
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 REMEDIAL ACTION PLAN  
 LAKE BUTLER, UNION COUNTY, FLORIDA  
 FLORIDA DEPARTMENT OF  
 ENVIRONMENTAL PROTECTION

PROJECT NO. 10-22  
 DRAWING NO. 10-22-01  
 SHEET NO. 7

DATE: 02/03/12  
 SCALE: 1 INCH = 20 FEET

**LEGEND**

- SS-1 Confirmatory soil sample
- 4x4-ft excavation area
- OVA (in ft)
- OVA (in ft)
- Organic vapor analyzer
- Excavation
- Excavation
- Excavation
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- Excavation
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ID	A-4
Date	02/15/12
Depth	0.34 U
MRE	1.1
N	NA
L-M	NA
2-M	NA
EOB	NA

ID	A-51
Date	07/12/12
Depth	0.39 U
MRE	0.74 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	A-44
Date	07/12/12
Depth	1.2
MRE	0.74 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	A-37
Date	07/12/12
Depth	1.2
MRE	0.74 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	A-75
Date	07/12/12
Depth	3.40
MRE	3.00
N	NA
L-M	NA
2-M	NA
EOB	2.3 U

ID	A-61
Date	07/12/12
Depth	3.0
MRE	1.50
N	NA
L-M	NA
2-M	NA
EOB	2.3 U

ID	A-59
Date	07/12/12
Depth	3.0
MRE	1.50
N	NA
L-M	NA
2-M	NA
EOB	2.3 U

ID	SS-3
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-4
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
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EOB	0.50 U

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Date	02/29/12
Depth	0.30 U
MRE	0.50 U
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L-M	NA
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EOB	0.50 U

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EOB	0.50 U

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Depth	0.30 U
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2-M	NA
EOB	0.50 U

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Date	02/29/12
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L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-10
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-11
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
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L-M	NA
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ID	SS-12
Date	02/29/12
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L-M	NA
2-M	NA
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ID	SS-13
Date	02/29/12
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L-M	NA
2-M	NA
EOB	0.50 U

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Date	02/29/12
Depth	0.30 U
MRE	0.50 U
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Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

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Date	02/29/12
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MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

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Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-18
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-19
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
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L-M	NA
2-M	NA
EOB	0.50 U

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L-M	NA
2-M	NA
EOB	0.50 U

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MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

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EOB	0.50 U

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L-M	NA
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2-M	NA
EOB	0.50 U

ID	SS-27
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-28
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-29
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-30
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-31
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-32
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-33
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-34
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-35
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-36
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-37
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-38
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-39
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA
L-M	NA
2-M	NA
EOB	0.50 U

ID	SS-40
Date	02/29/12
Depth	0.30 U
MRE	0.50 U
N	NA





Date	4-12	7-12	11-12	3-13
B	0.86	0.13	0.13	U
T	0.14	0.14	0.14	U
E	0.16	0.26	0.16	U
X	0.44	1.1	0.44	U
MTBE	22	4.0	2.8	U
N	NA	NA	NA	NA
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	13	360	130	210
T	0.24	710	300	180
E	0.25	240	77	110
X	1.5	1,600	850	1,900
MTBE	0.50	4.0	2.6	3.8
N	4.2	NA	NA	NA
1-M	1.3	NA	NA	NA
2-M	1.9	NA	NA	NA
TRPH	380	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	2.91	31	31	20
T	44	300	310	110
E	58	150	150	130
X	580	1,600	1,700	1,200
MTBE	6.4	15	11	13
N	12	NA	NA	NA
1-M	5.6	NA	NA	NA
2-M	9.0	NA	NA	NA
TRPH	2,100	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	1,100	220	84	100
T	18,000	2,300	410	740
E	2,300	260	190	320
X	13,000	1,400	790	2,100
MTBE	42	1.2	1.3	1.3
N	90	42	29	56
1-M	31	3.4	4.7	17
2-M	59	8.2	7.7	33
TRPH	22,000	4,100	1,900	2,700

Date	4-12	7-12	11-12	3-13
B	390	98	400	230
T	1,300	220	1,000	560
E	230	160	280	270
X	1,400	940	1,900	1,200
MTBE	64	190	240	280
N	78	20	110	32
1-M	25	6.5	39	9.4
2-M	48	11	56	16
TRPH	3,800	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	19	42	8.9	17
T	79	240	57	110
E	51	63	29	51
X	450	630	260	600
MTBE	26	20	3.9	3.6
N	30	16	12	14
1-M	12	7.4	5.6	10
2-M	22	13	10	19
TRPH	2,700	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	511	0.13	0.13	5.4
T	1,500	0.39	1.6	29
E	590	1.4	0.16	440
X	6,100	2.3	0.44	920
MTBE	21	0.16	0.13	2.4
N	150	0.31	0.16	68
1-M	21	0.059	0.043	12
2-M	40	0.029	0.10	23
TRPH	NA	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	850	6.7	3.5	2.4
T	3,800	0.58	4.0	0.99
E	1,100	7.4	3.1	2.1
X	7,200	3.7	4.0	1.7
MTBE	23	0.19	0.15	0.19
N	NA	NA	NA	NA
1-M	210	3.1	1.7	3.1
2-M	34	0.76	0.44	0.46
TRPH	NA	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	210	120	110	16
T	2.4	76	22	0.14
E	19	13	5.8	0.16
X	52	100	81	2.2
MTBE	2.8	1	5.2	3.2
N	4.6	NA	NA	NA
1-M	0.4	NA	NA	NA
2-M	0.81	NA	NA	NA
TRPH	200	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	69	68	110	120
T	52	55	62	1.7
E	100	180	100	78
X	850	790	260	23
MTBE	120	81	72	110
N	23	NA	NA	NA
1-M	23	NA	NA	NA
2-M	32	NA	NA	NA
TRPH	7,300	610	4,500	1,000

Date	4-12	7-12	11-12	3-13
B	0.28	U	U	U
T	0.24	U	U	U
E	0.25	U	U	U
X	0.41	U	U	U
MTBE	0.21	U	U	U
N	NA	NA	NA	NA
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	94	U	U	U

Date	4-12	7-12	11-12	3-13
B	6.6	2.8	3.9	0.28
T	1.3	0.25	1.0	0.14
E	1.3	2.5	1.3	0.79
X	2.0	1.1	1.7	0.44
MTBE	2.5	3.1	3.3	3.3
N	NA	NA	NA	NA
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	611	24	18	4.6
T	791	4.9	0.67	0.14
E	340	110	60	15
X	2,000	210	51	3.0
MTBE	120	42	57	15
N	NA	NA	NA	NA
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	71	65	93	19
T	1.0	0.81	8.0	0.91
E	17	25	66	9.0
X	5.1	31	89	3.3
MTBE	16	15	15	9.4
N	NA	NA	NA	NA
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	3,100	38	1,700	600
T	20,000	6.1	3,900	740
E	1,800	7.3	900	320
X	8,500	26	4,200	820
MTBE	94	7.1	110	36
N	NA	NA	NA	NA
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	1.9	0.13	0.13	91
T	0.24	0.14	0.14	0.43
E	0.25	0.16	0.16	0.20
X	0.68	0.44	0.44	0.52
MTBE	5.0	2.6	2.3	4.9
N	NA	NA	NA	NA
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

Date	7-12	11-12	3-13
B	0.77	0.65	0.13
T	0.15	0.14	0.14
E	0.24	0.16	0.16
X	0.93	0.44	0.44
MTBE	28	21	23
N	NA	NA	NA
1-M	NA	NA	NA
2-M	NA	NA	NA
TRPH	NA	NA	NA

Date	4-12	7-12	11-12	3-13
B	30	20	16	16
T	0.24	0.14	0.14	0.14
E	0.25	0.16	0.16	0.20
X	0.68	0.44	0.44	0.52
MTBE	24	22	22	15
N	NA	NA	NA	NA
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

**NOTES:**  
 All concentrations are in micrograms per liter.  
 Concentrations in bold exceed CCTL.  
 Most recent on-site data shown in shaded boxes.

**LEGEND**  
 MW-23S Monitoring well  
 Benzene concentration contour above CCTL  
 MTBE concentration contour above CCTL

CCTL Groundwater Cleanup Target Level  
 B Benzene  
 T Toluene  
 E Ethylbenzene  
 X Xylenes (total)  
 MTBE Methyl tert-butyl ether  
 1-M 1-Methylnaphthalene  
 2-M 2-Methylnaphthalene  
 TRPH Total Recoverable Petroleum Hydrocarbons  
 EDB Ethylene dibromide  
 NA Not analyzed  
 I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit  
 U Analyte, if present, was at a concentration below its method detection limit

SCALE: 1 INCH = 30 FEET

SOURCE:  
 Adapted from specific purpose survey (Southland Surveying and Mapping dated December 2011).





SOURCE:  
 Adopted from specific purpose survey (Southland  
 Surveying and Mapping dated December 2011).  
 Soil borings and cross-sections added from Figure  
 3 of the Coastal Mart Limited Scope Remedial  
 Action Plan Report by MACTEC dated March 2011.

PLT/ED: August 11, 2013 - 2:20 PM, BY: Chae, Vanessa V

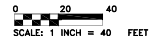
**PROPOSED HORIZONTAL BIOSPARGE WELL LAYOUT AND  
 ESTIMATED RADIUS OF INFLUENCE**

NO.	DATE	REVISIONS
0	Aug-13	Initial Survey
1	Aug-13	REVISED
2	Aug-13	REVISED



**COASTAL MART (FAC ID 63/8517149)**  
 REMEDIAL ACTION PLAN  
 260 WEST MAIN STREET  
 LAKE BUTLER, UNION COUNTY, FLORIDA  
**FLORIDA DEPARTMENT OF  
 ENVIRONMENTAL PROTECTION**

FIGURE  
**11**



**LEGEND**

- MW-325 Monitoring well
- SB-2 Soil boring
- FSB-6 Furrow soil boring
- Benzene concentration contour above GCTL
- MTBE concentration contour above GCTL
- Groundwater Cleanup Target Level
- Proposed horizontal well HDPE well screen (3")
- Proposed horizontal well HDPE riser (3")
- Proposed horizontal well entry location
- Proposed horizontal well exit location
- Proposed minimum area of influence
- Cross-section location and designation (see Figures 2, 3, and 4)



## REMEDIAL ACTION PLAN MODIFICATION

**UNION COUNTY PROPERTY**  
115 WEST MAIN STREET, LAKE BUTLER,  
UNION COUNTY, FLORIDA

FDEP FAC ID Number: 63/8517147

Contract Number: GC-788

Purchase Order Number: C0EC32

**January 17, 2023**

Prepared for:  
**Florida Department of Environmental Protection**  
**Petroleum Restoration Program**  
2600 Blair Stone Road  
Tallahassee, Florida 32301

Prepared by:  
**WSP USA Environment & Infrastructure, Inc.**  
325 John Knox Road, Suite 140  
Tallahassee, Florida 32303

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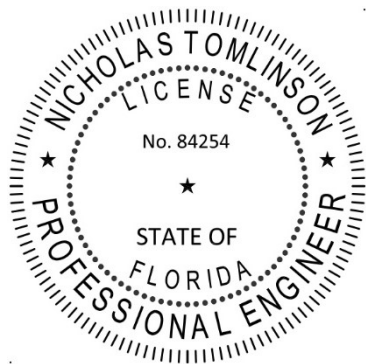
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## PROFESSIONAL REVIEW CERTIFICATION

The work described in this Remedial Action Plan Modification for the Union County Property site located in Lake Butler, Union County, Florida, was prepared in accordance with commonly accepted procedures consistent with the applied standards of practice under the direction of the undersigned professional engineer. The professional opinions rendered are based on the investigation and associated information detailed in the text and appended to this report or referenced in public literature. If conditions are determined to exist that differ from those described, the undersigned should be notified to evaluate the effects, if any, of additional information on the report findings. This document was prepared based on the results of previous soil and groundwater sampling activities and remedial design conducted to address soil and dissolved phase groundwater contamination at the Union County Property site (Facility Identification Number: 63/8517147) in Lake Butler, Union County, Florida. This document was prepared in accordance with FDEP directives and protocol and should not be construed to apply to any other site.

WSP USA Environment & Infrastructure, Inc., (**Certificate of Authorization Number: 5392**) is authorized under the provisions of Section 471.023 Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.



This document has been electronically signed and sealed by Nicholas Tomlinson, P.E., on **January 17, 2022** using a SHA-1 authentication code. Printed copies of this document are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies.

## **1.0 INTRODUCTION**

### **1.1 Purpose**

This Remedial Action Plan Modification (RAP Mod) was prepared by WSP USA Environment & Infrastructure, Inc., (WSP) formerly known as Wood Environment & Infrastructure Solutions, Inc., (Wood) for the Union County Property site located at 115 West Main Street in Lake Butler, Union County, Florida for the Florida Department of Environmental Protection (FDEP) Facility Identification Number: 63/8517147. This RAP Mod was tasked by the Petroleum Restoration Program on November 30, 2022 (Purchase Order #C0EC32), under contract GC788, based upon the recommendations in the Annual Post Active Remediation Monitoring (PARM) Report that was submitted on June, 3 2022 and the pre-RAP teleconference with FDEP held on November 8, 2022 with attendees from FDEP, including John Cullinan and Prasad Kuchibhotla and WSP including Alexandra Horne and Nic Tomlinson. The property owner was not present on the pre-RAP teleconference, but WSP has reached out via email and informed the property owner that the RAP Mod was being submitted to operate a remediation system at the site. The site location is shown on Figures 1 and 2.

The purpose of this RAP Mod is to outline a plan to treat the petroleum contaminated soils in the vadose and smear zones that were identified during the investigation phase of the site assessment activities. The objective of this RAP Mod is to reduce site soil contaminant concentrations to below the soil cleanup target levels (SCTLs) and site baseline groundwater contaminant concentrations to groundwater cleanup target levels (GCTLs), as defined in Chapter 62-777, Florida Administrative Code (FAC). Once the contaminant concentrations at the site are reduced to below GCTL concentrations, the active cleanup effort shall be deemed complete. It is estimated that it would take 3 years to reach the above-mentioned cleanup levels (SCTLs and GCTLs of the baseline concentrations). If groundwater contamination is still present after three years and the decision is to continue under active remediation, FDEP and WSP shall establish new milestones for the achievement of GCTLs if needed. The SCTLs and GCTLs are provided in Tables 1 and 2, respectively.

### **1.2 Scope**

This RAP Mod presents the rationale for the remediation strategies to be implemented at the Union County Property site. Implementation of this RAP Mod will include the following tasks:

- Trenching and plumbing of the effluent discharge water line to existing onsite remediation wells for injection of treated recovered groundwater.
- Construction of a system compound.
- Installation of a rental remediation system.
- Connect to the existing stub-up piping.
- Perform system startup.
- Perform 1 year of system Operation and Maintenance (O&M).

## **2.0 SITE BACKGROUND**

### **2.1 Site Description**

The Union County Property site is located on the north side of US Highway 100 between NW 1<sup>st</sup> Avenue and NW 2<sup>nd</sup> Avenue in Lake Butler, Union County, Florida. The site is an active substation for the Union County Sheriff's Office and formerly operated as Biellings Tire.

### **2.2 Previous Investigations and Remediation**

Sources of a documented petroleum contamination problem have been known to exist in the "downtown" Lake Butler area since late 1983 (Figure 1). After notification of petroleum fumes emanating from the city sanitary sewer system, the Union County Fire Marshall identified a combustion hazard at the Lake Butler Elementary School. A source of significant petroleum contamination was identified at an abandoned Shell Oil Company service station site on a property owned by Mr. Shadd. Free-phase petroleum product was discovered on site.

Another alleged source of petroleum contamination existed on the adjacent property (the former Cargo convenience store (Coastal). An assessment concluded in 1985 that both sites contained sources of petroleum contamination. Several years later another source of contamination was identified at the Johns' Union 76 property, including free-phase product. E.C. Jordan Company was tasked by the FDEP Petroleum Cleanup Section to conduct assessment activities in this area in 1990. As work transpired in the assessment, the contaminated areas were found to be larger and to be impacted by additional sources.

Welch's and Union County Property (former Biellings Tire) were found to be contributing sources and a former underground storage tank (UST) on the A&M Beverage Store site was also suspected as a source.

ABB Environmental Services, Inc., (ABB) completed a Remedial Action Plan (RAP) for the sites referred to as the "Lake Butler Cluster sites" in 1993. A pump-and-treat system combined with vapor extraction was recommended. This system was installed and started up in January 1995. ABB operated the remediation system until 2005, at which time Fortis Environmental took charge of the operation and maintenance of the system through to 2010.

Previous site assessment activities conducted at the Union County Property reported the presence of petroleum related contaminants in soil and groundwater above cleanup target levels. Based on the 42<sup>nd</sup> Quarterly Report dated February 2010, groundwater contaminant concentrations as measured from multiple monitoring wells located on the Union County Property, remained above groundwater cleanup target levels (GCTLs). In 2010, MACTEC collected soil and groundwater samples from existing groundwater monitoring wells to establish a benchmark of current groundwater and soil conditions at the project site. Results of this sampling event demonstrated that vadose zone and smear zone soil contamination, as well as groundwater contamination in the shallow zone remains above cleanup target levels at the Union County Property located in Lake Butler, Florida. The contamination appears to be localized to the southern portion of the subject property. Subsequently, MACTEC was tasked to conduct a pilot test for site remediation utilizing in-situ chemical oxidation (ISCO) technologies.

The ISCO pilot test began on September 19<sup>th</sup> and continued through Friday, September 23<sup>rd</sup>, 2011, with a total of four days of active injection. Temporary injection points were advanced via direct push technology (DPT) to a total depth of 15 feet below land surface (bls). The injections were performed at 2-foot intervals, starting from the bottom first from 13 to 15 feet bls followed by higher intervals (11 to 13 feet bls, 9 to 11 feet bls and 7 to 9 feet bls) for a total treatment interval from 7 feet to 15 feet bls. The entire area received a total of 1,560 gallons of sodium hydroxide and 1,385 gallons of sodium persulfate.

To monitor the groundwater quality conditions after the ISCO event at the Union County Property, five monitoring wells (MW-33S, MW-33I, MW-35S, MW-44S and MW-47S) were sampled on October 21, 2011 and analyzed for the same constituents as in the pre-pilot test sampling event. Groundwater chemistry data was collected from each of the monitoring wells sampled during this field event. Iron, manganese and sulfate showed reductions in concentrations from pre-injection baseline levels in the sample collected from MW-33S, located within the injection zone. Sodium however, increased from 15,000 micrograms per liter ( $\mu\text{g/l}$ ) before the injection event to 4,300,000  $\mu\text{g/l}$  after the injection event. However, this increase was not unexpected due the elevated levels of sodium in both the pre-treatment sodium hydroxide solution as well as the sodium persulfate treatment solution. Except for significant reductions of total dissolved solids (TDS), minor change was observed in groundwater chemistry concentrations in samples collected from the other four monitoring wells.

Laboratory analysis conducted on groundwater samples collected from MW-33S, both before and after the ISCO injection pilot test, showed overall increases in contaminant concentrations. Total benzene, toluene, ethylbenzene and total xylenes (BTEX) concentrations increased approximately 75% from 100.72  $\mu\text{g/l}$ , one month before the injection event, to 174.6  $\mu\text{g/l}$ , one month after the injection event. Similarly, naphthalene increased approximately 58% from 450  $\mu\text{g/l}$  before the event to 650  $\mu\text{g/l}$  after the event. Additionally, 1-methylnaphthalene and 2-methylnaphthalene showed increases of approximately 71% and 290%, respectively.

Laboratory analysis conducted on samples collected from MW-44S, which is located approximately 40 feet from the treatment area, indicated moderate decreases in contaminant concentrations after the injection event, with total BTEX decreasing approximately 63% from 203.6  $\mu\text{g/l}$  to 128  $\mu\text{g/l}$ . There was minor change in naphthalene concentrations.

Samples collected from monitoring wells MW-33I, MW-35S and MW-47S reported little to no contaminant concentrations either before or after the injection event.

The increase in concentrations in samples collected from monitoring well MW-33S was thought to be most likely the result of the physical disturbance of the subsurface and possibly a "washing" effect of contaminants from the vadose into the saturated zone. Additionally, pH values observed in MW-33S remained quite high (12.17) during the post event sampling, indicating the persulfate treatment was still active. Amec Foster Wheeler believed the observed increase in contamination was temporary and would decrease in time as the reaction continues. Due to the distance from the treatment area to monitoring well MW-44S (40 feet), as well as lack of evidence of influence, Amec Foster Wheeler did not believe the decrease in contaminant concentrations observed in this

well was a result of the ISCO injections. Subsequently, Amec Foster Wheeler was tasked to install an additional monitoring well (MW-74S) and collect additional samples at the site to evaluate the effectiveness of the pilot test. Subsequent groundwater data collected confirmed that the ISCO pilot test was not an effective remediation technology at this site.

In September 2016, Amec Foster Wheeler presented a Limited Scope Remedial Action Plan (LSRAP) to present a plan for the remediation of petroleum contamination in the saturated and smear zones. This plan details the construction and startup activities for the remediation system.

Amec Foster Wheeler contracted Preferred Drilling Services (PDS) to install five multi-phase extraction (MPE) wells and contracted LMS Inc., to complete the system installation and construction activities under the supervision of Amec Foster Wheeler.

On August 2 to August 3, 2017, Amec Foster Wheeler oversaw PDS install five MPE wells (MPE-1, MPE-2, MPE-3, MPE-4, and MPE-5) to 25 feet bls. Each MPE well was constructed of 4-inch nominal diameter, Schedule 40 polyvinyl chloride (PVC) pipe with a 20-foot, 0.020-inch slotted screen. The locations of the MPE wells are indicated on Figure 2.

On August 21 to August 31, 2017, Amec Foster Wheeler and LMS conducted system trenching and piping activities. LMS used machinery (skid steer loader, mini excavator, work truck and trailer) and hand tools to excavate through the soil to dig a 2-foot-wide trench to approximately 24-inches bls and install PVC piping to each MPE well. Once all PVC piping was connected to the MPE wells and stubbed up near the compound location, native soil was reused to backfill the trenches, then compacted and then concrete was placed in one, 6-inch pour as the surface completion.

Startup, testing, and sampling of the 1<sup>st</sup> weekly MPE event at the Union County Property site were conducted from October 30, 2017, through November 4, 2017, and ran a total of 110 hours. MPE system performance summary has been provided in Tables 3 through 6.

The 2<sup>nd</sup> weekly MPE event was conducted in November 2017 and ran for a total of 108.1 hours and the 3<sup>rd</sup> weekly MPE event was conducted in December 2017 and ran for 127.2 hours.

The 4<sup>th</sup> weekly MPE event was conducted in January 2018 and ran for a total of 120.2 hours. The 5<sup>th</sup> weekly MPE event was conducted in February 2018 and ran for 123.7 hours. The 6<sup>th</sup> weekly MPE event was conducted in March 2018 and ran for a total of 99.5 hours. At the end of the day on March 23, 2018, the system ran for 99.5 hours to reach the goal of 100 hours run time for the week. The system was left on to continue to operate over the weekend and was shut down remotely.

On February 11, 2019, Wood completed seven soil borings to a depth of 12 feet bls. The soil sample collected from SB-18 (4-6 feet bls) indicated an exceedance for ethylbenzene at concentrations exceeding SCTLs for leachability. Additionally, SB-18 (4-6 feet bls) indicated an exceedance of GCTLs for ethylbenzene when analyzed for Synthetic Precipitation Leaching Procedure (SPLP). It was recommended that another 6 months of MPE episodic events utilizing the existing MPE infrastructure should be completed.

The 7<sup>th</sup> weekly MPE event was conducted in November 2019 and ran for a total of 101.6 hours. The 8<sup>th</sup> weekly MPE event was conducted in December 2019 and ran for 99.8 hours. The 9<sup>th</sup> weekly MPE event was conducted in January 2020 and ran for a total of 101.5 hours.

The 10<sup>th</sup> weekly MPE event was conducted in June 2020 and ran for a total of 147.5 hours. The 11<sup>th</sup> weekly MPE event was conducted in July 2020 and ran for 97.5 hours. The 12<sup>th</sup> weekly MPE event was conducted in August 2020 and ran for a total of 155.4 hours.

Four quarters of PARM were conducted in July 2021, October 2021, January 2022 and April 2022. In April 2022, petroleum-related contaminants of concern were reported above their respective GCTLs in the groundwater samples collected from monitoring wells MW-33S and MW-74S. During the Year One Annual PARM report, Wood recommended moving the site to remedial action due to the concentration levels in MW-33S increasing after the episodic events and not indicating natural attenuation during the past year of PARM.

### **2.3 Geology / Lithology**

The lithology at the site consists of fine-grained sandy clay from land surface to 6 feet bls. A clay layer is encountered consistently from 6 to 10 feet bls and transitions to sand and sandy clay to 12 feet bls.

A typical soil column is described below:

- Land surface to 6 feet bls — Sandy Clay (SM), fine grained, brown, tan and grey.
- 6 feet to 10 feet bls — Clay (CL), very fine grained, white, red, tan and grey.
- 10 feet to 12 feet bls — Sand (SW) and Sandy Clay (SM), very fine grained, grey.

The historical lithology at the site generally consists of fine-grained sands and clayey sands that are layered within shallow sandy clay and clayey sand sequences. A layer of clay is typically encountered at depths from 12.5 to 15 feet bls that appears to be continuous across the north area of the site, along Main Street. However, the clay layer does not appear to be continuous moving further south along SW 1st Avenue and under the footprints of the onsite buildings. Soil investigations reported in the Contamination Assessment Report (ABB Environmental Services, January 1993) indicate that the overlying clays provide for a semi-permeable, semi-confining unit. It was determined that this clay layer places hydrostatic pressure on surficial wells that are screened below it. As a result, the depth to water in the surficial wells may be elevated above the static water table. Fine-grained sands, and clayey sands were typically encountered in the saturated zones below the clay layer.

### **2.4 Hydrogeology**

On April 26, 2022, depth-to-water measurements were collected from five monitoring wells including MW-33S, MW-44S, MW-47S, MW-52S and MW-74S. The water table in the shallow monitoring wells was encountered at a depth ranging from 8.73 feet below top of casing (btoc) (MW-33S) to 10.38 feet btoc (MW-47S). The average depth to water was 9.24 feet btoc. Based on the groundwater elevation data, the groundwater flow at the site was generally to the southeast. Figure 5 depicts the water table contour map for April 26, 2022, and the groundwater elevation data are summarized in Table 3.

### **2.5 Extent of Soil Contamination**

An area of soil contamination was identified during initial site assessment activities performed by ABB. The source was subsequently identified to be in the vicinity of the former UST pit and

extending south toward the right of way for State Road 100 and covers approximately 4,825 square feet (ft<sup>2</sup>), however the extent to which the soil contamination extends beneath SR 100 is not known.

In June 2010, Mactec performed site assessment activities at the site. A total of 15 soil borings were advanced to depths that varied from 15 to 25 feet bls to delineate the soil contamination at the Union County Property site. Continuous soil samples were collected from each boring and headspace readings were collected in the field using an OVA. Based on the analytical results of the seven soil samples that were collected from the Union County Property site, several contaminants of concern (benzene, ethylbenzene, and xylenes) were present at concentrations above their respective SCTLs for leachability to groundwater in five of the soil samples.

In February 2019, Wood performed site assessment activities at the site to assess if the presence of soil contamination is present in the vadose and smear zone. A total of seven soil borings were advanced to a depth of 12 feet bls. Continuous soil samples were collected from each boring and headspace readings were collected in the field using an OVA. Five of the soil borings reported OVA readings above 500 parts per million [ppm]. The soil sample collected from SB-18 (4-6 feet bls) indicated an exceedance for ethylbenzene at concentrations exceeding its SCTL for leachability to groundwater. Additionally, SB-18 (4-6 feet bls) was analyzed for the SPLP for BTEX and MTBE using United States Environmental Protections Agency (USEPA) Method 8260B and exceeded the GCTL for ethylbenzene in the soil sample.

For the purpose of this RAP Mod, the vadose zone is defined by the soils from the surface to 7.5 feet bls and the smear/saturated zone is defined by the soils from 7.5 feet bls to 25 feet bls. The vertical extent of contamination is estimated to be approximately 20 feet bls.

During the soil assessment activities performed in June 2010 and February 2019, soil contamination above the SCTLs leachability to groundwater criteria has been documented in laboratory analytical samples collected from both the vadose and smear zones. The extent of soil contamination was based on analytical data and observed OVA data for each soil boring. The OVA data has been divided into the following intervals (0 to 7.5 feet bls [vadose zone], 7.5 to 12 feet bls [smear zone] and 12 to 25 feet bls [saturated]). Figures 3A and 3B present the estimated extent of soil contamination based on soil OVA data above approximately 100 ppm). Soil analytical data is provided on Figures 4A and 4B and in Table 2.

Based on the estimated areas from Figure 3A and 3B, approximately 3.47 pounds of petroleum contaminants are present in 1,297 tons of contaminated soil (vadose and smear zones) at the site. Soil contaminant mass calculations are provided in Appendix A. The calculated values are estimates as it is unknown the amount of soil contamination that extends beneath SR 100.

## **2.6 Extent of Groundwater Contamination**

Wood conducted groundwater sampling activities on April 26, 2022. Groundwater samples were collected from monitoring wells MW-33S and MW-74S using low-flow sampling protocol according to FDEP standard operating procedures (SOPs). The groundwater logs, calibration logs, and laboratory data packages were provided in the Annual PARM Report on June 3, 2022.

Laboratory analytical results from the April 2022 sampling event reported petroleum-related constituents of concern at concentrations above their respective GCTLs as defined in Chapter 62-777, FAC, in the groundwater samples collected from the following monitoring wells:

- MW-33S: benzene (9.9 µg/L), ethylbenzene (260 µg/L), total xylenes (27 µg/L), naphthalene (620 µg/L), 1-methylnaphthalene (82 µg/L) and 2-methylnaphthalene (120 µg/L).
- MW-74S: benzene (2.8 µg/L).

Additionally, MW-33S reported naphthalene above the Natural Attenuation Default Concentration (NADC).

Based on groundwater contaminant concentrations, the estimated mass of petroleum related constituents in the groundwater at the Union County Property site is approximately 0.05 pounds of petroleum constituents. The groundwater analytical data is presented in Table 4 and on Figure 6.

### **3.0 RECOMMENDED REMEDIAL ACTIVITIES**

Per the LSRAP submitted in September 2016, it was agreed upon with FDEP that episodic events with a MPE remediation system was the most effective remedial strategy based on the cost comparison to other remedial strategies, accessibility to the contaminated soil and relatively low groundwater concentrations.

As discussed in Section 2.2 Previous Investigations and Remediation, a LSRAP was completed to install MPE recovery wells to influence the area of known soil and groundwater contamination at the site. Once the construction was complete, 12 episodic events were conducted at the site between October 2017 and August 2020. Based on the field and analytical data collected, the episodic events were successful in influencing the vadose and smear zone. A reduction in contaminant concentrations in MW-33S and MW-74S was observed during quarterly sampling events when the episodic events were being completed compared to the baseline sampling event in September 2017. Once the episodic events were complete, an increase in contaminant concentrations in MW-33S and MW-74S was observed during the quarterly PARM sampling events indicating that the MPE system was successful influencing the trapped soil contamination in the smear zone.

On November 8, 2022, a Pre-RAP teleconference was held with FDEP, and it was agreed upon that the existing MPE wells and piping infrastructure would be utilized to operate a full time, MPE remediation system at the site to target the remaining soil contamination located in the vadose and smear zone.

### **3.1 PRE-CONSTRUCTION ACTIVITIES**

The property owners will be notified of remedial activities prior to implementation. The presence of any existing subsurface utilities and related structures at the site will be identified prior to commencing with remediation activities. Access to the property will be necessary for implementation of the activities proposed in the RAP Mod. Sufficient space is available for

conducting the remediation activities. The necessary permits for implementation of this RAP Mod will be determined before commencing with construction activities.

### **3.1.1 Site Health and Safety Plan**

A site-specific Health and Safety Plan (HASP) will be prepared for this site in accordance with WSP corporate requirements to address issues regarding the health and safety of workers at the site and work related to air monitoring to determine the level of respiratory protection, explosive vapors, and work related to the use of heavy equipment used during the construction activities. This plan presents the health exposure and emergency information that is necessary for all field team members. A copy of the HASP will accompany the field crew to the site.

### **3.1.2 Utility and Permit Clearance**

Prior to beginning compound construction, all utilities that lie within or in close proximity to the areas to be excavated will be delineated using the Florida One Call system and City of Lake Butler Utility personnel. All utilities will be marked with paint and/or survey flags as “no dig” areas or areas to be excavated using hand tools. If any buried utilities or related structures are encountered during excavation, they will be flagged and properly supported, braced, or adjustments to the proposed compound area will be made. The FDEP site manager will be notified of changes from the field.

### **3.1.3 Site Access and Traffic Control**

The Union County Property will be active during the construction and MPE O&M activities. Traffic around the site is heavy at times. WSP will coordinate closely with the Union County Sheriff Department during the construction activities and monthly MPE O&M events. A Maintenance of Traffic (MOT) plan will be developed if required to perform construction activities.

### **3.1.4 Site Security**

The remediation equipment will be enclosed in a locked and gated fenced compound. The rest of the site will then be available for vehicular parking for the Union County Sheriff Department. The remedial equipment compound will be locked and secured when WSP is not onsite.

### **3.1.5 Compliance**

All underground work will comply with rules set forth in Sections 553 and 556, F.S. All construction work will be performed in accordance with health and safety procedures and requirements specified by the OSHA, Title 29, CFR. Hazardous materials and waste handling, storage, transporting, and disposal will be performed in accordance with Chapter 62-730, FAC. Warning signs in accordance with 62-730, FAC will be placed on the system trailer.

All onsite personnel will be briefed on the site-specific HASP and will comply with applicable procedures. During construction activities, all personnel will utilize appropriate personal protective equipment (PPE); level D will be required.

## **3.2 MPE SYSTEM DESIGN**

High vacuum MPE, also known as vacuum-enhanced extraction and dual-phase extraction, is a treatment technology that uses a high vacuum system to simultaneously remove contaminated groundwater and desorbed vapors. Wells used for MPE events are installed such that the screened interval is in the zone of contaminated soil, groundwater, and free product. Each MPE well is equipped with a single drop tube (extraction tube or stinger), which is connected to a standard high-vacuum pump. The pump relies on high-velocity airflow to lift suspended liquid droplets upward by frictional drag to the land surface. Once aboveground, water, product, and vapors are separated and treated.

### **3.2.1 MPE Recovery wells**

WSP proposes to operate the five existing 4-inch diameter MPE wells (MPE-1 through MPE-5) that are installed on the Union County Property near monitoring wells MW-33S and MW-74S. The MPE wells are piped through trenches and stubbed up at the proposed equipment compound location as shown on Figure 9. A design radius of influence of 20 feet with an assumed air flow of 20 standard cubic feet per minute (SCFM) per MPE well (total of 100 SCFM) is anticipated based on the calculations and the results of previous operation at the site. Flow rates could vary based on the water table elevation and amount of exposed screen for each MPE well. The MPE wells with estimated ROIs are shown on Figure 7.

MPE recovery wells design and construction meet the requirements of Chapters 62-531 and 62-532, FAC and meet the Suwannee River Water Management District design and permit requirements. A Florida licensed well drilling contractor installed the MPE wells in accordance with Chapter 62-531, F AC..

The MPE wells are installed to a depth of 25 feet bls. Locations of the MPE wells are shown on Figure 7. The MPE wells are constructed of 4-inch, nominal diameter, Schedule 40 polyvinyl chloride (Sch PVC) pipe with a 20-foot, 0.020-inch slotted screen. A 1-inch, Sch 80 PVC drop tube (extraction tube), 10 feet in length is installed in each well and connected to a 1-inch diameter incompressible flex hose. The 1-inch diameter incompressible tube is 20 feet in length and connects the drop tube to the 2-inch diameter, Sch 40 PVC pipe running to the vacuum pump located in the equipment trailer. An airtight locking cap on the wellhead will allow for adjustment of the drop tube. The MPE wells were installed using hollow stem augers. Figure 8 illustrates, in detail, the installed MPE well construction.

Prior to performing system startup, each MPE well will be inspected to determine the condition of the 1-inch diameter, Sch 80 PVC drop tube, 1-inch incompressible flex hose and the airtight locking cap on the well head. If it is determined that any of the MPE well parts need to be replaced, a field change order will be completed, and the contingent funding will be used to offset the cost of the parts.

### **3.2.2 MPE Treatment System**

The MPE system will be connected to the existing MPE wells to conduct the active remediation. While conducting the remediation, lithology and depth to water will determine the necessary

vacuum to achieve initial vacuum influence and groundwater recovery (anticipated to be 10 to 15 inches of mercury [in-Hg]). This vacuum will be increased to determine the vacuum needed to achieve the maximum radius of influence up to the maximum attainable vacuum with the supplied equipment. An initial vacuum of 10 in-Hg will be applied to the MPE wells and monitored until equilibrium conditions are achieved, the MPE drop tube will be set at the groundwater surface and lowered gradually to create a cone of depression and expose the smear zone to air flow and vacuum influence. The drop tubes will be lowered until the groundwater extraction rate comes into equilibrium with the groundwater recharge rate. Monitoring wells located near the influenced area will be used to collect vacuum and depth-to-water measurements to estimate the radius of influence throughout the system operation. Construction Drawings from the RAP are provided in Appendix A. A conceptual Process and Instrumentation Diagram (P&ID) is shown on Figure 10.

The system will operate 24 hours a day for up to 3 years. Based on the annual groundwater sampling data, WSP will discuss with FDEP if additional O&M is required.

The MPE vacuum equipment shall be able to provide a vacuum of 18 in-Hg, measured at the system rig, at a flow rate of 100 scfm (250 actual cubic feet per minute[acfm]). The system will operate at approximately 25% of the lower explosive level (LEL).

The supplied MPE equipment shall include at a minimum:

- A knockout tank to separate liquids and vapors in the extraction air flow stream.
- A liquid transfer pump with a flow totalizer to transfer captured groundwater from the knockout tank to the bag filters then to the storage tank without shutting down the system.
- A storage tank with a minimum volume of 300 gallons to store extracted groundwater to ensure that the injection wells are not overloaded.
- A liquid transfer pump with a flow totalizer to transfer captured groundwater from the storage tank to the high pressure activated carbon canisters then to the injection wells without shutting down the system.
- A particulate filter, air flow meters (influent, effluent, and dilution air), vacuum gauges, influent air temperature gauge, flow and vacuum control valves.
- Sample ports to collect system influent and effluent air and water samples.
- A method of precisely controlling the flow of air from the test well, or shutting off the airflow entirely, must be provided.
- Hoses to reach from the provided equipment to the 2-inch diameter MPE stub-ups and provide the equipment to attach the vacuum hoses to the test well heads.
- If needed, compression or otherwise sealable well cap fittings equipped with an on/off valve and a gauge to measure vacuum and pressure radius of influence determination.
- Vapor phase carbon treatment.

- A means to measure and sample the total contamination in the influent and effluent air streams will be included.
- All system electrical components will meet the requirements of Series 500 Articles and Class 1, Division 2 Standards of the National Electrical Code.

The supplied groundwater treatment equipment shall include at a minimum:

- Bag filtration.
- A settlement/equalization tank.
- Carbtrol high pressure canister filled with activated carbon to treat the effluent discharge prior to injection into onsite remediation wells (RW-1 through RW-4).

### **3.2.3 Logic Control Panel**

A weather-tight logic control panel is mounted to the trailer to diagnose any conditions that cause the MPE system to shut down. The control logic will initiate shut down of the MPE system in the event of any of the following:

1. Temperatures, pressures, or vacuums exceeding those set by the manufacturer for the blower motor.
2. High-high liquid level in the either of the separator tanks or the storage tank.
3. High alarm for the moisture separator cannot be cleared in 10 minutes.
4. Shut down of the MPE system

The logic control panel will have the ability to restart the system when the aforementioned conditions are rectified, however this capability will only be implemented following the evaluation of water-lock in the drop tubes. The panel will be equipped with run totalizing meters in hours for the transfer and blower motors. The control panel will be equipped with power surge and lightning protection for both the electrical controls and telemetry.

A telemetry system is recommended to allow continuous in-office monitoring and data logging of the systems operation. This system will minimize the down time should the system become inoperative because the system can be monitored from the office, which will allow for quick response times. Should telemetry indicate that the system is not operating effectively, a technician will be sent to the site to verify and/or repair the problem.

### **3.2.4 UL Certification**

- 1) System enclosure and equipment packages are to be from an NRTL certified organization at vendor factory.
- 2) Certification to be to NEC Class I, Div. II standards.
- 3) Subcontractor must provide certification.
- 4) Field certification is NOT acceptable.

### **3.3 CONSTRUCTION DETAILS**

#### **3.3.1 Effluent Discharge Line Connection to Injection Wells**

All MPE wells and one effluent discharge line were piped and installed in trenches in August 2017. The underground piping is stubbed up at the proposed compound location and will be tested prior to starting up the system. A small section of the existing trench, shown on Figure 9, will need to be removed to locate the existing 1-inch diameter effluent discharge line to then connect to the existing 2-inch vapor lines that connect to RW-1 through RW-4. Additionally, ball valves will be utilized so that the existing trench line stays connected, although they will be closed to ensure that all the treated recovered effluent discharge water stays on the site and is injected into RW-1 through RW-4. It is estimated that the 1-inch diameter discharge line is buried approximately 24 inches deep and runs east to west. According to the the previous construction drawings, the existing 2-inch diameter vapor lines that are piped to RW-1 through RW-4 are expected to also be approximately 24 inches deep and run north to south, crossing over each other at the area shown on Figure 9. Following pipe connection, trenches will be backfilled with either clean, Type A-3 sand fill or clean native material (if acceptable). Backfill and compaction will extend to within 6 inches of the existing site grade surface. Trenches will be completed with like surfaces (concrete). Proposed trenching and trench cross-sections are illustrated on Figure 8.

All required trenching and underground work will comply with the Trench Safety Act, Sections 553.60-553.64, Florida Statutes (F.S.) and the underground Facility Damage and Prevention and Safety Act, Sections 556.101-556.111, F.S.

#### **3.3.2 Equipment Compound**

The rental remediation system can be installed in the area of the existing remedial stub-ups and power pole. The equipment compound is proposed to be approximately 12 feet x 20 feet. A permanent 6-foot high fence will need to be installed with a locking gate to access the remediation equipment. The existing power pole will be used to provide electricity to the system once the utility account is reactivated. The proposed equipment compound area location is presented on Figure 2.

#### **3.3.3 Off-gas Treatment (Carbon)**

The anticipated volatile organic compounds (VOC) concentrations in the extracted soil vapor are not expected to be high enough to warrant the use of a thermal oxidizer; instead, vapor phase granulated activated carbon (GAC) will be used for treatment of the extracted vapors prior to discharge to the atmosphere. The estimated effluent vapor concentration is expected to be below the regulatory limit of 13.7 lbs/day after treatment. One Carbtrol G-1S carbon canister with 200 lbs. of GAC or approved equivalent, will be installed for vapor treatment. Based on carbon usage rate, the 200 lb canister of GAC should provide adequate treatment for 116 months which is greater than the minimum required off-gas treatment duration (30 days) as per Chapter 62-770, FAC. If effluent concentrations are higher than the individual discharge limit after 30 days, the carbon vessel will be changed out until the data suggests that treatment is no longer necessary. Calculations and equipment information are provided in Appendices D and E, respectively.

A sample port will be located at the effluent of the carbon vessel to monitor air emissions and flow rates. Vapors will then vent to the atmosphere after passing through a 15-foot high, 2-inch ID SCH 80 PVC stack.

### **3.3.4 Effluent Discharge (Carbon treatment prior to injection into RW-1 through RW-4)**

Several options were reviewed to obtain the most cost-effective, technically feasible, and implementable effluent discharge method for this site. These options include utilization of the existing remediation recovery wells onsite as injection wells, sanitary sewer discharge and storm water discharge. Stormwater discharge was rejected because no surface water bodies could be located close to the site to pipe the effluent. Also, the cost associated with NPDES sampling and compliance is prohibitive when other options are available. Sanitary sewer discharge was not selected based on cost and permitting to connect to the sanitary sewer. Use of the existing remediation wells RW-1 through RW-4 (screened 4-25 feet bls) as injection wells is the most cost effective and implementable option. Investigation derived waste (IDW) generated during the MPE events will be collected in the MPE system knock-out tank and then pretreated with bag filters and liquid phase carbon. The effluent discharge line will be connected to the 2-inch diameter vapor line for RW-1 through RW-4 from the existing system piping for the Lake Butler Cluster site pump and treat remedial system. The recovered treated groundwater will then be pumped into the vapor piping in onsite recovery wells RW-1 through RW-4 and disposed of by injecting into the existing onsite recovery wells which are set to a depth of 25 feet bls, and screen from 4-25 feet bls.

The estimated recovered groundwater influent concentrations are expected to be below GCTLs as this was the case during the previous episodic events, although WSP recommends pretreating the recovered groundwater with bag filters followed by a high pressure activated carbon canister for polishing the groundwater to prevent contaminated groundwater from being injected into the onsite remediation wells. One Carbtrol HP-90 carbon canister with 90 lbs. of GAC or approved equivalent, will be installed on the effluent discharge of the remediation system prior to being injected into the onsite remediation wells. A sample port will be located at the effluent of the carbon vessel to collect an effluent groundwater sample. Historical remedial system trench drawings are provided in Appendix C and Example Equipment Specification information is provided in Appendix E.

### **3.3.5 Construction and Startup Plan**

Site construction activities include construction of the system compound to install the rental MPE system and excavation of a small section of the existing trench to connect the effluent discharge line to the onsite recovery wells existing piping. Construction activities will commence upon approval of the remedial action implementation cost proposal by FDEP. All MPE wells have been previously installed as discussed in the previous sections.

Upon completion of compound construction, the system will be delivered to the site for connection to the existing wells and existing power supply. All permits required for construction activities will be obtained before construction activities commence.

As part of the system startup, troubleshooting and adjustments will be made during the first month. The MPE wells will be adjusted after startup based on site conditions to focus on areas of groundwater and soil contamination. All vacuum/pressure gauges, meters, and alarms will be checked. Sufficient time will be allowed for the system to achieve equilibrium before collecting the system air samples. Vacuum levels will be measured in all wells and system airflow rate readings will be obtained from the influent and effluent ports.

## **4.0 MONITORING AND REPORTING**

### **4.1 System Monitoring**

The monitoring program is designed to evaluate the performance, progress, and effectiveness of the system installed, and to identify possible methods of improving system performance. Also, regular O&M will be performed to maintain product warranties. Monitoring will also be conducted to ensure effluent standards are met. The monitoring program will be in accordance with the procedures set forth in Chapter 62-780, FAC, for monitoring remedial action systems.

As required by Chapter 62-780, the system air influent and the system air effluent will be sampled daily during the first three days of the system startup; weekly for the first month; and monthly until treatment is no longer required, at which point quarterly sampling will be conducted to ensure regulatory compliance. One groundwater sample is recommended to be collected from the effluent port of the liquid phase carbon vessels during each monthly O&M to ensure that the recovered groundwater being injected into the onsite remediation wells is below GCTLs. The sample will be analyzed for VOCs and polycyclic aromatic hydrocarbons (PAHs) using USEPA Methods 8260 and 8270, and Total Recoverable Petroleum Hydrocarbons (TRPHs) using the Florida Petroleum Residual Organics (Florida-PRO) method. If at any time the concentrations in the effluent sample exceed GCTLs, it is recommended that the liquid phase carbon should be replaced.

Monitoring wells listed in Section 4.2 will be sampled quarterly to provide data for tracking the progress of the remedial program. The samples will be analyzed for VOCs and PAHs using USEPA Methods 8260 and 8270, and TRPH using the FL-PRO Method. The field parameters (depth-to-water and vacuum) will be collected weekly from select site monitoring wells for the first month, and monthly thereafter. If operational parameters remain unchanged, the monitoring may be modified or discontinued upon FDEP approval.

Quarterly reports including figures depicting water table elevation contours and the extent of groundwater contamination will be submitted. Quarterly reports will also include evaluation of contamination reduction and milestone progress, system performance, summary of maintenance performed, and repairs made, manufacturer's response time, and manufacturer warranty performance. Also, as part of the monthly monitoring readings from hour meters, flow meters, pressure gauges, and vacuum gauges will be recorded.

### **4.2 Groundwater Monitoring**

Baseline and routine quarterly groundwater sampling of selected monitoring wells is required to document site cleanup progress. Monitoring wells MW-33S and MW-74S will be sampled on a

quarterly basis following system startup. Additionally monitoring wells MW-44S, MW-47S and MW-33I are recommended to be sampling during the baseline sampling event and on an annual basis thereafter. All groundwater samples will be collected using FDEP SOPs for groundwater sampling. Prior to sampling, the monitoring wells will be purged using low flow purging techniques with a peristaltic pump and new HDPE tubing. Field parameters (including temperature, pH, specific conductance, turbidity, dissolved oxygen and oxygen reduction potential) will be measured following removal of each well volume. A minimum of three well volumes will be purged from the monitoring well. If the field parameters have stabilized (i.e., two consecutive measurements are within 5%) and the water turbidity is less than 20 nephelometric turbidity units (NTU) after three well volumes, the groundwater sample will be collected. If turbidity below 20 NTUs cannot be attained, the well will be purged until the turbidity measurements become stable, or until five well volumes have been purged, at which time the groundwater samples will be collected. In addition, field observations, such as color, odor and sheen will be documented. Samples collected will be analyzed for BTEX and MTBE using USEPA Method 8260, PAHs using USEPA Method 8270 and TRPH using the FL-PRO Method. The FDEP Milestone Table and Graphs are provided in Appendix F.

<b>Groundwater and Air Sampling Frequencies and Analytical Methods</b>		
<b>Monitoring Frequency</b>	<b>Sample Location</b>	<b>USEPA Method</b>
MPE System Startup (daily for the first three days and last day of 1 <sup>st</sup> week of startup)	MPE Systems* (influent/effluent):	EPA18, OVA, vacuum, flow rate
	Post Liquid Phase Carbon (effluent)	8260, 8270, and FL-PRO
Weekly (first month)	MPE Systems* (influent/effluent):	EPA18, OVA, vacuum, flow rate
	Post Liquid Phase Carbon (effluent)	8260, 8270, and FL-PRO
Monthly	MPE Systems* (influent/effluent):	EPA18, OVA, vacuum, flow rate
	Post Liquid Phase Carbon (effluent)	8260, 8270, and FL-PRO
Quarterly	MW-33S and MW-74S	8260, 8270, and FL-PRO
Baseline/Annually	MW-33S, MW-44S, MW-47S, MW-74S and MW-33I	8260, 8270, and FL-PRO

\*All system equipment readings will be read and optimized.

### 4.3 Reporting

WSP will prepare and submit a Startup Report to FDEP following the baseline sampling, completion of the construction and system connection, and system startup event. The report will document all activities associated with the construction and startup of the new rental MPE system. Following the completion of each quarter of O&M events, WSP will conduct the quarterly groundwater monitoring event and submit a quarterly O&M report to FDEP. During active remediation, WSP will submit quarterly and annual reports to the FDEP. These reports will summarize the system operation and groundwater sampling results and will include water table elevation contour maps and a discussion

of the remedial system progress during the previous quarter and recommendations on modifications and optimization as needed.

## **5.0 SCHEDULE**

Upon approval of the RAP Mod, construction drawings and specification report, WSP will request FDEP to prepare a new Purchase Order and Scope of Work to implement the remedial action remediation at the site. Once the new Purchase Order and Scope of Work is offered and accepted, WSP will solicit bids from qualified subcontractors and implement the RAP Mod.

## **6.0 COST ESTIMATE**

The following breakdown presents the estimated costs for implementation of the RAP Mod at the subject site with 1 year of O&M and quarterly groundwater sampling. Costs per task have been calculated utilizing WSP's approved Schedule of Pay Items (SPI) rates. A Schedule of Pay Items Rate Sheet listing the expected construction costs is provided in Appendix G.

Task 1	Site Health & Safety Plan	
Task 2	Baseline Sampling, Construction and Startup of MPE Rental System	\$39,294.94
Task 3	Quarter 1 O&M MPE System and Quarterly Sampling	\$40,013.04
Task 4	Quarter 2 O&M MPE System and Quarterly Sampling	\$36,824.10
Task 5	Quarter 3 O&M MPE System and Quarterly Sampling	\$34,012.50
Task 6	Quarter 4 O&M MPE System and Annual Sampling	\$36,900.24
	Total	\$187,044.82

## **REFERENCES**

Wood Environment & Infrastructure Solutions, Inc., Union County Property, Annual Post Active Remedial Monitoring Report, June 3, 2022.

Wood Environment & Infrastructure Solutions, Inc., Union County Property, Remedial Action General Report, October 30, 2020.

Amec Foster Wheeler Environment & Infrastructure, Inc., Union County Property, Bid Specification & Construction Drawings, December 20, 2016.

Amec Foster Wheeler Environment & Infrastructure, Inc., Union County Property, Limited Scope Remedial Action Plan, September, 2016.

## **FIGURES**

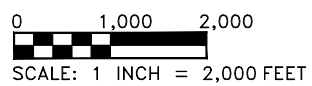
- 1 Site Vicinity Map
- 2 Site Map with Sample Locations
- 3A Organic Vapor Analyzer (OVA) Screening Results - Vadose Zone
- 3B Organic Vapor Analyzer (OVA) Screening Results - Saturated Zone
- 4A Soil Analytical Data – Vadose Zone
- 4B Soil Analytical Data – Saturated Zone
- 5 Groundwater Flow Map, April 26, 2022
- 6 Groundwater Analytical Data, April 2022
- 7 Existing Multi-Phase Extraction Well Locations with Radius of Influence
- 8 Existing Multi-Phase Extraction Well Construction Detail
- 9 Updated Trench Layout and Detail
- 10 Multi-Phase Extraction System Process and Instrumentation Diagram



**SOURCE:**  
 USGS Quadrangle - LAKE BUTLER 1993  
 Maps and data Copyright 2003 Maptech

Approximate site location  
 Section 30, Township 5 South, Range 20 East  
 Latitude: 30° 1' 22.91" North  
 Longitude: 82° 20' 19.35" West

Facility ID#: 63/8517147



P:\CAD\Preapproval\LkButler\UNION COUNTY PROPERTY\RAPMOD\2023-01\FIG-1.dwg

**SITE VICINITY MAP**

NO.	DATE	REVISIONS	
0	Jan-23	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
NT	GB		

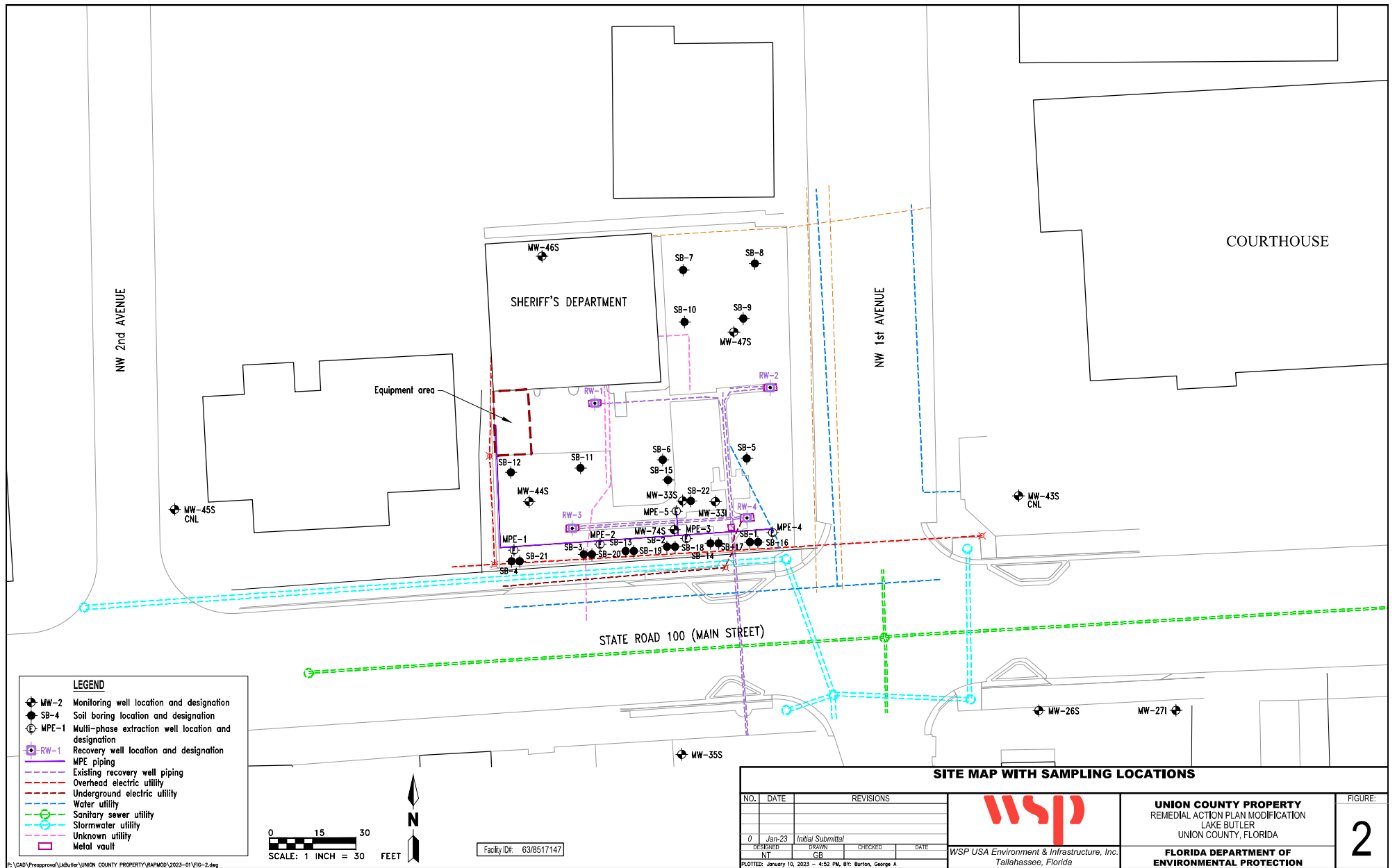
WSP USA Environment & Infrastructure, Inc.  
 Tallahassee, Florida

**UNION COUNTY PROPERTY**  
 REMEDIAL ACTION PLAN MODIFICATION  
 LAKE BUTLER  
 UNION COUNTY FLORIDA

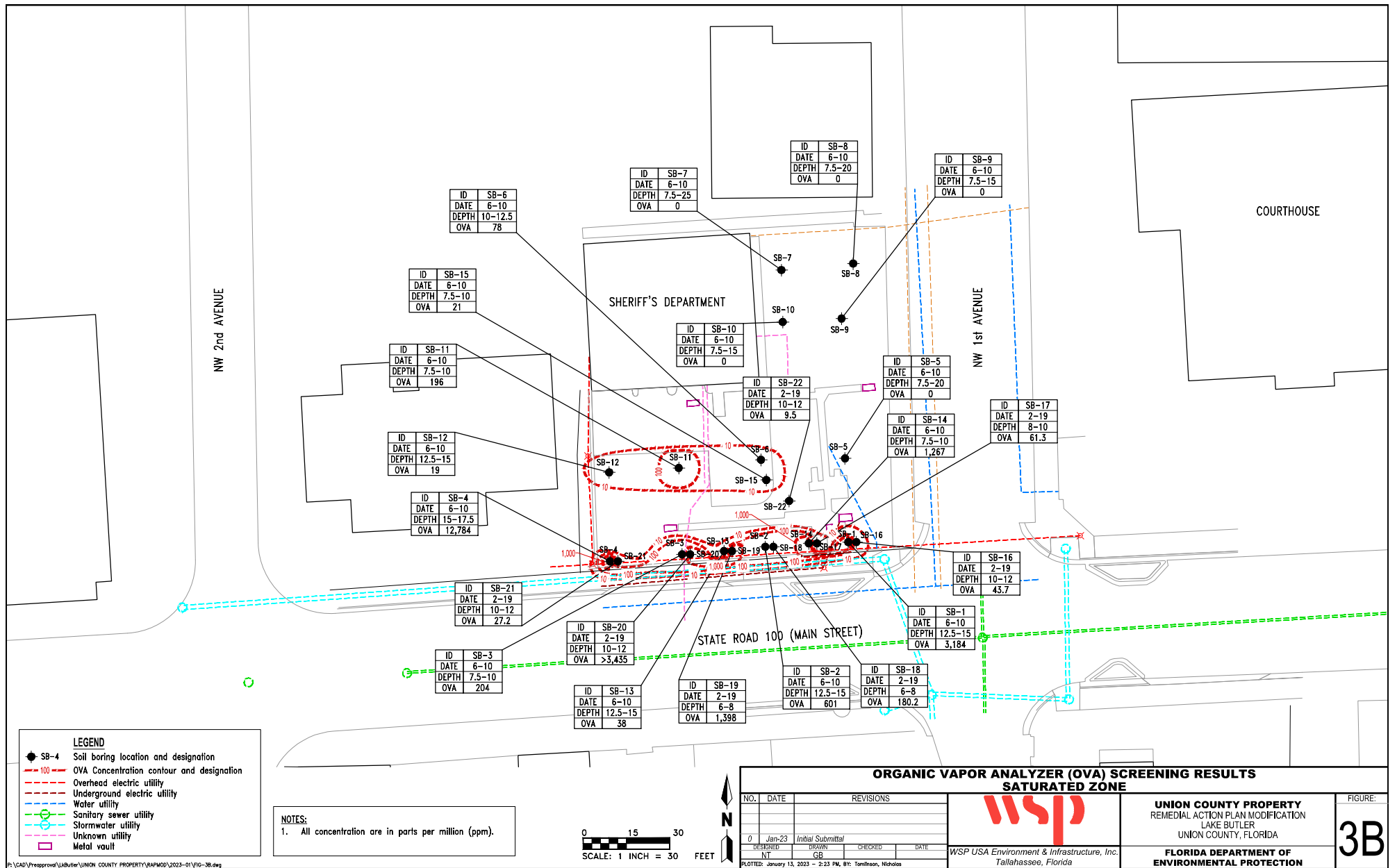
**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

FIGURE:  
**1**

PLOTTED: January 10, 2023 - 4:47 PM, BY: Burton, George A







ID	SB-6
DATE	6-10
DEPTH	10-12.5
OVA	78

ID	SB-7
DATE	6-10
DEPTH	7.5-25
OVA	0

ID	SB-8
DATE	6-10
DEPTH	7.5-20
OVA	0

ID	SB-9
DATE	6-10
DEPTH	7.5-15
OVA	0

ID	SB-15
DATE	6-10
DEPTH	7.5-10
OVA	21

ID	SB-10
DATE	6-10
DEPTH	7.5-15
OVA	0

ID	SB-5
DATE	6-10
DEPTH	7.5-20
OVA	0

ID	SB-11
DATE	6-10
DEPTH	7.5-10
OVA	196

ID	SB-22
DATE	2-19
DEPTH	10-12
OVA	9.5

ID	SB-17
DATE	2-19
DEPTH	8-10
OVA	61.3

ID	SB-12
DATE	6-10
DEPTH	12.5-15
OVA	19

ID	SB-14
DATE	6-10
DEPTH	7.5-10
OVA	1,267

ID	SB-4
DATE	6-10
DEPTH	15-17.5
OVA	12,784

ID	SB-16
DATE	2-19
DEPTH	10-12
OVA	43.7

ID	SB-21
DATE	2-19
DEPTH	10-12
OVA	27.2

ID	SB-20
DATE	2-19
DEPTH	10-12
OVA	>3,435

ID	SB-1
DATE	6-10
DEPTH	12.5-15
OVA	3,184

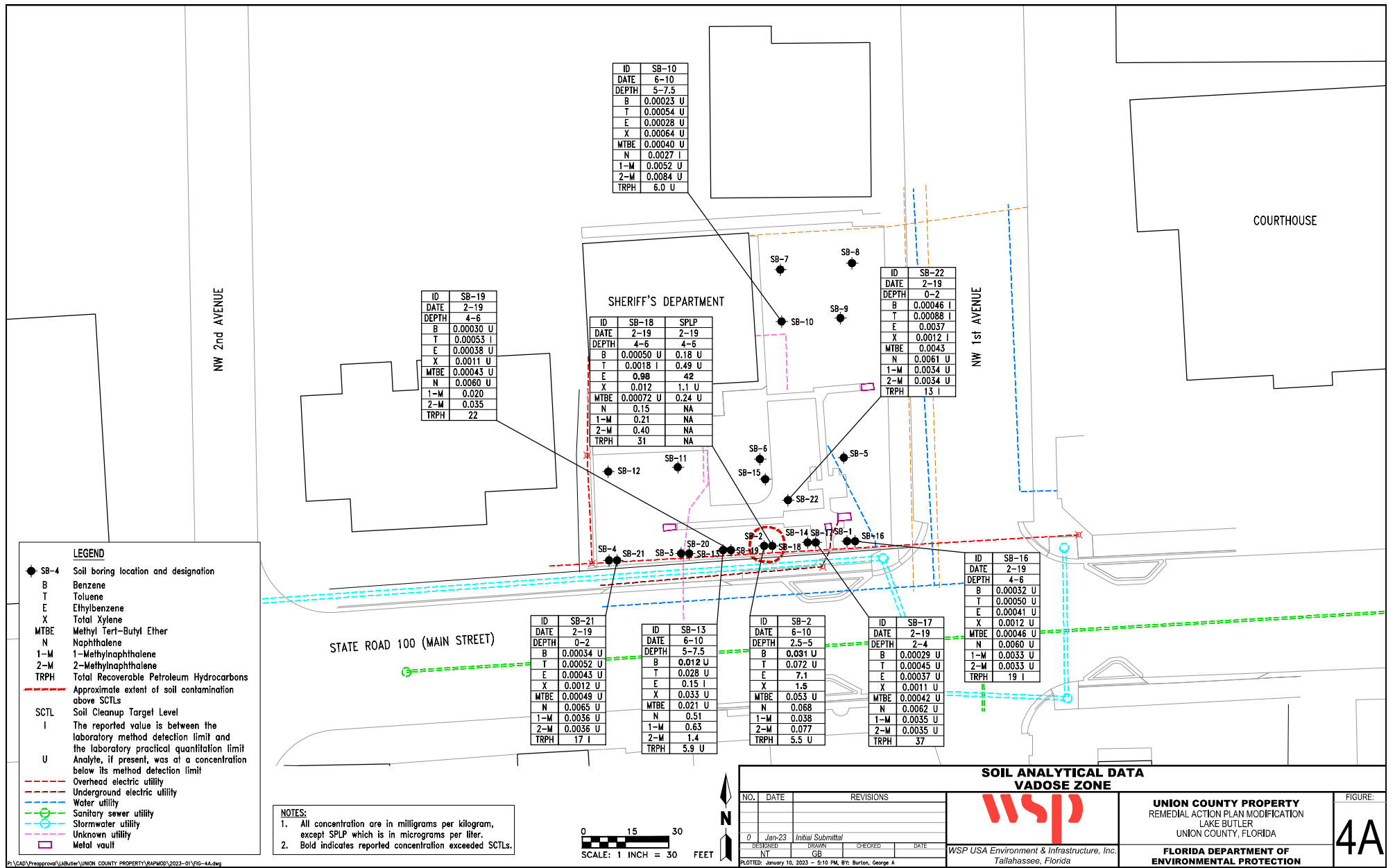
ID	SB-3
DATE	6-10
DEPTH	7.5-10
OVA	204

ID	SB-13
DATE	6-10
DEPTH	12.5-15
OVA	38

ID	SB-19
DATE	2-19
DEPTH	6-8
OVA	1,398

ID	SB-2
DATE	6-10
DEPTH	12.5-15
OVA	601

ID	SB-18
DATE	2-19
DEPTH	6-8
OVA	180.2



ID	SB-19
DATE	2-19
DEPTH	4-6
B	0.00030 U
T	0.00053 I
E	0.00038 U
X	0.0011 U
MTBE	0.00043 U
N	0.0060 U
1-M	0.020
2-M	0.035
TRPH	22

ID	SB-10
DATE	6-10
DEPTH	5-7.5
B	0.00023 U
T	0.00054 U
E	0.00028 U
X	0.00064 U
MTBE	0.00040 U
N	0.0027 I
1-M	0.0052 U
2-M	0.0084 U
TRPH	6.0 U

ID	SB-18	SPLP
DATE	2-19	2-19
DEPTH	4-6	4-6
B	0.00050 U	0.18 U
T	0.0018 I	0.49 U
E	0.98	42
X	0.012	1.1 U
MTBE	0.00072 U	0.24 U
N	0.15	NA
1-M	0.21	NA
2-M	0.40	NA
TRPH	31	NA

ID	SB-22
DATE	2-19
DEPTH	0-2
B	0.00046 I
T	0.00088 I
E	0.0037
X	0.0012 I
MTBE	0.0043
N	0.0061 U
1-M	0.0034 U
2-M	0.0034 U
TRPH	13 I

ID	SB-16
DATE	2-19
DEPTH	4-6
B	0.00032 U
T	0.00050 U
E	0.00041 U
X	0.0012 U
MTBE	0.00046 U
N	0.0060 U
1-M	0.0033 U
2-M	0.0033 U
TRPH	19 I

ID	SB-21
DATE	2-19
DEPTH	0-2
B	0.00034 U
T	0.00052 U
E	0.00043 U
X	0.0012 U
MTBE	0.00049 U
N	0.0065 U
1-M	0.0036 U
2-M	0.0036 U
TRPH	17 I

ID	SB-13
DATE	6-10
DEPTH	5-7.5
B	0.012 U
T	0.028 U
E	0.15 I
X	0.033 U
MTBE	0.021 U
N	0.51
1-M	0.63
2-M	1.4
TRPH	5.9 U

ID	SB-2
DATE	6-10
DEPTH	2.5-5
B	0.031 U
T	0.072 U
E	7.1
X	1.8
MTBE	0.053 U
N	0.068
1-M	0.038
2-M	0.077
TRPH	5.5 U

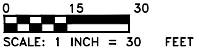
ID	SB-17
DATE	2-19
DEPTH	2-4
B	0.00029 U
T	0.00045 U
E	0.00037 U
X	0.0011 U
MTBE	0.00042 U
N	0.0062 U
1-M	0.0035 U
2-M	0.0035 U
TRPH	37

**LEGEND**

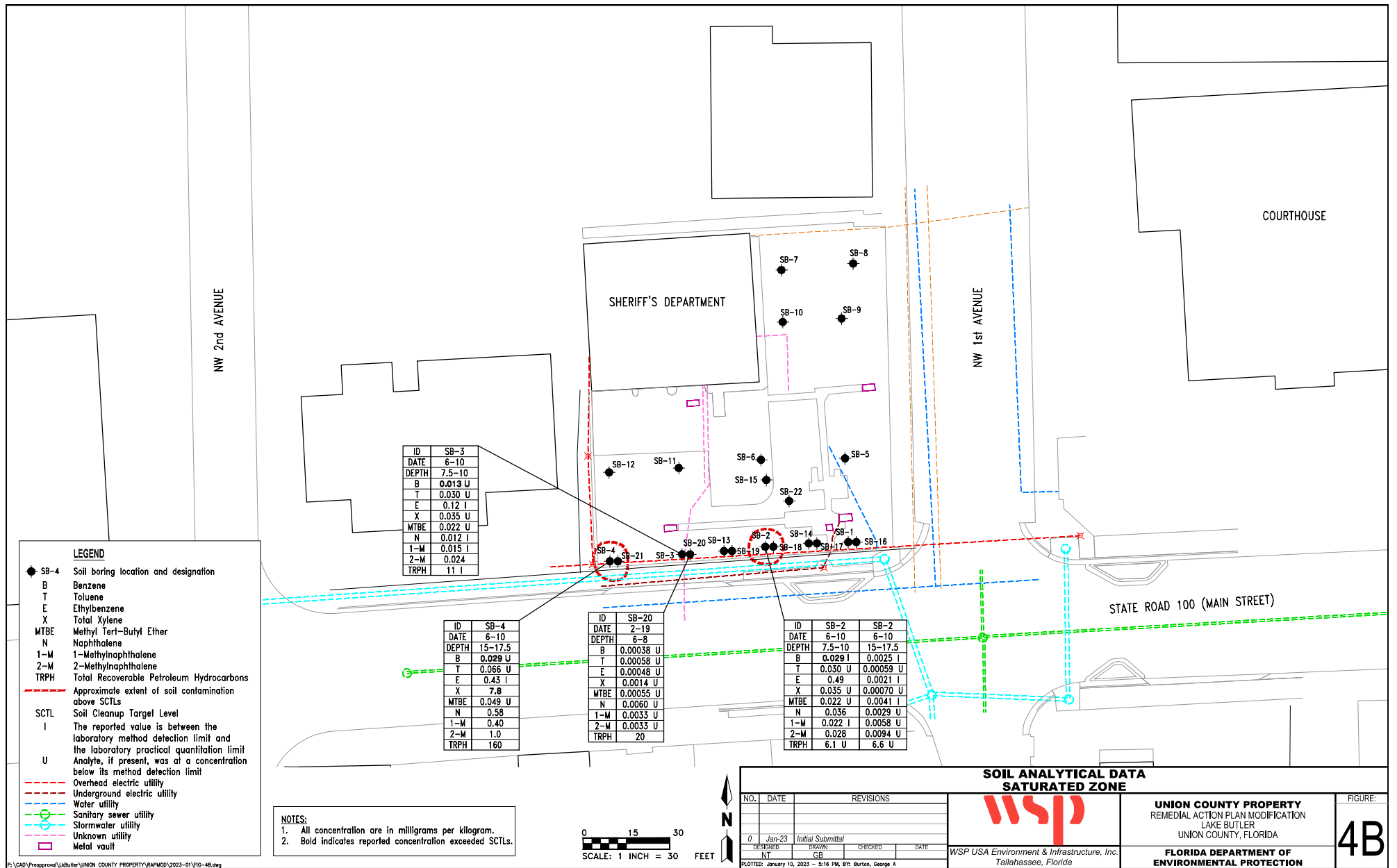
- SB-4 Soil boring location and designation
- B Benzene
- T Toluene
- E Ethylbenzene
- X Total Xylene
- MTBE Methyl Tert-Butyl Ether
- N Naphthalene
- 1-M 1-Methylnaphthalene
- 2-M 2-Methylnaphthalene
- TRPH Total Recoverable Petroleum Hydrocarbons
- - - Approximate extent of soil contamination above SCTLs
- SCTL Soil Cleanup Target Level
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- U Analyte, if present, was at a concentration below its method detection limit
- - - Overhead electric utility
- - - Underground electric utility
- - - Water utility
- - - Sanitary sewer utility
- - - Stormwater utility
- - - Unknown utility
- Metal vault

**NOTES:**

- All concentration are in milligrams per kilogram, except SPLP which is in micrograms per liter.
- Bold indicates reported concentration exceeded SCTLs.



<table border="1"> <tr><th>NO.</th><th>DATE</th><th>REVISIONS</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		NO.	DATE	REVISIONS							<p>WSP USA Environment &amp; Infrastructure, Inc. Tallahassee, Florida</p>	<p><b>UNION COUNTY PROPERTY</b> REMEDIAL ACTION PLAN MODIFICATION LAKE BUTLER UNION COUNTY, FLORIDA</p> <p><b>FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION</b></p>	<p>FIGURE: <b>4A</b></p>					
		NO.	DATE	REVISIONS														
<table border="1"> <tr><td>0</td><td>Jan-23</td><td>Initial Submittal</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> <p>DESIGNED: NT    DRAWN: GB    CHECKED:    DATE:   </p> <p>PLOTTED: January 10, 2023 - 5:10 PM, BY: Burton, George A</p>	0	Jan-23	Initial Submittal															
0	Jan-23	Initial Submittal																



ID	SB-3
DATE	6-10
DEPTH	7.5-10
B	0.013 U
T	0.030 U
E	0.12 I
X	0.035 U
MTBE	0.022 U
N	0.012 I
1-M	0.015 I
2-M	0.024
TRPH	11 I

ID	SB-4
DATE	6-10
DEPTH	15-17.5
B	0.029 U
T	0.066 U
E	0.43 I
X	7.8
MTBE	0.049 U
N	0.58
1-M	0.40
2-M	1.0
TRPH	160

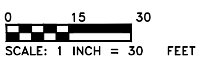
ID	SB-20
DATE	2-19
DEPTH	6-8
B	0.00038 U
T	0.00058 U
E	0.00048 U
X	0.0014 U
MTBE	0.00055 U
N	0.0060 U
1-M	0.0035 U
2-M	0.0035 U
TRPH	20

ID	SB-2	SB-2
DATE	6-10	6-10
DEPTH	7.5-10	15-17.5
B	0.028 I	0.0025 I
T	0.030 U	0.00059 U
E	0.49	0.0021 I
X	0.035 U	0.00070 U
MTBE	0.022 U	0.0041 I
N	0.036	0.0029 U
1-M	0.022 I	0.0058 U
2-M	0.028	0.0094 U
TRPH	6.1 U	6.6 U

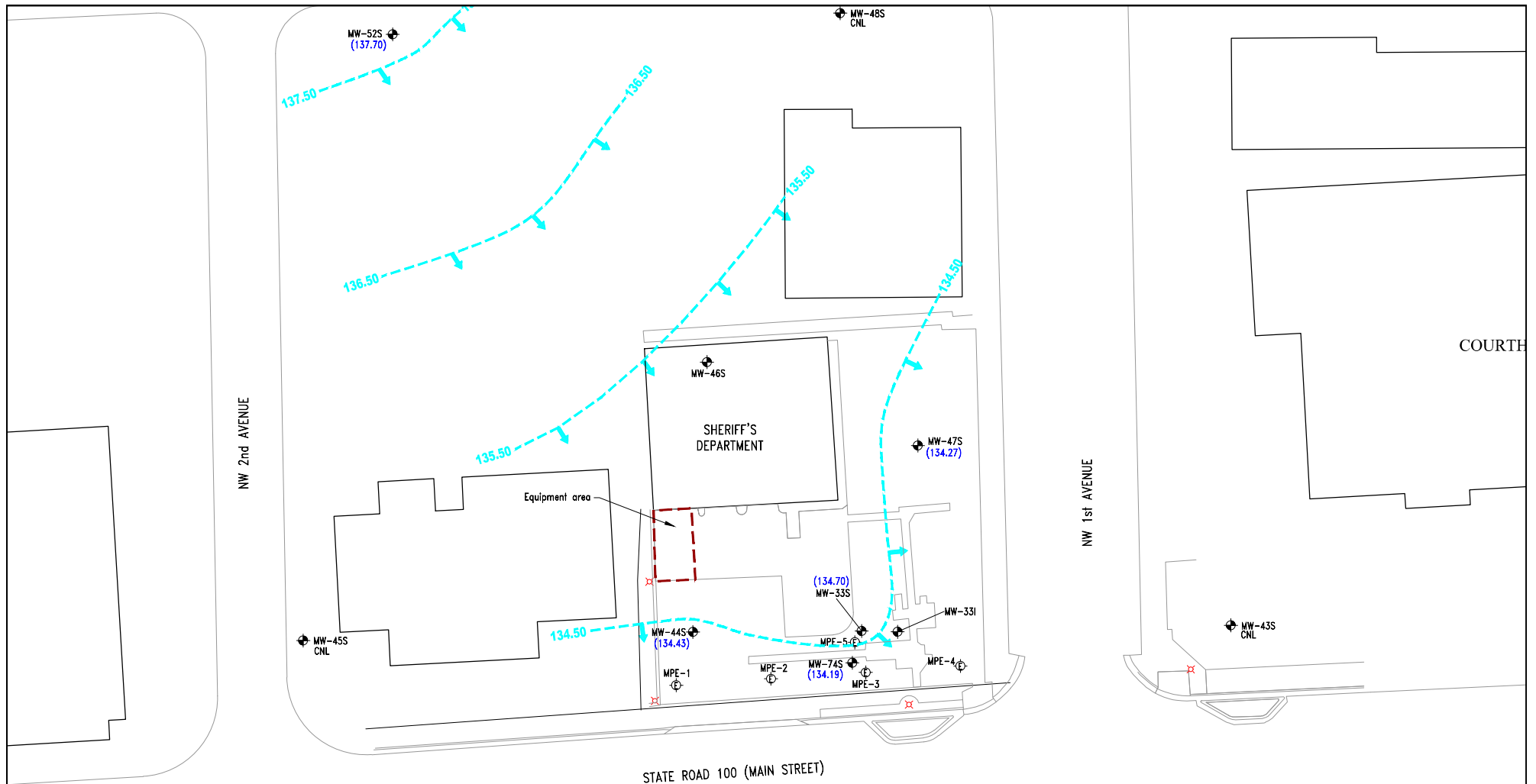
**LEGEND**

- SB-4 Soil boring location and designation
- B Benzene
- T Toluene
- E Ethylbenzene
- X Total Xylene
- MTBE Methyl Tert-Butyl Ether
- N Naphthalene
- 1-M 1-Methylnaphthalene
- 2-M 2-Methylnaphthalene
- TRPH Total Recoverable Petroleum Hydrocarbons
- - - Approximate extent of soil contamination above SCTLs
- SCTL Soil Cleanup Target Level
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- U Analyte, if present, was at a concentration below its method detection limit
- - - Overhead electric utility
- - - Underground electric utility
- - - Water utility
- - - Sanitary sewer utility
- - - Stormwater utility
- - - Unknown utility
- Metal vault

**NOTES:**  
 1. All concentration are in milligrams per kilogram.  
 2. Bold indicates reported concentration exceeded SCTLs.



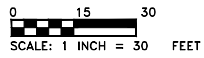
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		NO.	DATE	REVISIONS												
<p>0 Jan-23 Initial Submittal</p> <table border="1"> <tr><td>DESIGNED</td><td>NT</td><td>CHECKED</td><td> </td><td>DATE</td><td> </td></tr> <tr><td>DRAWN</td><td>GB</td><td> </td><td> </td><td> </td><td> </td></tr> </table> <p>PLOTTED: January 10, 2023 - 5:16 PM BY: Burton, George A</p>	DESIGNED	NT	CHECKED		DATE		DRAWN	GB								
DESIGNED	NT	CHECKED		DATE												
DRAWN	GB															



**LEGEND**

- MW-2 Monitoring well location and designation
- MPE-1 Multi-phase extraction well location and designation
- (134.46) Groundwater elevation
- Not used in contouring
- 135.0 Groundwater elevation contour and designation
- Groundwater flow direction

Facility ID#: 6318517147



**GROUNDWATER FLOW MAP  
APRIL 26, 2022**

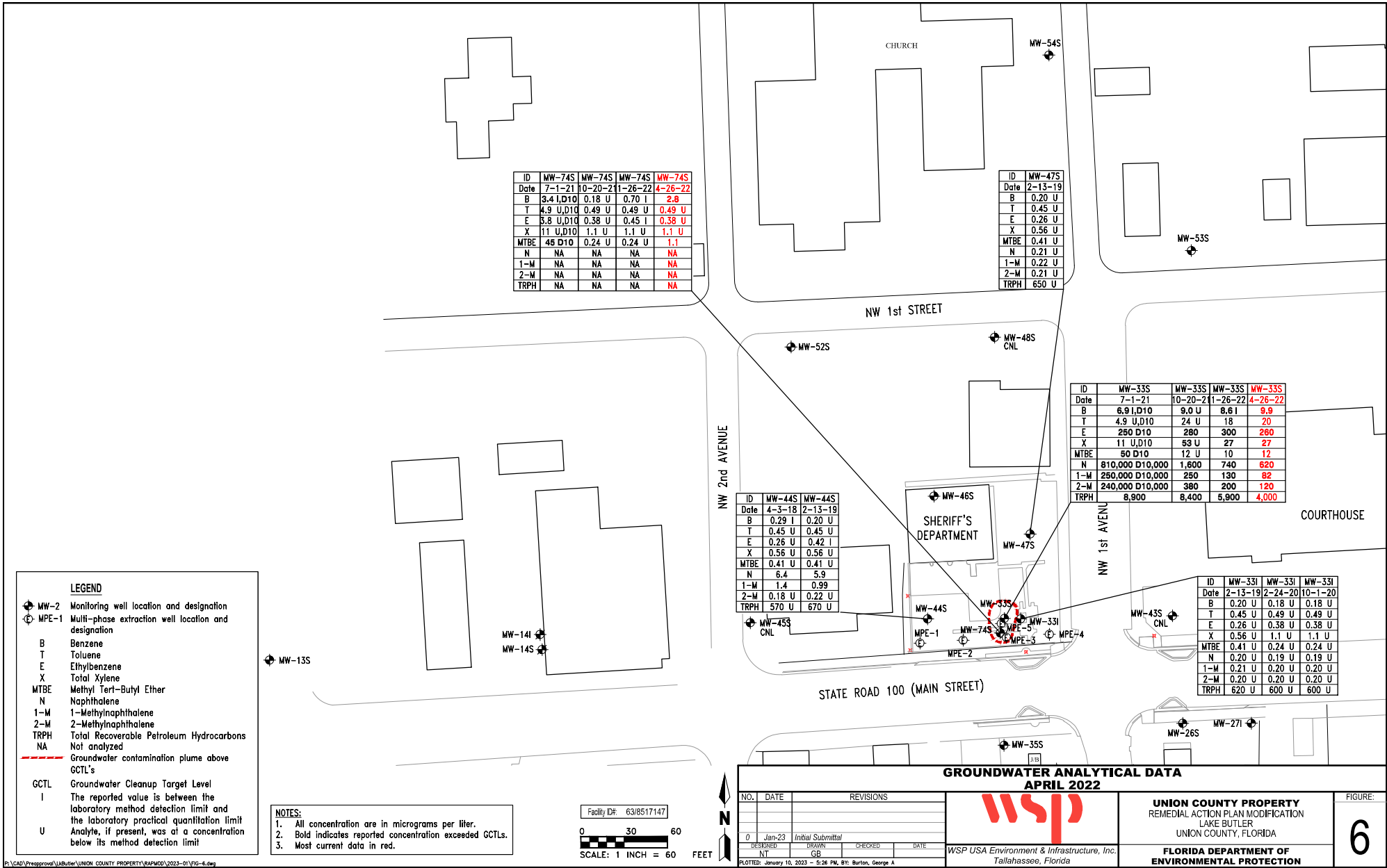
NO.	DATE	REVISIONS
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Tallahassee, Florida

**UNION COUNTY PROPERTY  
REMEDIAL ACTION PLAN MODIFICATION  
LAKE BUTLER  
UNION COUNTY, FLORIDA**

**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**

FIGURE:  
**5**



ID	MW-74S	MW-74S	MW-74S	MW-74S
Date	7-1-21	10-20-21	11-26-22	4-26-22
B	3.4 I	0.18 U	0.70 I	2.8
T	4.9 U	0.49 U	0.49 U	0.49 U
E	3.8 U	0.38 U	0.45 I	0.38 U
X	11 U	1.1 U	1.1 U	1.1 U
MTBE	45 D	0.24 U	0.24 U	1.1
N	NA	NA	NA	NA
1-M	NA	NA	NA	NA
2-M	NA	NA	NA	NA
TRPH	NA	NA	NA	NA

ID	MW-47S
Date	2-13-19
B	0.20 U
T	0.45 U
E	0.26 U
X	0.56 U
MTBE	0.41 U
N	0.21 U
1-M	0.22 U
2-M	0.21 U
TRPH	650 U

ID	MW-33S	MW-33S	MW-33S	MW-33S
Date	7-1-21	10-20-21	11-26-22	4-26-22
B	6.9 I	0.10 U	8.6 I	9.9
T	4.9 U	0.10 U	24 U	18
E	250 D	10	300	260
X	11 U	53 U	27	27
MTBE	50 D	12 U	10	12
N	810,000 D	10,000	1,600	740
1-M	250,000 D	10,000	250	130
2-M	240,000 D	10,000	380	200
TRPH	8,900	8,400	5,900	4,000

ID	MW-44S	MW-44S
Date	4-3-18	2-13-19
B	0.29 I	0.20 U
T	0.45 U	0.45 U
E	0.26 U	0.42 I
X	0.56 U	0.56 U
MTBE	0.41 U	0.41 U
N	6.4	5.9
1-M	1.4	0.99
2-M	0.18 U	0.22 U
TRPH	570 U	670 U

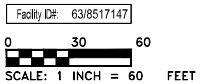
ID	MW-331	MW-331	MW-331
Date	2-13-19	2-24-20	10-1-20
B	0.20 U	0.18 U	0.18 U
T	0.45 U	0.49 U	0.49 U
E	0.26 U	0.38 U	0.38 U
X	0.56 U	1.1 U	1.1 U
MTBE	0.41 U	0.24 U	0.24 U
N	0.20 U	0.19 U	0.19 U
1-M	0.21 U	0.20 U	0.20 U
2-M	0.20 U	0.20 U	0.20 U
TRPH	620 U	600 U	600 U

**LEGEND**

- MW-2 Monitoring well location and designation
- MPE-1 Multi-phase extraction well location and designation
- B Benzene
- T Toluene
- E Ethylbenzene
- X Total Xylene
- MTBE Methyl Tert-Butyl Ether
- N Naphthalene
- 1-M 1-Methylnaphthalene
- 2-M 2-Methylnaphthalene
- TRPH Total Recoverable Petroleum Hydrocarbons
- NA Not analyzed
- Groundwater contamination plume above GCTL's
- GCTL Groundwater Cleanup Target Level
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- U Analyte, if present, was at a concentration below its method detection limit

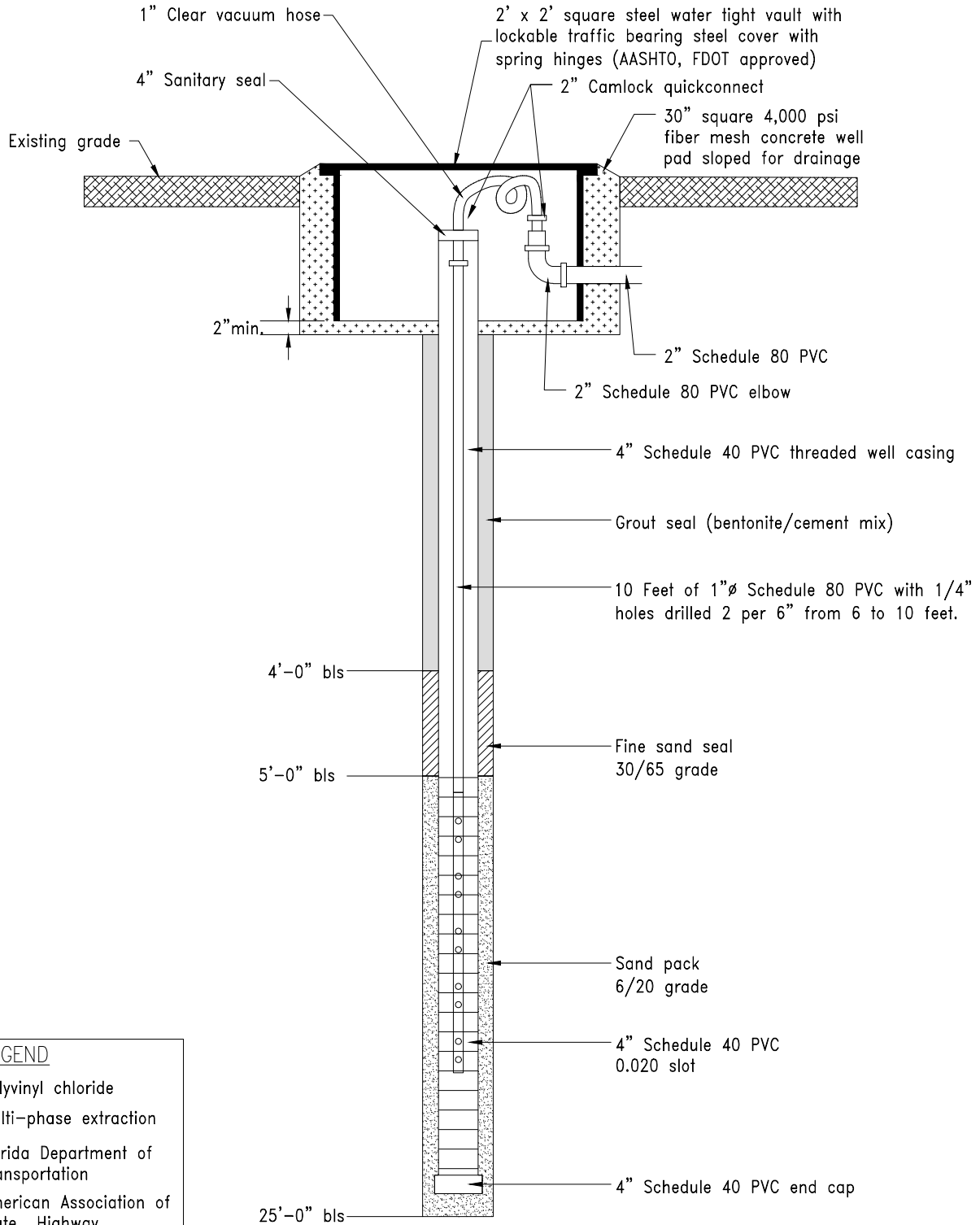
**NOTES:**

- All concentration are in micrograms per liter.
- Bold indicates reported concentration exceeded GCTLs.
- Most current data in red.



GROUNDWATER ANALYTICAL DATA				APRIL 2022		UNION COUNTY PROPERTY		FIGURE:
NO.	DATE	REVISIONS		REMEDIAL ACTION PLAN MODIFICATION		LAKE BUTLER		6
0	Jan-23	Initial Submittal		UNION COUNTY, FLORIDA		FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
DESIGNED	DRAWN	CHECKED	DATE	WSP USA Environment & Infrastructure, Inc.		Tallahassee, Florida		
PLOTED: January 10, 2023 - 5:26 PM, BY: Burton, George A								





LEGEND	
PVC	Polyvinyl chloride
MPE	Multi-phase extraction
FDOT	Florida Department of Transportation
AASHTO	American Association of State Highway Transportation Officials
bls	Below land surface

NOT TO SCALE

PLOTTED: January 10, 2023 - 5:46 PM, BY: Burton, George A

**EXISTING MULTI-PHASE EXTRACTION WELL CONSTRUCTION DETAIL**

NO.	DATE	REVISIONS	
0	Jan-23	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
NT	GB		



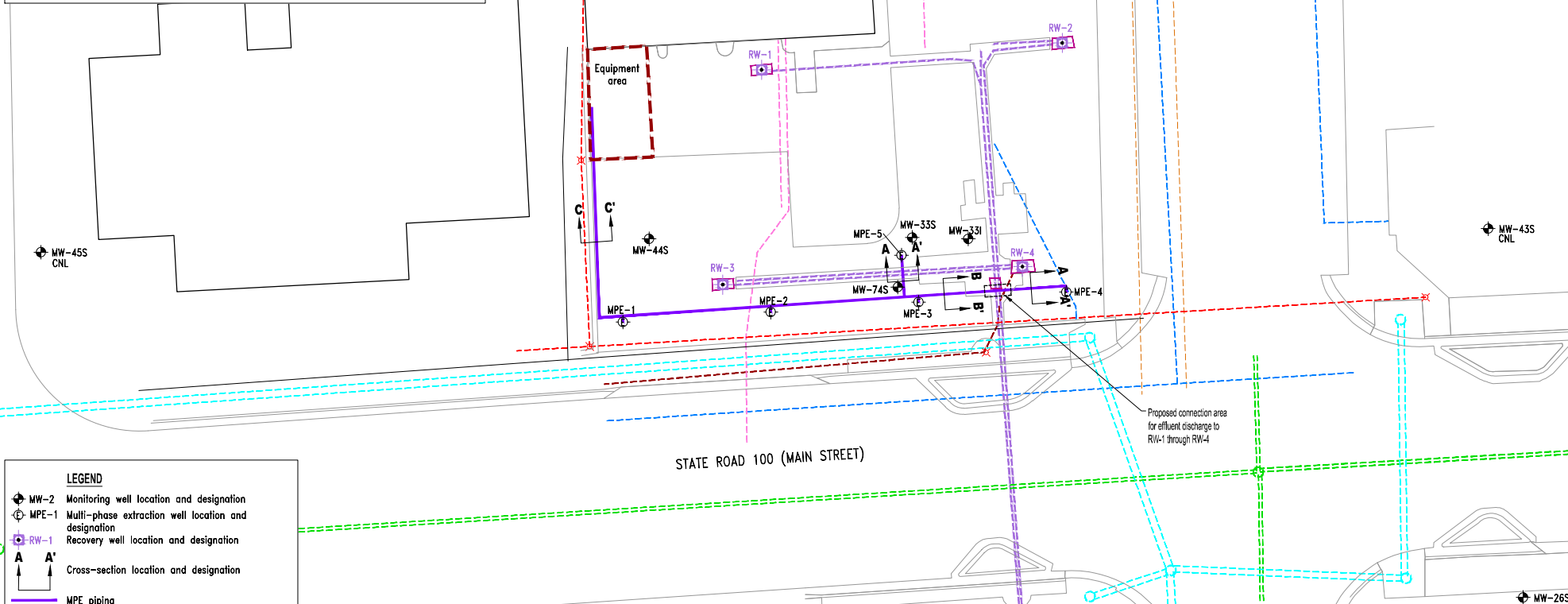
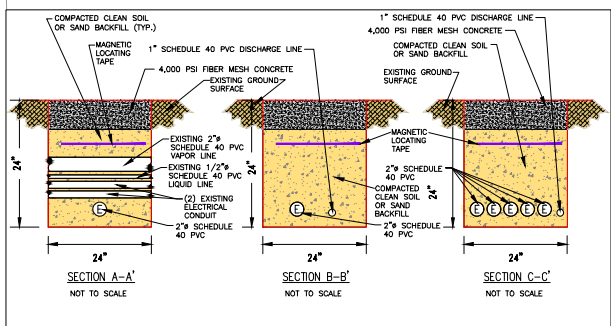
**WSP USA Environment & Infrastructure, Inc.**  
Tallahassee, Florida

**UNION COUNTY PROPERTY**  
REMEDIAL ACTION PLAN MODIFICATION  
LAKE BUTLER  
UNION COUNTY, FLORIDA

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

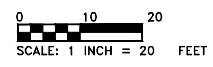
FIGURE:

**8**



**LEGEND**

- MW-2 Monitoring well location and designation
- MPE-1 Multi-phase extraction well location and designation
- RW-1 Recovery well location and designation
- Cross-section location and designation
- MPE piping
- Existing recovery well piping
- Overhead electric utility
- Underground electric utility
- Water utility
- Sanitary sewer utility
- Stormwater utility
- Unknown utility
- Metal vault



**UPDATED TRENCH LAYOUT AND DETAIL**

NO.	DATE	REVISIONS		
0	Jan-23	Initial Submittal		
		DESIGNED	DRAWN	CHECKED
		NT	GB	DATE

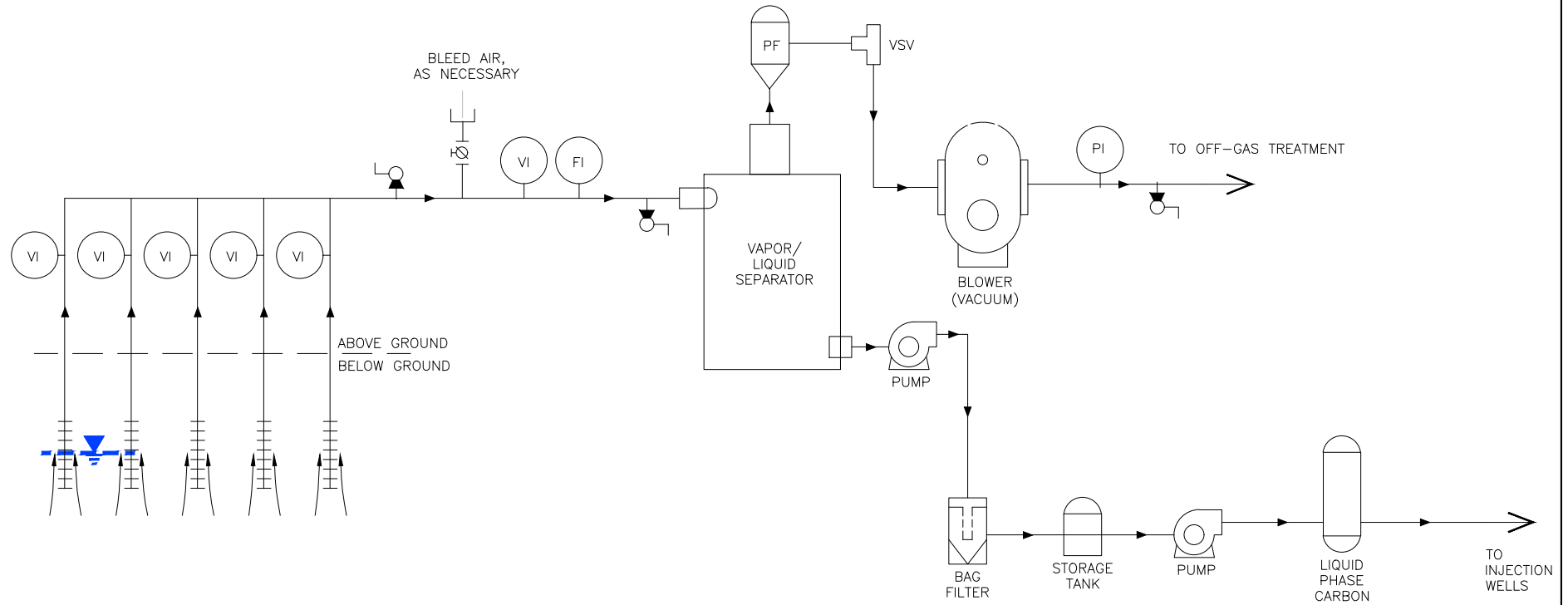
**WSP**  
WSP USA Environment & Infrastructure, Inc.  
Tallahassee, Florida

**UNION COUNTY PROPERTY**  
REMEDIAL ACTION PLAN MODIFICATION  
LAKE BUTLER  
UNION COUNTY, FLORIDA

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

FIGURE:  
**9**

P:\CAD\Preapproval\LAButler\UNION COUNTY PROPERTY\RAP\MOD\2023-01\FIG-9.dwg  
PLOTTED: January 12, 2023 - 5:57 PM, BY: Burton, George A



GENERIC VACUUM EXTRACTION SCHEMATIC  
(NOT TO SCALE)

**LEGEND**

- PIPING
- POTENTIOMETRIC WATER ELEVATION
- ▶ FLOW DIRECTION
- FLOW CONTROL VALVE
- SAMPLE PORT (TYPICAL)
- LOCALLY MOUNTED INSTRUMENT
- FI FLOW INDICATOR
- PF PARTICULATE FILTER
- PI PRESSURE INDICATOR
- TI TEMPERATURE INDICATOR
- VI VACUUM INDICATOR
- VSV VACUUM SWITCH VALVE

**MULTI-PHASE EXTRACTION SYSTEM  
PROCESS AND INSTRUMENTATION DIAGRAM**

NO.	DATE	REVISIONS	
0	Jan-23	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
NT	GB		



WSP USA Environment & Infrastructure, Inc.  
Tallahassee, Florida

**UNION COUNTY PROPERTY**  
REMEDIAL ACTION PLAN MODIFICATION  
LAKE BUTLER  
UNION COUNTY, FLORIDA

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

FIGURE:  
**10**

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<b>Table I</b>			
<b>Soil Cleanup Target Levels</b>			
Remedial Action Plan Modification			
Union County Property			
Lake Butler, Union County, Florida			
Chemicals of Concern	Soil Cleanup Target Levels (mg/kg)		
	Industrial	Residential	Leaching
Benzene	1.7	1.2	0.007
Toluene	60,000	7,500	0.5
Ethylbenzene	9,200	1,500	0.6
Xylenes	700	130	0.2
MTBE	24,000	4,400	0.09
Naphthalene	300	55	1.2
1-Methyl Naphthalene	1800	200	3.1
2-Methyl Naphthalene	2100	210	8.5
TRPH	2700	460	340

SCTL - Soil Cleanup Target Levels for Chapter 62-777 Florida Administrative Code.

<b>Table II</b>				
<b>Groundwater Cleanup Target Levels</b>				
Remedial Action Plan Modification				
Union County Property				
Lake Butler, Union County, Florida				
Contaminants of Concern	Current Highest Concentrations (µg/l) (April 2022)	Groundwater Criteria <sup>1</sup> (µg/l)	Natural Attenuation Default Concentration Standards	
			Source (Maximum Concentrations) µg/l	Perimeter (Groundwater Criteria <sup>1</sup> ) µg/l
Benzene	<b>9.9</b>	1	100	1
Ethylbenzene	<b>260</b>	30	300	30
Toluene	20	40	400	40
Xylenes, total	<b>27</b>	20	200	20
Methyl tert-butyl ether	12	20	200	20
TRPHs	4,000	5,000	50,000	5,000
Naphthalene	<b>620</b>	14	140	14
1-Methylnaphthalene	<b>82</b>	28	280	28
2-Methylnaphthalene	<b>120</b>	28	280	28

Notes: µg/l = micrograms per liter.  
MDL = method detection limit.  
PQL = practical quantitation limit.  
FAC = Florida Administrative Code.  
As provided in Chapters 62-520 or 62-550, FAC.

## TABLE 1: SOIL SCREENING SUMMARY

Facility Name: Union County Property

Facility ID#: 63/8517147

SAMPLE			OVA SCREENING RESULTS			COMMENTS
BORING NO.	DATE COLLECTED	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB-1	6/2/2010	0-2.5	7	0	7	
		2.5-5	33	0	33	
		5-7.5	62	0	62	
		7.5-10	28	0	28	
		10-12.5	26	0	26	
		12.5-15	3,184	0	3,184	
		15-17.5	1,410	0	1,410	
		17.5-20	178	0	178	
SB-2	6/2/2010	0-2.5	351	0	351	
		2.5-5	7,548	0	7,548	collect soil sample SB-2 @2.5-5
		5-7.5	7,781	0	7,781	
		7.5-10	313	0	313	collect soil sample SB-2 @7.5-10
		10-12.5	48	0	48	
		12.5-15	601	0	601	
		15-17.5	45	0	45	collect soil sample SB-2 @ 15-17.5
		17.5-20	31	0	31	
		20-22.5	0	0	0	
SB-3	6/2/2010	0-2.5	3	0	3	
		2.5-5	7	0	7	
		5-7.5	67	0	67	
		7.5-10	204	0	204	collect soil sample SB-3 @ 7.5-10
		10-12.5	71	0	71	
		12.5-15	15	0	15	
		15-17.5	26	0	26	
		17.5-20	42	0	42	
SB-4	6/2/2010	0-2.5	0	0	0	
		2.5-5	0	0	0	
		5-7.5	8	0	8	
		7.5-10	6	0	6	
		10-12.5	42	0	42	
		12.5-15	84	0	84	
		15-17.5	12,784	0	12,784	collect soil sample SB-4 @ 15-17.5
		17.5-20	48	0	48	
		20-22.5	0	0	0	
SB-5	6/2/2010	0-2.5	0	0	0	
		2.5-5	0	0	0	
		5-7.5	0	0	0	
		7.5-10	0	0	0	
		10-12.5	0	0	0	
		12.5-15	0	0	0	
		15-17.5	0	0	0	
		17.5-20	0	0	0	
SB-6	6/3/2010	0-2.5	0	0	0	
		2.5-5	0	0	0	
		5-7.5	0	0	0	
		7.5-10	7	0	7	
		10-12.5	78	0	78	
		12.5-15	3	0	3	
		15-17.5	6	0	6	
17.5-20	4	0	4			

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Facility Name: Union County Property

Facility ID#: 63/8517147

SAMPLE			OVA SCREENING RESULTS			COMMENTS
BORING NO.	DATE COLLECTED	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB-7	6/3/2010	0-2.5	0	0	0	
		2.5-5	0	0	0	
		5-7.5	0	0	0	
		7.5-10	0	0	0	
		10-12.5	0	0	0	
		12.5-15	0	0	0	
		15-17.5	0	0	0	
		17.5-20	0	0	0	
		20-22.5	0	0	0	
SB-8	6/3/2010	0-2.5	0	0	0	
		2.5-5	0	0	0	
		5-7.5	0	0	0	
		7.5-10	0	0	0	
		10-12.5	0	0	0	
		12.5-15	0	0	0	
		15-17.5	0	0	0	
		17.5-20	0	0	0	
SB-9	6/3/2010	0-2.5	0	0	0	
		2.5-5	0	0	0	
		5-7.5	0	0	0	
		7.5-10	0	0	0	
		10-12.5	0	0	0	
SB-10	6/3/2010	0-2.5	0	0	0	
		2.5-5	0	0	0	
		5-7.5	0	0	0	collect soil sample SB-10 @ 5-7.5
		7.5-10	0	0	0	
		10-12.5	0	0	0	
		12.5-15	0	0	5	
SB-11	6/3/2010	0-2.5	0	0	0	
		2.5-5	0	0	0	
		5-7.5	8	0	8	
		7.5-10	196	0	196	
		10-12.5	8	0	8	
		12.5-15	13	0	13	
SB-12	6/3/2010	0-2.5	0	0	0	
		2.5-5	0	0	0	
		5-7.5	10	0	10	
		7.5-10	8	0	8	
		10-12.5	10	0	10	
		12.5-15	19	0	19	
SB-13	6/3/2010	0-2.5	17	0	17	
		2.5-5	978	0	978	
		5-7.5	861	0	861	collect soil sample SB-13 @ 5-7.5
		7.5-10	29	0	29	
		10-12.5	36	0	36	
		12.5-15	38	0	38	

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Facility Name: Union County Property

Facility ID#: 63/8517147

SAMPLE			OVA SCREENING RESULTS			COMMENTS
BORING NO.	DATE COLLECTED	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB-14	6/3/2010	0-2.5	0	0	0	
		2.5-5	65	0	65	
		5-7.5	38	0	38	
		7.5-10	1,267	0	1,267	
		10-12.5	63	0	63	
		12.5-15	12	0	12	
SB-15	6/3/2010	0-2.5	1.2	0	0	
		2.5-5	0	0	0	
		5-7.5	34	0	34	
		7.5-10	21	0	21	
		10-12.5	16	0	16	
		12.5-15	4	0	4	
SB-16	2/11/2019	0-2	1.2	0	1.2	
		2-4	80.3	0.8	79.5	
		4-6	1,942	3.1	1938.9	collect soil sample SB-16 @ 4-6'
		6-8	25	1.6	23.4	
		8-10	13.1	3.2	9.9	
		10-12	61.3	17.6	43.7	
SB-17	2/11/2019	0-2	13.7	2.6	1.1	
		2-4	797.8	20	777.8	collect soil sample SB-17 @ 2-4'
		4-6	210.7	14	196.7	
		6-8	7	-	7	
		8-10	93.7	32.4	61.3	
		10-12	27.9	35	-7.1	
SB-18	2/11/2019	0-2	54.4	20.9	33.5	
		2-4	1,632	23.9	1,608.1	
		4-6	3,418	34.3	3,383.7	collect soil sample SB-18 @ 4-6'
		6-8	209.7	29.5	180.2	
		8-10	58	44.5	13.5	
		10-12	24.1	24	0.1	
SB-19	2/11/2019	0-2	9.3	-	9.3	
		2-4	5.2	-	5.2	
		4-6	1,045	1.9	1,043.1	collect soil sample SB-19 @ 4-6'
		6-8	1,401	2.7	1,398	
		8-10	14.9	5.1	9.8	
		10-12	31.9	4.5	27.4	
SB-20	2/11/2019	0-2	2.8	-	2.8	
		2-4	2.4	-	2.4	
		4-6	5.9	-	5.9	
		6-8	545	28.2	516.8	collect soil sample SB-20 @ 6-8'
		8-10	328.6	35.9	292.7	
		10-12	>3,435	21.9	>3,435	
SB-21	2/11/2019	0-2	0	-	0	collect soil sample SB-21 @ 0-2'
		2-4	0	-	0	
		4-6	0	-	0	
		6-8	0	-	0	
		8-10	0	-	0	
		10-12	27.9	0.7	27.2	

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Facility Name: Union County Property

Facility ID#: 63/8517147

SAMPLE			OVA SCREENING RESULTS			COMMENTS
BORING NO.	DATE COLLECTED	SAMPLE INTERVAL (FBL)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB-22	2/11/2019	0-2	1.9	-	1.9	collect soil sample SB-22 @ 0-2'
		2-4	92.1	57.2	34.9	
		4-6	229.3	62	164.3	
		6-8	29.5	27.1	2.4	
		8-10	9.3	-	9.3	
		10-12	9.5	-	9.5	

Notes: OVA = Organic Vapor Analyzer  
 fbls = Depths in feet below land surface  
 ppm = Parts per million

**TABLE 2: SOIL ANALYTICAL SUMMARY**

Facility Name: Union County Property

Facility ID#: 63/8517147

Sample			OVA	Laboratory Analysis																
Location	Sample Interval	Date	OVA	Benzene	Toluene	Ethyl benzene	Total Xylenes	MTBE	Naphthalene	1-Methyl naphthalene	2-Methyl naphthalene	Anthracene	Benzo [a] anthracene	Benzo [a] pyrene	Chrysene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	TRPH
FDEP Leachability SCTL (mg/Kg)			0.007	0.5	0.6	0.2	0.09	1.2	3.1	8.5	2500	0.8	8	77	1200	160	250	880	340	
SB-2	2.5-5	6/2/2010	7,548	<b>0.031 U</b>	0.072 U	<b>7.1</b>	<b>1.5</b>	0.053 U	0.068	0.038	0.077	0.0027 U	0.0024 U	0.0024 U	0.0044 U	0.0033 U	0.0027 U	0.0032 I	0.0034 U	5.5 U
SB-2	7.5-10	6/2/2010	313	<b>0.029 I</b>	0.030 U	0.49	0.035 U	0.022 U	0.036	0.022 I	0.028	0.0030 U	0.0026 U	0.0026 U	0.0048 U	0.0036 U	0.0030 U	0.0040 I	0.0037 U	6.1 U
SB-2	15-17.5	6/2/2010	45	0.0025 I	0.00059 U	0.0021 I	0.00070 U	0.0041 I	0.0029 U	0.0058 U	0.0094 U	0.0033 U	0.0029 U	0.0029 U	0.0053 U	0.0040 U	0.0033 U	0.0037 U	0.0041 U	6.6 U
SB-3	7.5-10	6/2/2010	204	<b>0.013 U</b>	0.030 U	0.12 I	0.035 U	0.022 U	0.012 I	0.015 I	0.024	0.0030 U	0.0026 U	0.0026 U	0.0047 U	0.0035 U	0.0030 U	0.0033 U	0.0037 U	11 I
SB-4	15-17.5	6/2/2010	12,784	<b>0.029 U</b>	0.066 U	0.43 I	<b>7.8</b>	0.049 U	0.58	0.40	1.0	0.0029 U	0.0026 U	0.0026 U	0.0047 U	0.0035 U	0.0029 U	0.0049	0.0036 U	160
SB-10	5-7.5	6/2/2010	0	0.00023 U	0.00054 U	0.00028 U	0.00064 U	0.00040 U	0.0027 I	0.0052 U	0.0084 U	0.0029 U	0.0026 U	0.0026 U	0.0047 U	0.0035 U	0.0029 U	0.0033 U	0.0037 U	6.0 U
SB-13	5-7.5	6/2/2010	861	<b>0.012 U</b>	0.028 U	0.15 I	0.033 U	0.021 U	0.51	0.63	1.4	0.011	0.011	0.0048	0.0076	0.014	0.013	0.046	0.023	5.9 U
SB-16	4-6	2/11/2019	1,938.9	0.00032 U	0.00050 U	0.00041 U	0.0012 U	0.00046 U	0.0060 U	0.0033 U	0.0033 U	0.0024 U	0.0026 U	0.0025 U	0.0026 U	0.0023 U	0.0029 U	0.0023 U	0.0022 U	19 I
SB-17	2-4	2/11/2019	777.8	0.00029 U	0.00045 U	0.00037 U	0.0011 U	0.00042 U	0.0062 U	0.0035 U	0.0035 U	0.0025 U	0.0028 U	0.0026 U	0.0028 U	0.0024 U	0.0030 U	0.0024 U	0.0022 U	37
SB-18	4-6	2/11/2019	3,383.7	0.00050 U	0.0018 I	<b>0.98</b>	0.012	0.00072 U	0.15	0.21	0.40	0.0034 I	0.0026 U	0.0024 U	0.0026 U	0.0076 I	0.0060 I	0.022	0.011	31
SB-19	4-6	2/11/2019	1,043.1	0.00030 U	0.00053 I	0.00038 U	0.0011 U	0.00043 U	0.0060 U	0.020	0.035	0.0024 U	0.0026 U	0.0024 U	0.0026 U	0.0043 I	0.0029 U	0.012	0.0056 I	22
SB-20	6-8	2/11/2019	516.8	0.00038 U	0.00058 U	0.00048 U	0.0014 U	0.00055 U	0.0060 U	0.0033 U	0.0033 U	0.0024 U	0.0044 I	0.0039 I	0.0044 I	0.0052 I	0.0029 U	0.0023 U	0.0049 I	20
SB-21	0-2	2/11/2019	0	0.00034 U	0.00052 U	0.00043 U	0.0012 U	0.00049 U	0.0065 U	0.0036 U	0.0036 U	0.0026 U	0.0027 U	0.0025 U	0.0027 U	0.0025 U	0.0031 U	0.0025 U	0.0023 U	17 I
SB-22	0-2	2/11/2019	1.9	0.00046 I	0.00088 I	0.0037	0.0012 I	0.0043	0.0061 U	0.0034 U	0.0034 U	0.0024 U	0.0026 U	0.0024 U	0.0026 U	0.0023 U	0.0030 U	0.0024 U	0.0022 U	13 I

Analytical Results reported in milligrams per kilograms

OVA Results reported in parts per million

Sample Interval = feet below land surface

SCTL's = Soil Cleanup Target Levels from Chapter 62-777, F.A.C.

**Bold indicates reported concentration exceeded SCTLs based on leachability**

U = Indicates the compound was analyzed for but not detected.

I = Indicates the reported value is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit (PQL).

**TABLE 3: GROUNDWATER ELEVATION SUMMARY**

Facility Name: Union County Property

Facility ID#: 63/8517147

WELL NO.	MW-335	MW-445	MW-455	MW-465	MW-475	MW-485						
DIAMETER	2	2	2	2	2	2						
WELL DEPTH	15	25	24	25	20	25						
SCREEN INTERVAL	5-15	15-25	14-24	15-25	10-20	15-25						
TOC ELEVATION	143.43	143.71	145.50	145.23	144.65	146.02						
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
9/21/2009	132.50	10.93		132.58	11.13							
2/16/2010	134.06	9.37		134.11	9.60							
5/20/2010	132.66	10.77		132.68	11.03		132.98	12.25		132.66	11.99	
8/23/2011	130.83	12.60		130.79	12.92					130.85	13.80	
10/21/2011	132.14	11.29		132.15	11.56					132.18	12.47	
3/15/2012	129.08	14.35		128.96	14.75		129.20	16.03		129.08	15.57	
11/5/2012	133.63	9.80										
5/22/2013	133.67	9.76		133.72	9.99		134.38	10.85		133.71	10.94	
9/5/2013	134.98	8.45		134.93	8.78		135.43	9.80		134.91	9.74	
12/6/2013	131.72	11.71		131.58	12.13							
3/3/2014	134.73	8.70		134.79	8.92							
5/28/2014	134.87	8.56		134.68	9.03							
10/15/2014	135.38	8.05		135.12	8.59					135.05	9.60	
4/15/2015	135.05	8.38		134.31	9.40					134.25	10.40	
10/13/2015	135.41	8.02		134.46	9.25					134.38	10.27	
9/25/2017	138.72	4.71		136.30	7.41					136.18	8.47	
1/3/2018	134.55	8.88		134.43	9.28					134.43	10.22	
4/3/2018	134.51	8.92		134.19	9.52					134.13	10.52	
2/13/2019	136.86	6.57		135.70	8.01					135.58	9.07	
2/24/2020	135.72	7.71		132.00	11.71					132.01	12.64	
10/1/2020	136.22	7.21		134.87	8.84					134.81	9.84	
7/1/2021	135.69	7.74		136.54	7.17					136.36	8.29	
10/20/2021	136.58	6.85		134.05	9.66					133.91	10.74	
1/26/2022	135.34	8.09		133.38	10.33					133.36	11.29	
4/26/2022	134.70	8.73		134.43	9.28					134.27	10.38	

WELL NO.	MW-525	MW-535	MW-545	MW-331	MW-355	MW-745						
DIAMETER	2	2	2	2	2	2						
WELL DEPTH	18	18	17	48	19	20.00						
SCREEN INTERVAL	8-18	8-18	7-17	38-48	9-19	5-20						
TOC ELEVATION	146.59	146.00	146.32	143.40	143.22	143.10						
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
9/21/2009												
2/16/2010												
5/20/2010	135.84	10.75		139.00	7.00		141.24					
8/23/2011										130.57	12.65	
10/21/2011										131.84	11.38	
3/15/2012	130.71	15.88					122.73	20.67		128.73	14.49	
5/22/2013										133.37	9.85	
9/5/2013										134.51	8.71	
12/6/2013										131.22	12.00	
3/3/2014										134.11	9.11	
5/28/2014										134.24	8.98	
10/15/2014							128.69	14.71		134.78	8.44	
4/15/2015							127.92	15.48		133.91	9.31	
10/13/2015							128.02	15.38		134.19	9.03	
9/25/2017							130.02	13.38		135.91	7.31	
1/3/2018							128.32	15.08		133.97	9.25	
4/3/2018							127.72	15.68		133.79	9.43	
2/13/2019							129.76	13.64				
2/24/2020							125.53	17.87				
10/1/2020							127.88	15.52				
7/1/2021	139.47	7.12										
10/20/2021	137.31	9.28										
1/26/2022	136.71	9.88										
4/26/2022	137.70	8.89										

Notes: All Measurements = Feet  
 NM = Not Measured  
 CNL = Cannot Locate  
 No Data = Blank  
 FP = Free Product Well  
 MW = Monitoring Well  
 DTW = Depth to Water  
 NI = Not Installed

**TABLE 4: GROUNDWATER ANALYTICAL SUMMARY**

Facility Name: Union County Property

Facility ID#: 63/8517147

Sample Location	Date	Benzene	Toluene	Ethyl benzene	Total Xylenes	MTBE	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	TRPH
MW-33S	GCTL (ug/L)	1	40	30	20	20	14	28	28	5,000
	NADC (ug/L)	100	400	300	200	200	140	280	280	50,000
	09/21/09	140	ND(1.2)	220	7.4 I	89	NA	NA	NA	NA
	02/16/10	120	ND(2.4)	210	82	100	NA	NA	NA	NA
	05/20/10	14	0.24 U	2.5	0.68 U	6.7	830	85	36	NA
	08/23/11	75	0.62 I	16	9.1	46	410	52	23	NA
	10/21/11	31	1.6	120 D5	22	21	650	89	90	NA
	03/15/12	DRY								NA
	06/19/12	66	1.2	17	28	53	150 D10	27 D10	27 D10	NA
	11/05/12	44	2.1	140	12	32	910	140	140	NA
	05/22/13	46	4.2	210 D5	13	39	510 D40	88 D40	96 D40	NA
	09/05/13	60 D2	0.59 I,D2	17 D2	20 D2	45 D2	250 D10	66 D10	70 D10	NA
	12/06/13	59	2.0	85	17	37	600	96	83	NA
	03/04/14	65 D5	4.1 I,D5	200 D5	27 D5	50 D5	510 D20	93 D20	100 D20	NA
	05/28/14	90	4.0	140	34	49	580	130	130	NA
	10/15/14	53	5.8	230	24	48	570	97	110	NA
	04/15/15	22	5.8 I	220	8.3 I	30	660	110	120	NA
	10/13/15	18	7.4	240	11	37	670	140	150	NA
	09/25/17	13	11	300	11 U	32	620	120	170	5,200
	01/03/18	20	2.2	43	6.8	31	180	73	73	5,800
04/03/18	8.4	0.84 I	0.43 I	4.0	26	30	18	5.3	5,600	
02/13/19	6.4	6.6	130	9.0	17	770	140	200	5,500	
2/24/20	9.2	7.9	43	21	19	340	92	150	3,000	
10/01/20	10	9.1	100	21	12	470	120	180	3,700	
07/01/21	6.9 I,D10	4.9 U,D10	250 D10	11 U,D10	50 D10	810,000 D10,000	250,000 D10,000	240,000 D10,000	8,900	
10/20/21	9.0 D50	24 U,D50	280 D50	53 U,D50	12 U,D50	1,600 D10	250	380	8,400	
01/26/22	8.6 I,D10	18 D10	300 D10	27 D10	10 D10	740 D10	130	200	5,900	
04/26/22	9.9	20	260 D20	27	12	620 D10	82	120	4,000	
08/23/11	0.28 U	0.24 I	0.25 U	0.68 U	0.21 U	0.022 U	0.022 U	0.022 U	NA	
10/21/11	0.28 U	0.24 I	0.25 U	0.68 U	0.21 U	0.023 U	0.022 U	0.023 U	NA	
03/15/12	0.52 I	0.24 U	0.25 U	0.68 U	0.32 I	0.79	0.12 I	0.083 I	NA	
06/19/12	0.13 U	0.14 U	0.16 U	0.44 U	0.13 U	0.023 U	0.022 U	0.023 U	NA	
05/22/13	0.13 U	0.14 U	0.16 U	0.44 U	0.13 U	NA	NA	NA	NA	
09/05/13	0.13 U	0.14 U	0.16 U	0.44 U	0.13 U	NA	NA	NA	NA	
12/06/13	0.13 U	0.14 U	0.16 U	0.44 U	0.13 U	NA	NA	NA	NA	
03/04/14	0.50 U	0.51 U	0.44 U	0.50 U	0.44 U	NA	NA	NA	NA	
05/28/14	0.50 U	0.51 U	0.44 U	0.50 U	0.44 U	NA	NA	NA	NA	
10/15/14	0.21 U	0.23 U	0.24 U	0.53 U	0.32 U	NA	NA	NA	NA	
04/15/15	0.21 U	0.23 U	0.24 U	0.53 U	0.32 U	NA	NA	NA	NA	
10/13/15	0.21 U	0.23 U	0.24 U	0.53 U	0.32 U	NA	NA	NA	NA	
09/25/17	0.18 U	0.49 U	0.38 U	1.1 U	0.24 U	0.19 U	0.20 U	0.20 U	600 U	
09/21/09	9.9	0.31 I	0.30 I	ND(0.68)	2.4	NA	NA	NA	NA	
02/16/10	38	2	55	8	4	NA	NA	NA	NA	
05/20/10	12	0.24 U	4.7	0.68 U	1.7	8.4	3.1	0.019 U	NA	
08/23/11	72	7.6	92	32	12	68	20	24	NA	
10/21/11	38	4.0 I	66	20	7.6 I	69	23	21	NA	
03/15/12	65	7.0	110	52	11	74	20	18	NA	
06/19/12	39	12	110 D5	120	7.6	47 D4	16 D4	21 D4	NA	
05/22/13	3.7	0.14 U	0.29 I	0.44 U	1.3	4.3	0.56	0.075 I	NA	
09/05/13	2.0	0.14 U	0.24 I	0.44 U	1.5	2.7	0.24	0.042 I	NA	
12/06/13	1.2	0.14 U	0.25 I	0.44 U	1.2	8.5	0.66	0.14 I	NA	
03/04/14	1.4	0.51 U	0.65 I	0.50 U	0.44 U	4.9	0.81	0.27	NA	
05/28/14	2.7	0.51 U	1.8	0.50 U	0.44 U	6.0	0.65	0.031 U	NA	
10/15/14	0.21 U	0.23 U	0.24 U	0.53 U	0.75 I	2.9	0.25	0.17 I	NA	
04/15/15	0.34 I	0.23 U	0.24 U	0.53 U	0.32 U	5.6	0.4	.21	NA	
10/13/15	0.63 U	0.69 U	0.72 U	1.6 U	0.96 U	1.3	0.25	0.20	NA	
09/25/17	0.28 I	0.49 U	1.5	1.1 U	0.38 I	3.7	1	0.82	600 U	
01/03/18	0.18 U	0.49 U	0.38 U	1.1 U	0.24 U	4.2	0.29	0.28	990	
04/03/18	0.29 I	0.45 U	0.26 U	0.56 U	0.41 U	6.4	1.4	0.18 U	570 U	
02/13/19	0.20 U	0.45 U	0.42 I	0.56 U	0.41 U	5.9	0.99	0.22 U	670 U	
1995						<b>0.03 ft product</b>				
1997		BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
05/20/10						<b>Could Not Locate</b>				
1993		BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
05/20/10		0.28 U	0.24 U	0.25 U	0.68 U	0.55 I	0.018 U	0.033 U	0.033 U	NA

**TABLE 4: GROUNDWATER ANALYTICAL SUMMARY**

Facility Name: Union County Property

Facility ID#: 63/8517147

Sample Location	Date	Benzene	Toluene	Ethyl benzene	Total Xylenes	MTBE	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	TRPH
		1	40	30	20	20	14	28	28	5,000
NADC (ug/L)		100	400	300	200	200	140	280	280	50,000
1994										
	11/30/06	2.4	30	5.6	29.6	0.81 U	NA	NA	NA	NA
	05/20/10	0.28 U	0.24 U	0.25 U	0.68 U	1.1	0.016 U	0.030 U	0.017 U	NA
	08/23/11	0.28 U	0.24 U	0.25 U	0.68 U	1.9	0.022 U	0.021 U	0.022 U	NA
	10/21/11	0.28 U	0.24 U	0.25 U	0.68 U	1.5	0.023 U	0.022 U	0.023 U	NA
	03/15/12	0.28 U	0.24 U	0.25 U	0.68 U	1.7	0.022 U	0.021 U	0.022 U	NA
MW-475	06/19/12	0.13 U	0.14 U	0.16 U	0.44 U	0.70 U	0.023 U	0.022 U	0.023 U	NA
	10/15/14	0.21 U	0.23 U	0.24 U	0.53 U	0.83 U	NA	NA	NA	NA
	04/15/15	0.21 U	0.23 U	0.24 U	0.53 U	0.32 U	NA	NA	NA	NA
	10/13/15	0.21 U	0.23 U	0.24 U	0.53 U	0.68 U	NA	NA	NA	NA
	09/25/17	0.18 U	0.49 U	0.38 U	1.1 U	0.24 U	0.73	0.36	0.57	600 U
	02/13/19	0.18 U	0.49 U	0.38 U	1.1 U	0.41 U	0.21 U	0.22 U	0.21 U	650 U
	02/13/19	0.20 U	0.45 U	0.26 U	0.56 U	0.41 U				
	1992	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
MW-485	05/20/10	Could Not Locate								
	1992	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
MW-525	05/20/10	0.28 U	0.24 U	0.25 U	0.68 U	0.21 U	NA	NA	NA	NA
	1992	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
MW-535	05/20/10	0.28 U	0.24 U	0.25 U	0.68 U	0.21 U	NA	NA	NA	NA
	1992	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
MW-545	05/20/10	0.28 U	0.24 U	0.25 U	0.68 U	0.21 U	NA	NA	NA	NA
	11/14/03	<1	<1	<1	<2	<5	NA	NA	NA	NA
	5/21/10	0.28 U	0.24 U	0.25 U	0.68 U	0.27 U	0.018 U	0.033 U	0.019 U	NA
	8/23/11	0.28 U	0.24 U	0.25 U	0.68 U	0.21 U	0.022 U	0.021 U	0.022 U	NA
	10/23/11	0.28 U	0.24 U	0.25 U	0.68 U	0.21 U	0.023 U	0.022 U	0.023 U	NA
	03/15/12	0.28 U	0.24 U	0.25 U	0.68 U	0.21 U	0.022 U	0.021 U	0.022 U	NA
	06/19/12	0.13 U	0.14 U	0.16 U	0.44 U	0.13 U	0.023 U	0.022 U	0.023 U	NA
MW-331	10/15/14	0.21 U	0.23 U	0.24 U	0.53 U	2.2	NA	NA	NA	NA
	04/15/15	0.21 U	0.23 U	0.24 U	0.53 U	1.3	NA	NA	NA	NA
	10/13/15	0.21 U	0.23 U	0.24 U	0.53 U	1.7	0.050 U	0.041 U	0.044 U	NA
	09/25/17	0.18 U	0.49 U	0.38 U	1.1 U	0.53 U	4.7	0.89	1.2	600 U
	02/13/19	0.20 U	0.45 U	0.38 U	1.1 U	0.41 U	0.20 U	0.21 U	0.20 U	620 U
	2/24/20	0.18 U	0.49 U	0.38 U	1.1 U	0.24 U	0.19 U	0.20 U	0.20 U	600 U
	10/01/20	0.18 U	0.49 U	0.38 U	1.1 U	0.24 U	0.19 U	0.20 U	0.20 U	600 U
	05/22/13	110 D10	1.1	310 D10	230 D10	61	310 D10	61 D10	71 D10	NA
	09/05/13	86	0.33 U	290 D10	140	32	350 D10	73 D10	68 D10	NA
	12/06/13	140 D5	0.77 U	120	5.4	38	270 D10	68 D10	3.3 D10	NA
	03/04/14	93 D5	2.6 U D5	18 D5	2.5 U D5	2.2 U	130 D4	38 D4	2.9 D4	NA
	05/28/14	93	0.51 U	16	4.3	33	28	13	1.5	NA
	10/15/14	100	0.69 U	2.6 U	1.8 U	31	NA	NA	NA	NA
	04/15/15	66	0.69 U	2.3 U	1.6 U	22	NA	NA	NA	NA
	10/13/15	62	2.3 U	3.3 U	5.3 U	22	19	0.22	23	NA
	09/25/17	3.3	0.49 U	3.4	1.6 U	15	22	28	0.23	1,400
MW-745	01/03/18	0.18 U	0.49 U	0.49 U	1.5 U	10	9.4	11	0.88	1,100
	04/03/18	23	0.45 U	25	0.56 U	12	14	24	2.1	1,100
	02/13/19	1.8	0.45 U	3.0	0.56 U	5.2	13	8.9	0.77	1,100
	2/24/20	18	0.49 U	6.4	1.1 U	9.5	NA	NA	NA	NA
	10/01/20	0.18 U	0.49 U	5.9	1.1 U	3.8	NA	NA	NA	NA
	07/01/21	3.4 D10	4.9 U D 10	3.8 U D 10	11 U D10	45 D10	NA	NA	NA	NA
	10/20/21	0.18 U	0.49 U	0.38 U	1.1 U	0.24 U	NA	NA	NA	NA
	01/26/22	0.70 U	0.49 U	0.45 U	1.1 U	0.24 U	NA	NA	NA	NA
	04/26/22	2.8	0.49 U	0.38 U	1.1 U	1.1	NA	NA	NA	NA
SPLP										
SB-18.4-6'	02/11/19	0.18 U	0.49 U	42	1.1 U	0.24 U	NA	NA	NA	NA

Analytical results reported in micrograms per liter

**Bold indicates reported concentration exceeded GCLs**

U = Indicates that the compound was analyzed for but not detected at the quantitation limit. The value associated with the qualifier is the method detection limit.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

D = Dilution Factor

NA = Not Analyzed

\*\* = As provided in Chapter 62-550, F.A.C.

GCLs = Groundwater Cleanup Target Levels from Chapter 62-777, F.A.C.

NADCs = Natural Attenuation Default Concentrations from Chapter 62-777, F.A.C.

SPLP = Synthetic Precipitation Leaching Procedure

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**RECEIVED**

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DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

**TANK CLOSURE ASSESSMENT**

**RECEIVED**

DEC 22 1998

**UNION COUNTY HEALTH DEPT.**

Prepared for:

**HARRIETT MAINES**  
Lake Butler, Florida

Prepared by:

**AAG Environmental**  
Newberry, Florida

Project No. 98-124

December, 1998

## 1.0 INTRODUCTION

AAG Environmental (AAG) completed a Tank Closure Assessment in conjunction with the removal of two 550-gallon underground storage tanks (USTs) from a property identified in the Florida Department of Environmental Protection (FDEP) Stationary Tank Inventory (STI) database as Shell-Welchs, which is located in Lake Butler, Union Taylor County, Florida (see attached site layout). The STI report for this site indicated that two tanks were located on this site, a 500-gallon tank for kerosene and a 200-gallon tank for waste oil storage. Both tanks were found to be 550-gallon tanks upon removal. The closure assessment was completed in accordance with Chapter 62-761.800 of the Florida Administrative Code (FAC). Copies of all regulatory forms and a copy of the STI report are included as Appendix A.

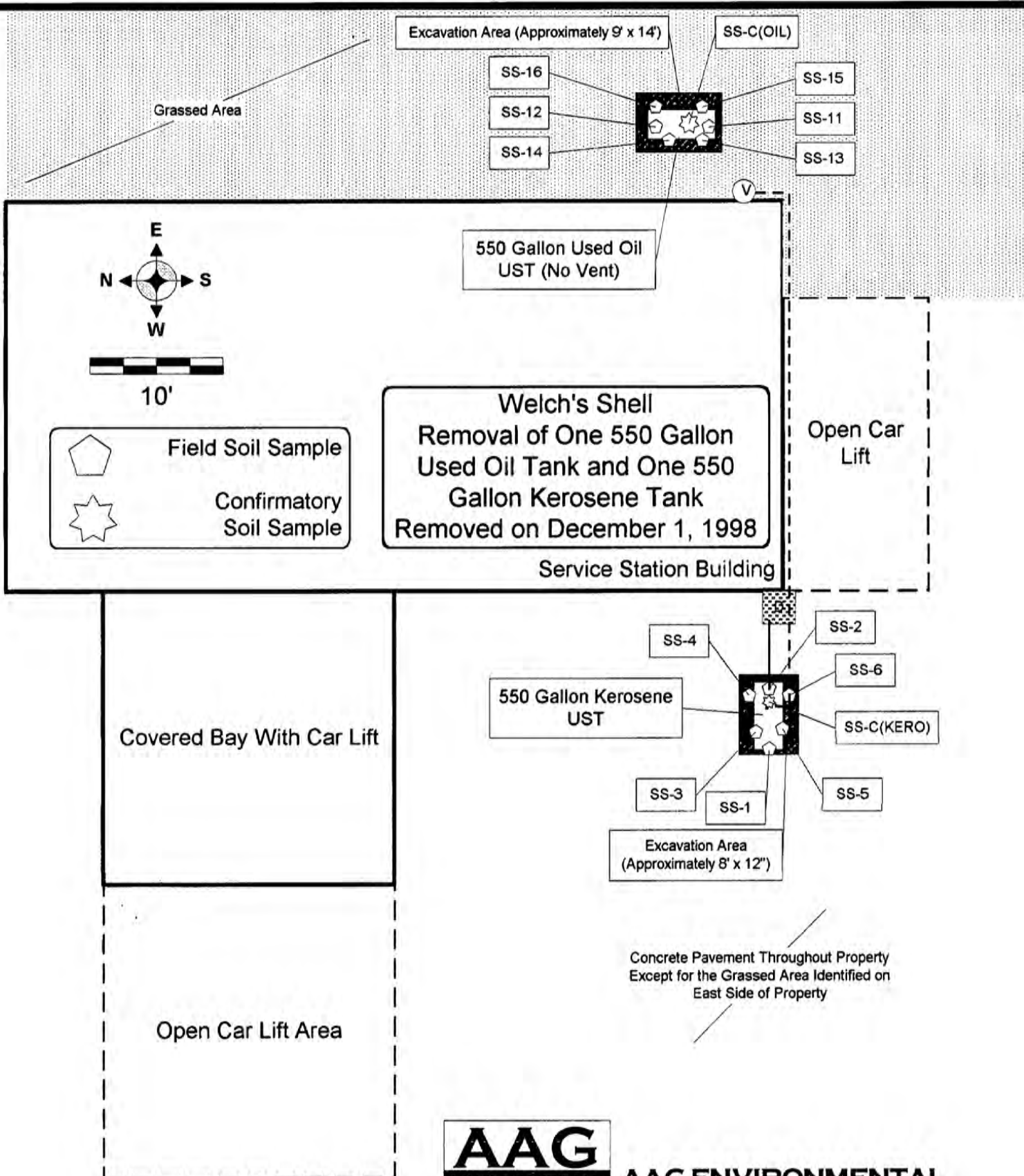
## 2.0 SITE ASSESSMENT

All liquids in both tanks had been removed prior to tank removal. On December 1, 1998, a representative of Southway Industrial Services, Inc., the certified pollutant storage system specialty contractor (license number PCCO 49507), removed the kerosene tank from the site and disposed of it in the required manner. At the operator's request, and with the concurrence of the local county representative, the 550 gallon waste oil tank was left on-site as an aboveground waste oil storage tank. The tanks were carefully inspected upon removal for signs of corrosion. Both tanks were found to be in excellent condition, and no evidence of leakage was identified.

Approximately four (4) cubic yards of soil were removed during the excavation of the kerosene tank, while about 11 yards of soil were removed during the excavation of the waste oil tank. During excavation, the excavated soil was periodically screened to ensure that no petroleum product was present in the soil. Following the removal of the tanks by the licensed contractor, soil samples were collected from within the excavations, after which the excavated soil was returned to the excavation as clean backfill. A total of six soil samples were collected for screening from each excavation (see attached site layout). Because the distance between the kerosene dispenser and the tank source was less than 20 feet, no soil samples were collected for screening. The dispenser line was disconnected and capped as part of the closure. In accordance with FAC 62-771.200(2), these soil samples underwent headspace analysis using a Foxboro Model 128, an organic vapor analyzer with a flame ionization detector (OVA-FID). As shown in Table 1, none of the samples exhibited any significant evidence of contamination. Because groundwater is known to be contaminated in this area and this property is surrounded by and is part of a groundwater remediation process, no groundwater sample was collected. A confirmatory soil sample was collected from the location of the greatest OVA reading in each excavation and sent to a certified laboratory for analysis. The results of this analysis do not evidence any significant presence of petroleum products, as xylene, naphthalene and 2-methylnaphthalene were found at levels below 200 µg/kg soil (0.2 ppm) and total petroleum hydrocarbons at 12 ppm (see Appendix B).

### 3.0 CONCLUSION.

Two 550-gallon USTs were removed from a site in Lake Butler, Florida by Southway Industrial Services, Inc. One of the tanks was reported as a 200-gallon tank on the Stationary Tank Index list. The tanks were reported to have contained waste oil and kerosene. None of the soil samples collected from the tank areas were found to contain any significant evidence of contamination with petroleum hydrocarbons. All regulatory forms are included as Appendix A, and the analytical results of the confirmatory sample are included as Appendix B.



**AAG ENVIRONMENTAL**  
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**TABLE 1****Welch's Shell**

December 1, 1998

Tank Area Soil Borings to Delineate Extent of Contamination

**Total Organic Vapor Analyzer Readings**

SAMPLE NO.	TIME	DEPTH BELOW LAND SURFACE	UNFILTERED	FILTERED	TOTAL PPM
SS-1	3:47 pm	4 feet	0 ppm	NA	0 ppm
SS-2	3:48 pm	4 feet	25 ppm	0 ppm	25 ppm
SS-3	3:49 pm	4 feet	0 ppm	NA	0 ppm
SS-4	3:50 pm	4 feet	0 ppm	NA	0 ppm
SS-5	3:51 pm	4 feet	0 ppm	NA	0 ppm
SS-6	3:52 pm	4 feet	0.9 ppm	0 ppm	0.9 ppm
SS-11	5:34 pm	6 feet	1.1 ppm	NA	1.1 ppm
SS-12	5:35 pm	6 feet	1.8 ppm	NA	1.8 ppm
SS-13	5:36 pm	6 feet	0 ppm	NA	0 ppm
SS-14	5:37 pm	6 feet	11 ppm	0 ppm	11 ppm
SS-15	5:38 pm	6 feet	0.4 ppm	NA	0.4 ppm
SS-16	5:39 pm	6 feet	0.3 ppm	NA	0.3 ppm
Confirm-kero	pm	4 feet	12 mg/kg 0.11 mg/kg 0.18 mg/kg 0.016 mg/kg	PHS naphthalene 2-methyl naphthalene xylenes	
Confirm-woil		6 feet	NA	NA	

**APPENDIX G – QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL**

**ROBERT L. NEWBOLD III**  
**PROJECT GEOLOGIST**

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Mr. Newbold has 18 years of experience as an environmental consultant, and serves as a Project Geologist with PPM. Mr. Newbold declares that to the best of his professional knowledge and belief, he meets the definition of *Environmental Professional* as defined in §3.12.10 of 40 CFR 312, to wit: Mr. Newbold earned a Bachelor of Science in Geology from the University of Alabama in 2001.

Since January 2002, Mr. Newbold has performed and managed over 600 Phase I and Phase II Environmental Site Assessments (ESA) in eight southeastern states that were conducted at a variety of facilities including: gasoline stations, auto shops, auto dealerships, printers, dry cleaners, bulk terminals, tannery facilities, light and heavy manufacturing factories, office/warehouses, high-rise office buildings, hotels, hospitals and medical offices, former military airfields, military bases, private airports, private and public schools, apartment complexes, city-owned housing projects, strip shopping centers and malls, agricultural land, large and small tract timberlands, and EPA-funded brownfields sites. Mr. Newbold has acted as an *Environmental Professional* in the performance of Phase I and II ESAs in 8 states with emphasis on EPA Region 4. Mr. Newbold has worked for and/or to satisfy the requirements of users, stakeholders, and regulators including owners, purchasers, banks, lawyers, brokers, other consultants, cities, counties, councils of government, state and local regulatory agencies, HUD, DOE, DOD, SBA, FEMA and the EPA.

Mr. Newbold has been using the ASTM E 1527 Standard Practice for Phase I ESAs and the All Appropriate Inquiry (AAI) Rule since these standards were first published in 1993 and 2005.

Mr. Newbold is also proficient with non-ASTM scope items including asbestos-containing building materials, radon, lead-based paint, mold, wetlands, historical resources, and the National Environmental Policy Act (NEPA) of 1969. Mr. Newbold also has remediation experience including the use of technologies such as dual-phase vacuum extraction, soil vapor extraction, enhanced bioremediation, excavation, and natural attenuation.

**GREGORY P. STOVER, P.G.**  
**SENIOR TECHNICAL CONSULTANT**

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Mr. Stover has 37 years of experience as a geologist, and serves as a Senior Technical Consultant with PPM. Mr. Stover declares that to the best of his professional knowledge and belief, he meets the definition of *Environmental Professional* as defined in §3.12.10 of 40 CFR 312, to wit: Mr. Stover earned a Bachelor of Science in Geology from Auburn University in 1979; has held a current Professional Geologist's license from a state since 1989 (Florida, Arkansas, Louisiana, Alabama, and Mississippi); and has 30 years of full-time relevant experience.

Since January 1988, Mr. Stover has performed, managed, supervised, and provided QA/QC reviews for several thousand Phase I and Phase II Environmental Site Assessments (ESA) conducted at a variety of facilities including gasoline stations, auto shops, auto dealerships, soda bottling plants, printers, dry cleaners, indoor and outdoor shooting ranges, paper mills, cotton gins, bulk terminals, oil and gas production fields, wood treatment facilities, asphalt plants, quarries and mines, light and heavy manufacturing factories, railroad terminals, roundhouses, tracks, and spurs, office/warehouses, high-rise office buildings, hotels, hospitals and medical offices, Research & Development facilities, aerospace facilities, former military airfields, private airports, private and public schools, apartment complexes, city-owned housing projects, strip shopping centers and malls, agricultural land, large and small tract timberlands, and EPA-funded brownfields. Mr. Stover has acted as an *Environmental Professional* in the performance of Phase I and II ESAs in 25 states with emphasis on EPA Regions 4 and 6. Mr. Stover has worked for and/or to satisfy the requirements of users, stakeholders, and regulators including owners, purchasers, banks, lawyers, brokers, other consultants, cities, parishes/counties, councils of government, state and local regulatory agencies, HUD, DOE, DOD, SBA, FEMA and the EPA. Mr. Stover applies his expertise in hydrogeology, organic chemistry, and chemical fate and transport to his extensive list of projects involving the assessment and remediation of petroleum products and hazardous substances including gasoline, diesel, bunker oil, polynuclear aromatic compounds, coal tar, heavy metals, PCBs, herbicides, pesticides, and chlorinated solvents.

Mr. Stover has been responsible for developing standard field forms, report formats, and training to support the company-wide use of the ASTM E 1527 Standard Practice for Phase I ESAs and the All Appropriate Inquiry (AAI) Rule since these standards were first published in 1993 and 2005. Mr. Stover is a member of ASTM Committee E50.

Mr. Stover is also proficient with non-ASTM scope items including asbestos-containing building materials, radon, lead-based paint, mold, wetlands, historical resources, and the National Environmental Policy Act (NEPA) of 1969. Mr. Stover also has extensive remediation experience including the use of technologies such as dual-phase vacuum extraction, air sparging, soil vapor extraction, ozone sparging, enhanced bioremediation, excavation, solidification and stabilization, land farming, natural attenuation, and risk assessment.

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