CONTAMINATION SCREENING EVALUATION REPORT

Florida Department of Transportation

District One

S.R. 70 Project Development & Environment Study

from Jefferson Avenue to C.R. 29

Financial Management Number: 414506-1-22-01

Highlands County, Florida

ETDM Number: 3054

June 2026

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated May 26, 2022, and executed by the Federal Highway Administration and FDOT.

Executive Summary

The Florida Department of Transportation (FDOT) is conducting a Project Development and Environment (PD&E) study to evaluate options for widening State Road (SR) 70 in Highlands County. The project limits cover approximately 7 miles of S.R. 70 beginning west of Jefferson Avenue/Placid Lakes Boulevard (Milepost (MP) 10.217) and ending at County Road (C.R.) 29 (MP 17.245). This study includes the evaluation of the preferred mainline alternative and fifteen preferred drainage sites. Additional right-of-way (ROW) is anticipated for the mainline and drainage sites. This report was revised based on FDOT comments received on June 2, 2026.

The project will widen the existing two-lane undivided roadway to a four-lane divided roadway. Project construction will include wildlife crossing features, roadway signing and pavement markings, a shared use path, and the construction of stormwater management facilities, including treatment ponds and floodplain compensation sites.

This Contamination Screening Evaluation Report (CSER) was performed in accordance with the Contamination Chapter of the FDOT's PD&E Manual. The purpose of this report is to present the findings of a Level I contamination screening for the proposed improvements; to identify, review, and evaluate known or potential contamination issues; to provide risk ratings for properties, facilities, or sites that have the potential for contamination involvement with the proposed improvements; and to present recommendations for further evaluation when needed. For purposes of this report, the project study area includes the limits of the mainline, drainage sites and FDOT recommended search distances.

CSERs were previously completed during the PD&E phase. Since that time, the concept has changed. Therefore, this report presents the contamination screening results for the current concept while also considering the findings presented in the earlier PD&E phase CSERS.

A total of forty-two contamination sites were evaluated. Based on the methodologies detailed herein, the following risk ratings were assigned to contamination sites identified along the project mainline:

Number of Mainline Sites per Risk Rating

High	Medium	Low	No	Total
2	18	16	6	42

The following table presents a summary of the risk ratings for all fifteen preferred drainage sites:

Drainage Site Risk Ratings

High	Medium	Low	No	Total
0	13	2	0	15

Based on the conclusions of this study and the risk ratings noted above, the following recommendations are made:

- Additional information may become available or site-specific conditions may change from the time this report was prepared and should be considered prior to acquiring ROW and/or proceeding with roadway construction. If the proposed improvements change, and/or new potential contamination sites have been constructed, this report should be revised and updated to reflect those changes.
- For the locations rated No or Low for contamination, no further action is required. These locations have been determined to have little or no contamination risk to the study area at this time.
- A total of thirty-three locations (twenty contamination sites and thirteen drainage sites) were assigned risk ratings of High or Medium. These locations should be considered for Level II testing in consultation with the District Contamination Impact Coordinator (DCIC) in the design phase.
- Level II testing may include soil borings, monitoring well installation, soil and groundwater sampling, laboratory testing, Organic Vapor Analyzer (OVA) screening, hazardous material surveys, and Ground Penetrating Radar (GPR) surveys. The scope of Level II testing and any construction support will be dependent on final plans, dewatering requirements, and proximity of known or potential contamination impacts identified in this report.
- Once final design plans are available, additional review is recommended in consideration of dewatering operations that may be necessary under the *National Pollutant Discharge Elimination System Generic Permit for Stormwater Discharges from Large and Small Construction Activities*. Verification testing may be warranted for contamination issues within 500 feet of the dewatering area.
- As this project develops, additional file review will be performed (by the FDOT or a subcontractor) for all contamination sites, including any new sites. This is especially true for active gas stations because they are more susceptible to contamination status changes (or risk-rating changes) due to the onsite dispensing operations and a multitude of storage tank system components that have potential to result in new discharges. Other types of facilities which remain active and present similar susceptibility for discharges and contamination status changes include commercial and industrial facilities, and petroleum pipelines.

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1 Introduction

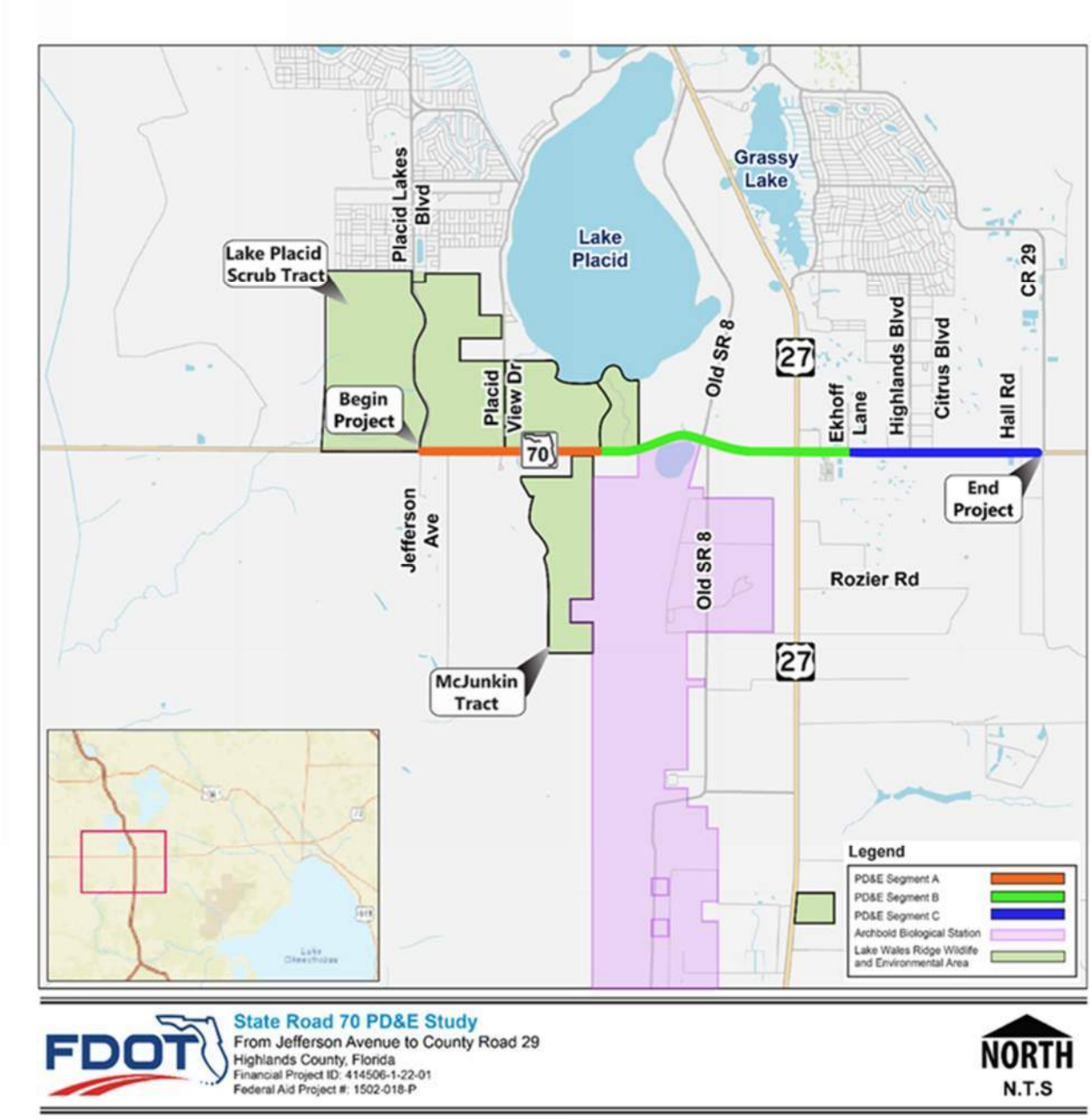
The Florida Department of Transportation (FDOT) is conducting a Project Development and Environment (PD&E) study to evaluate options for widening State Road (SR) 70 in Highlands County. The project limits cover approximately seven miles of S.R. 70, beginning west of Jefferson Avenue/Placid Lakes Boulevard (Mile Post (MP) 10.217) and ending at County Road (C.R.) 29 (MP 17.245). Due to the length of the corridor and differing existing ROW widths, the project was divided into three segments to aid in the description of the corridor, the project limits and segments are shown in **Figure 1-1**. S.R. 70 is a Strategic Intermodal System (SIS) facility with daily truck percentages as high as 33% and it is a designated emergency evacuation route. The PD&E study limits have been divided into two Design segments due to concurrent PD&E and Design phases, with US 27 as the break line. 414506-3 is west of US 27 and 414506-4 is east of US 27.

The objective of this PD&E study is to evaluate widening the existing two-lane undivided roadway to a four-lane divided roadway. Project improvements will include wildlife crossing features, roadway signing and pavement markings, a shared use path, and the construction of stormwater management facilities, including treatment ponds and floodplain compensation sites.

The project was evaluated through FDOT's Efficient Transportation Decision Making (ETDM) process as project #3054. An ETDM Programming Screen Summary Report containing comments from the Environmental Technical Advisory Team (ETAT) was published on July 7, 2016. The ETAT evaluated the project's effects on various social, cultural, natural, and physical resources.

Upon completion, the study will meet all requirements of the National Environmental Policy Act of 1969 (NEPA) as administered for the FDOT by the FDOT Office of Environmental Management (OEM) and the requirements of other federal and state laws to qualify the proposed project for federal-aid funding.

Figure 1-1: Project Location Map



2 Purpose and Need

The purpose of this project is to improve operational conditions for emergency evacuations along the S.R. 70 corridor from Jefferson Avenue to C.R. 29. The Florida Division of Emergency Management (FDEM) Statewide Regional Evacuation Study Program determined the segment of S.R. 70 between United States (US 27) to east of the end project limits at C.R. 29 to be a critical segment with the longest vehicle queues among all roadways in the Central Florida region. The need for the project is based on the following primary and secondary criteria:

PRIMARY CRITERIA

OPERATIONAL CONDITIONS: Improve Operational Capacity for Emergency Evacuations

This widening project is anticipated to improve traffic operations along S.R. 70 where emergency evacuation traffic modeling performed by the FDEM identified the roadway to include a critical segment with highest vehicle queues. Although nearly all roadways will have extended vehicle queues during an emergency evacuation, S.R. 70 from US 27 to east of the end project limit demonstrated evacuation vehicle queues lasting among the longest time periods in the region under multiple evacuation scenarios.

Delay caused by traffic congestion contributes to prolonged clearance times. According to the Florida Statewide Regional Evacuation Study Program, key transportation improvement projects can impact the anticipated evacuation clearance times. The widening of S.R. 70 is anticipated to reduce evacuating vehicle queues and thereby reduce the clearance time during an evacuation by:

- Increasing the capacity of the roadway to accommodate evacuating vehicles, and
- Improving shoulders and roadside slopes to meet current criteria in order to better accommodate removal of disabled vehicles which can obstruct evacuating vehicles during an emergency.

SECONDARY CRITERIA

ROADWAY DEFICIENCIES: Correct Existing Inadequate Cross-Section and Substandard Geometrics

The entire project segment of S.R. 70 is included in Florida's SIS. These facilities generally support major flows of interregional, interstate, and international travel and commerce. Facilities on the SIS are subject to special standards and criteria for number of lanes, design speed, access, level of service and other requirements. For SIS facilities, the minimum design speed is 65 miles per hour (mph) within C1 Natural or C2 Rural context classifications, and 50 mph within a C3C (Suburban Commercial)

context classification. Cross sectional elements and geometrics along the existing S.R. 70 corridor are inadequate for an SIS facility with these context classifications.

The existing S.R. 70 facilities exhibit the following:

- Shoulder widths are required to be a minimum of 10 feet (ft) in width with five-ft paved. Existing S.R. 70 includes substandard eight-foot (ft) shoulders with four-ft paved.
- Front slopes are required at 1:6 or flatter for fill heights up to five-ft. For significant sections of the project limits, S.R. 70 includes existing front slopes steeper than 1:6.
- A clear zone with 36-ft of recoverable terrain free of obstructions is required from through travel lanes. Deficient existing clear zones provide recoverable areas less than 18-ft in some segments.
- An offset of 12-ft is required to guardrail. Existing guardrail offsets are less than seven-ft from the travel lanes.

The improvements to S.R. 70 will widen the existing shoulders, flatten roadside slopes, extend clear zones, and increase offsets to guardrails to meet the respective criteria.

Further, the primary function of SIS highway components is to provide for efficient interregional traffic movements. Access is highly regulated to accommodate high-speed and high-volume facilities that support these movements. FDOT criteria state that controlled access segments of the SIS highway component shall be consistent with Access Class 2 or 3 of the Florida Administrative Code Rule 14-97. These access classifications include restrictive medians which physically prevent vehicle crossings. The widening of S.R. 70 to a four-lane divided facility will introduce a median capable of restricting these movements.

SAFETY: Increase Vehicular Safety

Historical crash data was collected and evaluated as part of this study. Crash data was acquired for the time periods spanning from January 1, 2015 to December 31, 2019, and from January 1, 2020 to October 31, 2022.

For the five-year study period from 2015 through 2019, the crash data collected within the entire PD&E study limits showed a total of 82 crashes, including two (2) fatalities, 35 injury crashes (causing 92 injuries) and 45 property damage only crashes. The project portion from the western terminus near Lightsey Ranch Road to US 27 had 37 crashes and the calculated crash rate of 0.755 per million vehicle miles (MVM) in this section was less than the statewide average crash rate of 0.802 MVM for comparable facilities (6% lower). The portion from US 27 to C.R. 29 had 45 crashes and the calculated crash rate of 1.590 MVM in this section exceeded the statewide average crash rate of 0.802 MVM (98% higher).

For the study period spanning January 1, 2020 – October 31, 2022, the crash data collected within the entire PD&E showed a total of 71 crashes, including nine (9) fatalities, 33 injury crashes (causing 66 injuries) and 33 property damage only crashes. The project portion from the western terminus near

Lightsey Ranch Road to US 27 had 40 crashes and the calculated crash rate of 1.441 MVM in this section exceeded the statewide average crash rate of 0.802 MVM for comparable facilities (80% higher). The section from US 27 to C.R. 29 had 31 crashes and the calculated crash rate of 1.932 MVM in this section exceeded the statewide average crash rate of 0.802 MVM (141% higher).

ECONOMIC DEVELOPMENT: Rural Area of Opportunity

The Governor of the State of Florida pursuant to Florida Statute (FS) Section 228.0656(7) issued Executive Order 11-81 which included Highlands County among six counties identified as the South-Central Rural Area of Critical Economic Concern. The Florida Department of Economic Opportunity, Rural Economic Development Initiative (REDI) established a Sebring Highlands County Catalyst industrial development project adjacent to Sebring Airport in Highlands County. The objective of the project is to create a significant economic effect to the entire region that will result in the development of high-wage and highly skilled jobs.

The REDI Sebring Highlands County Catalyst development is highly consistent with the stated goals for the Florida Strategic Intermodal System which includes strengthening the linkage between transportation and economic development, assisting rural area of opportunity and enhancing economic competitiveness. The catalyst site connects to S.R. 70 via a second SIS highway component, US 27, which intersects S.R. 70 within the project limits. The S.R. 70 corridor is the nearest east-west SIS highway component providing interregional connectivity from the catalyst site directly to both coasts.

As described above, the existing project limits of the S.R. 70 are deficient for multiple criteria governing SIS highway components. Widening improvements to S.R. 70 will enhance its ability to function as an SIS highway component and accomplish SIS objectives for interregional transportation linked to economic development.

3 Project Alternatives

3.1 Existing Facility

3.1.1 Existing Typical Section

S.R. 70 is designated as a rural principal arterial highway, an SIS highway, and an evacuation route throughout the limits of this study. The existing S.R. 70 facility consists of a two-lane undivided roadway with 12-ft travel lanes, five-ft paved shoulders and open roadside ditches within varying existing ROW widths from 45-ft to 214-ft as shown in **Figure 3-1**.

Figure 3-1: Existing Typical Section



The MP ranges along with a description of the existing segment are as follows:

Segment A – MP 10.217 to MP 12.349

Segment A begins at the western project limit at Jefferson Avenue/Placid Lakes Boulevard (MP 10.217) and extends 2.1 miles to approximately 1.18 miles east of Placid View Drive (MP 12.349). The eastern half of Segment A is located within the Lake Placid urban area buffer beginning just west of Placid View Drive and extending 1.2 miles through the eastern limit of the segment. This segment contains a narrow, existing ROW corridor with a width ranging from 60-ft to 66-ft.

The entirety of Segment A runs parallel to the Florida Gas Transmission (FGT) gas pipeline easement, located approximately 30-ft south of the ROW, and to the north by both a Florida Power & Light (FPL) overhead transmission easement and the Lake Wales Ridge Wildlife and Environmental Area (LWRWEA). The properties bordering Segment A are a mix of agricultural, residential, and conservation parcels.

Segment B – MP 12.349 to MP 15.090

Segment B begins approximately 1.18 miles east of Placid View Drive (MP 12.349) and extends 2.7 miles to Ekhoff Lane (MP 15.090). Segment B is typically located within the Lake Placid urban area except for the section from just east of Old S.R. 8 through US 27. This segment contains an existing

ROW corridor with a typical width of 200-ft. There is an approximately 750-ft segment of the roadway located east of US 27 where the existing ROW varies from 164 to 214-ft.

The western end of this segment is bordered to the south by an existing FGT gas pipeline easement. The FGT easement crosses underneath S.R. 70 just west of Nursery Lane and proceeds east along the northern side of S.R. 70 up until the Old S.R. 8 intersection. At Old S.R. 8, the FGT easement once again crosses underneath S.R. 70 and continues south along the southern leg of Old S.R. 8. There are also existing FPL overhead electric transmission lines located along the northern edge of the existing ROW throughout the entirety of the segment.

Segment B is bordered along its northern side by the LWRWEA for approximately 2,000-ft from the beginning segment limits to just west of Nursery Lane. Segment B is also bordered to the south by the Archbold Biological Station from just west of Nursery Lane to the South Central Florida Express (SCFE) railroad crossing (Crossing No. 627642Y).

The western limits of Segment B typically contain a combination of agricultural and conservation parcels while the eastern limits are a combination of residential, agricultural, and industrial parcels. Segment B also contains a major intersection with US 27, which is an SIS component and a designated evacuation route.

Segment C – MP 15.090 to MP 17.245

Segment C begins at Ekhoff Lane (MP 15.090) and extends 2.2 miles to the eastern project limit at C.R. 29 (MP 17.245). Nearly all of Segment C is located within the Lake Placid urban area buffer. The urban buffer limits continue 1.9 miles from the western boundary of the segment to just east of Hall Road. The existing ROW is typically 200-ft in width from Ekhoff Lane through approximately 1,600-ft west of Hall Road (MP 16.691). The existing ROW varies from 45 to 65-ft from MP 16.691 to the end project limit at C.R. 29.

Segment C also contains existing FPL overhead electric transmission lines along the northern edge of the existing ROW from the beginning of the segment limit to approximately 400-ft east of Citrus Boulevard.

The adjacent land use along the north side of Segment C is predominantly low density residential. There is an existing parallel local road network providing access to most of these residential parcels. The adjacent land use along the south side of Segment C is predominantly citrus groves and other agricultural uses.

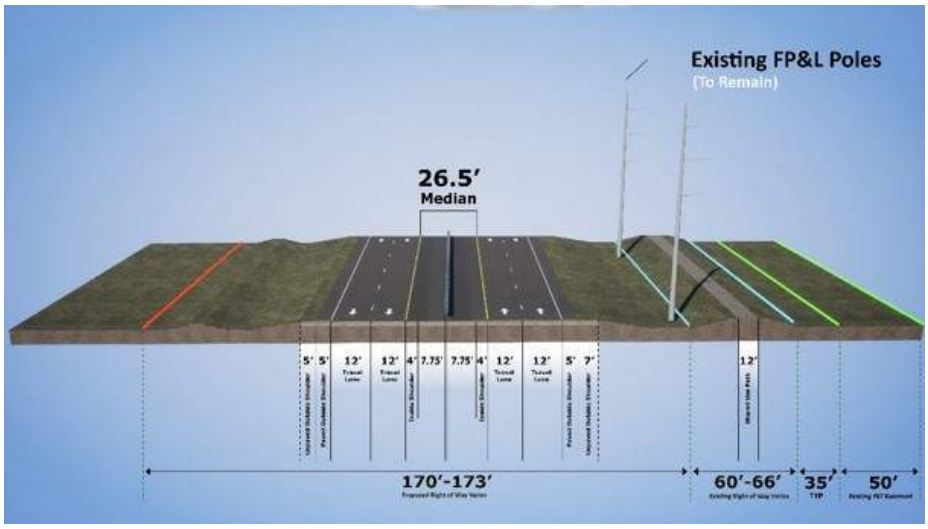
3.2 Proposed Improvements

To meet the Purpose and Need, the Preferred Alternative will widen S.R. 70 from two to four lanes throughout the study limits. A description of the proposed corridor through each segment is provided within the sections below. For more information regarding the old Preferred Alternative please see the *Preliminary Engineering Report* (PER).

3.2.1 Segment A – MP 10.217 to MP 12.349

Segment A is a four-lane typical section with median guardrail that maintains the existing southern S.R. 70 ROW boundary and realigns the roadway to the far north (**Figure 3-2**) to avoid impacting the existing FP&L poles. The typical section consists of a 26.5-ft paved median. The roadway features 12-ft travel lanes, a 12-ft shared use path within the existing ROW, and open roadside ditches/linear stormwater treatment ponds. The design, target, and posted speeds are 65 mph. A median width variation has been approved for this segment. The proposed ROW for this typical section varies from 170 to 173-ft.

Figure 3-2: Segment A Preferred Alternative Typical Section

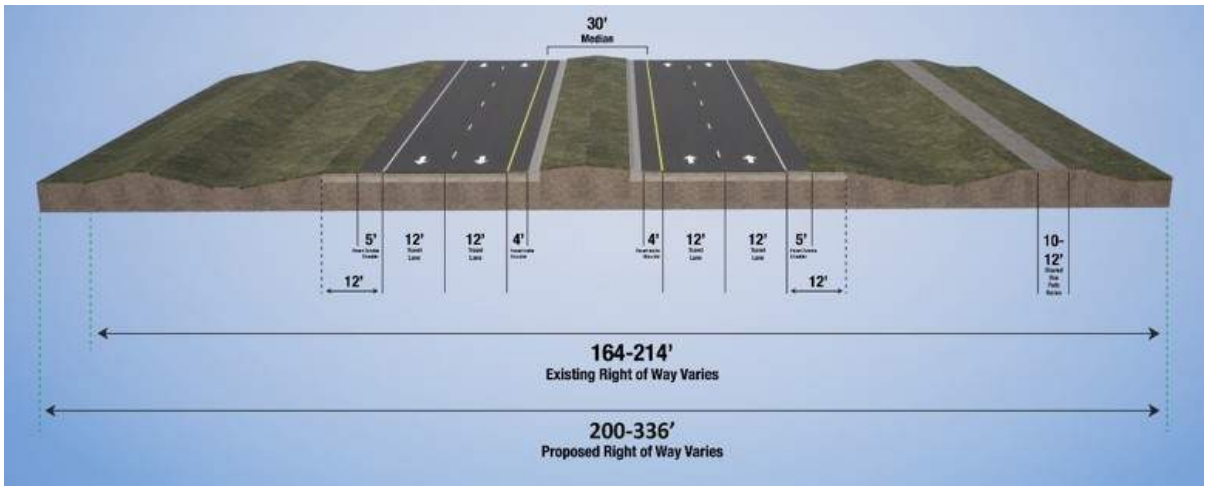


This alternative impacts the LWRWEA and existing FPL easement located on the north side of the roadway; however, this alternative avoids impacts to the FGT easement along the south side of the corridor. Based on coordination with Florida Fish and Wildlife Conservation (FWC), FDOT will mitigate for the loss of approximately 46.36 acres of impacts to the LWRWEA and further evaluate the wildlife crossings within this segment during the design phase of this project.

3.2.2 Segment B - MP 12.349 to MP 15.090

Segment B includes 12-ft travel lanes, a 30-ft median including four-ft paved median shoulders, and a Type E curb and gutter. A 10 to 12-ft shared use path is proposed on the south side of the roadway (**Figure 3-3**). The design, target, and posted speeds are 55 mph; a SIS design speed variation has been approved for this segment. The proposed ROW width is typically 200 to 336-ft. The existing two-lane roadway is offset to the north within the existing ROW; therefore, the roadway will be expanded to the north to avoid the gas lines on the south side.

Figure 3-3: Segment B Preferred Alternative Typical Section



3.2.3 Segment C - MP 15.090 to MP 17.245

Segment C has two typical sections, the first is from MP 15.090 to MP 16.691. This typical section consists of a 40-ft median, 12-ft travel lanes, and open roadside ditches. A 12-ft shared use path is included on the south side. The total proposed ROW width is 215 to 359-ft (**Figure 3-4**), with the existing ROW being 45 to 200-ft. The widening will occur to the south. The design, target, and posted speeds are 65 mph.

From MP 16.845 to MP 17.245, there is a canal located on the south side of the existing corridor. The proposed typical section accommodates the canal in the proposed ROW. The total proposed ROW is 313 to 322-ft, widening to the south. The existing ROW is 45 to 65-ft. The typical section with the canal consists of a 40-ft median, 12-ft travel lanes, and open roadside ditches (**Figure 3-5**).

Figure 3-4: Segment C Preferred Alternative Typical Section (MP 15.090 to MP 16.845)

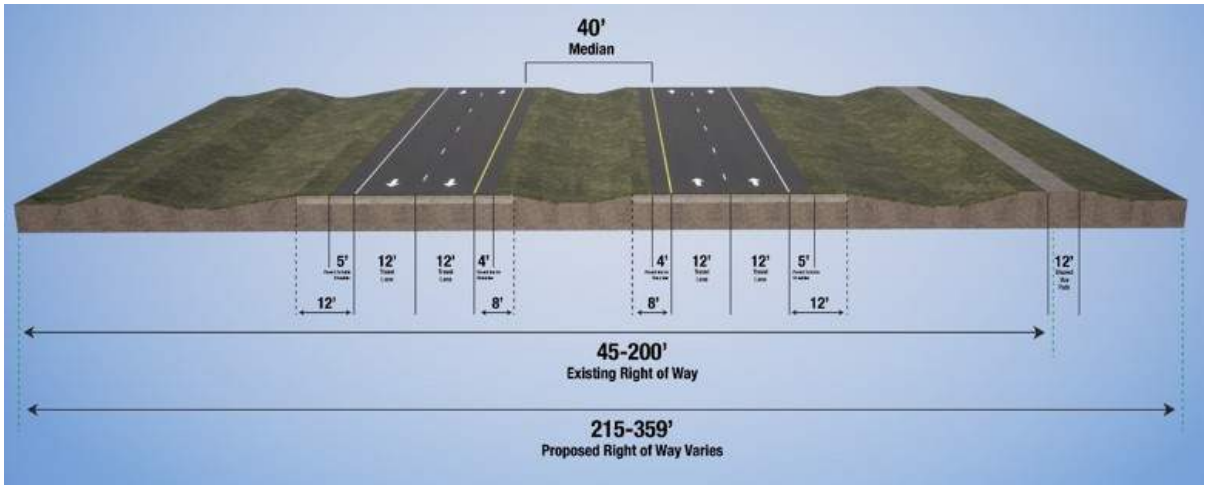
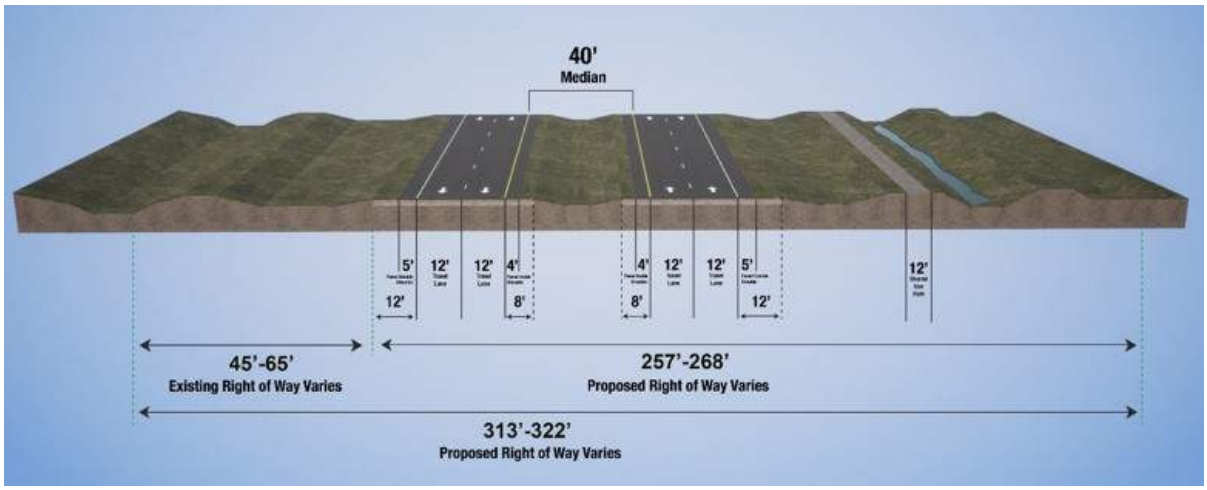


Figure 3-5: Segment C Preferred Typical Section (MP 16.845 to MP 17.245)



4 Methodology

A contamination screening was conducted to identify contamination issues from properties or operations located within the vicinity of the project. The screening was performed for the project limits, which is defined as existing and proposed ROW necessary to accommodate the proposed project improvements and preferred drainage sites. The project limits and study area, which includes a 500-foot, 1,000-foot, and ½-mile search buffer are illustrated in the appendices of this report along with the most recent aerial photograph provided by ArcGIS PRO 2025. This evaluation consisted of the following tasks:

- Reviewed the Level I Contamination Screening Evaluation Report (Mainline), dated December 2, 2019, Rev. 2
- Reviewed the Level I Contamination Screening Evaluation Report (Pond Alternatives), dated October 23, 2019, Rev. 1
- Reviewed the Level II Impact to Construction Report (ICR) dated January 2021, received from the FDOT, which documented testing at two sites: Site 1 – Chevron (Site 24 herein), and Site 2 - Circle K (Site 25 herein).
- Reviewed Contamination Matrix – FPID 414506-3 and 414506-4 – Pond Alternatives dated February 28, 2025.
- For sites previously evaluated, the prior risk ratings were reviewed and reassessed for this report based on the current project limits and ROW, updated regulatory file review, updated aerial photograph review, more recent site reconnaissance, and current District One guidance. Accordingly, some sites retained their previous ratings, some were no longer applicable because they fell outside the updated study area, and some risk ratings were revised where updated information indicated a different level of potential impact to construction. Specific details are provided in **Tables 8-1** and **8-2**.
- Regulatory database searches were conducted by Environmental Data Management (EDM) on July 8, 2025 (mainline), and February 13, 2026 (ponds), to identify sites, facilities or listings within the study area containing documented or suspected petroleum contamination or other hazardous materials. The reports are provided in **Appendix B**. For the mainline ROW and the pond sites, this evaluation utilizes the search distances recommended in Chapter 20 of the FDOT PD&E Manual which are:
    - 500 feet from the study limits for petroleum, drycleaners, and non-petroleum sites,
    - 1,000 feet from the study limits for non-landfill solid waste sites (such as recycling facilities, transfer stations, and debris placement areas), and
    - ½ mile from the study limits for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), National Priorities List (NPL) Superfund sites, or Landfill sites.

EDM's reports are used as a preliminary screening tool to identify facilities that are registered with various county, state, and federal agencies. The regulatory review of federal and state environmental records utilizes an integrated geographic information system database. The database reports provide geocoded and non-geocoded regulatory listings of interest that are identified within the study area. Each listing is located by address, facility identification number and field verified where possible. All are reviewed for the potential of contamination to impact the project. The reviewed records include information compiled by the United States Environmental Protection Agency (EPA), the Florida Department of Environmental Protection (FDEP), and other various reporting programs. A complete list of all regulatory record databases searched is included in EDM's reports provided in **Appendix B**. Additional regulatory information was obtained using the FDEP's Map Direct and OCULUS databases. Supplemental information is provided in **Appendix E**. The facilities identified in EDM's reports are discussed in **Section 8**.

- Aerial photographs were reviewed to develop a history of the previous land uses within the study area and to identify sites which may have historical uses that pose contamination concerns. Aerial photographs dated 1944, 1952/3, 1957/8, 1970, 1981, 1993, 2005, 2014 and 2023 were provided by EDM. Copies of these aerial photographs are presented in **Appendix C**. Additionally, aerial photographs dated 1994, 1995, 1999, 2004-2008, 2010, 2014, 2017, 2020, 2024 and 2025 were reviewed using the Google Earth database for instances where additional coverage, and/or better quality of photographs may have been required. The findings are provided in **Section 5.1**. Site specific details are provided, where appropriate, in **Section 8**.
- Topographic maps can be useful identifying contamination concerns such as railroads, mined lands, bulk storage tanks, and landfills/disturbed lands. Additionally, land use and water features, including elevation contours can be identified on topographic maps. The USGS 7.5-Minute "Childs, Florida" quadrangle dated 1953, photo-revised 1972 and "Venus NW, Florida" quadrangle dated 1953, and photo-revised in 1972 were provided by EDM and were reviewed as part of this study. The findings are provided in **Section 5.2**. The topographic maps are provided in **Appendix D**. If instances were encountered where it was difficult to review the topographic map due to project lines being added, resolution, or other issues, then topographic maps were also reviewed using imagery available from the United States Geological Survey (USGS) website.
- Highlands County Property Appraiser database information was reviewed to identify owners of drainage sites, suspect contamination sites, and to fill potential data gaps where other resources may not have provided ample information regarding the site, or to determine addresses, parcel boundaries and other pertinent information.
- The site reconnaissance was performed on September 4, 2025 and March 3, 2026 to identify new and/or undocumented contamination sites, and to verify locations of documented contamination sites. The site reconnaissance in conjunction with the desktop review allows

the sites to be rated as to the degree of contamination concern. Some of the typical physical indicators for contamination concerns include: railroad tracks, fill ports and vent pipes associated with underground storage tanks (USTs), aboveground storage tanks (ASTs), oil/petroleum staining, drums, chemical containers, refuse, illicit dumping, solid waste, stressed vegetation, dry cleaning facilities, material handling from adjacent businesses, petroleum dispensers, excavated areas, agricultural use, chemical mix/load areas, stormwater outfall areas, surface water indicators, groundwater monitor wells, restricted area/contamination/hazardous material/petroleum pipeline signage, cattle dip vats (CDVs) and other property uses that may present contamination concerns. The reconnaissance included a systematic inspection of each parcel along the project corridor, and surrounding areas looking for signs of contamination. This was achieved by driving, where possible, the project, and walking the parcels within and surrounding the project (where accessible) to gain specific information regarding the usage and condition of each contamination site. Photographs of the contamination concerns were taken during the site inspection. Select images are presented in **Appendix F**.

- Risk ratings were assigned for each contamination site or drainage site after evaluating the findings of each of the previously mentioned methodologies. The rating system defined in the PD&E Manual is divided into four categories of risk which express the degree of concern for contamination problems. The four degrees of risk ratings are No, Low, Medium, and High and are defined as follows:

  No Risk Site

  A review of available information on the property and a review of the conceptual or design plans indicates there is no potential contamination impact to the project. It is possible that contaminants have been handled on the property. However, findings from the Level I evaluation indicate that contamination impacts are not expected.

  Low Risk Site

  A review of available information indicates that past or current activities on the property have an ongoing contamination issue; the site has a hazardous waste generator identification (ID) number, or the site stores, handles, or manufactures hazardous materials. However, based on the review of conceptual or design plans and/or findings from the Level I evaluation, it is not likely that there would be any contamination impacts to the project.

  Medium Risk Site

  After a review of conceptual or design plans and findings from a Level I evaluation, a potential contamination impact to the project has been identified. If there is insufficient information (such as regulatory records or site historical documents) to decide as to the potential for contamination impact, and there is reasonable suspicion that contamination may exist, the property should be rated at least as a Medium. Properties used historically as gasoline stations

and which have not been evaluated or assessed by regulatory agencies, sites with abandoned in place underground petroleum storage tanks or currently operating gasoline stations should receive this rating.

High Risk Site

After a review of all available information and conceptual or design plans, there is appropriate analytical data that shows contamination will substantially impact construction activities, have implications to ROW acquisition or have other potential transfer of contamination related liability to the FDOT.

For purposes of this evaluation, citrus groves were rated consistent with current District One guidance provided by the Department. For both mainline and drainage sites, current or former groves located on-site or directly adjacent to the project limits were generally assigned a risk rating of Medium. A Low risk rating was considered appropriate where former grove properties had been redeveloped, or where adjacent grove areas were not directly adjoining the project limits and were separated by a meaningful buffer, such as wooded land or other intervening features, unless other available information indicated a higher level of concern. This approach reflects the potential for residual agricultural impacts associated with grove operations, including pesticides, herbicides, metals, and petroleum products, even where specific source features such as mix/load areas, storage areas, or irrigation pumps are not identified.

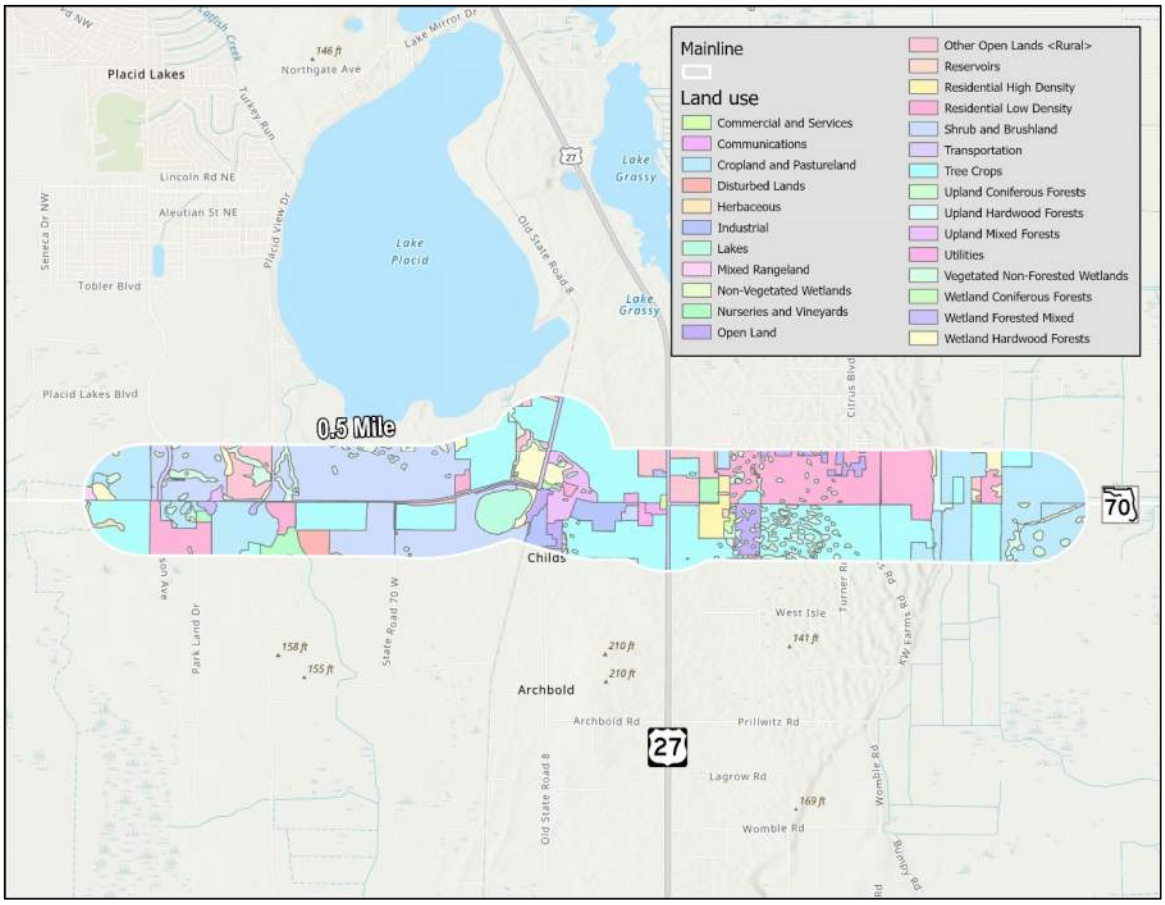
While not specifically discussed in Chapter 20 as a basis for Medium or High risk ratings, any site that is recognized by the FDEP as being “contaminated” due to the documented presence of unremediated impacts will be rated High or Medium because these sites will likely affect National Pollutant Discharge Elimination System (NPDES) dewatering efforts within 500 feet of the site. Even when it has been determined that a site with these factors does not have contamination impacts that extend into the City’s, County’s or FDOT’s right-of-way, these sites can still create a contamination-related impact to construction by requiring additional efforts related to permitting processes, effluent treatment, and discharge monitoring. These sites/properties eventually require final plan notes, or markings, to ensure the Contractor coordinates NPDES dewatering proximal to these sites through the Project Engineer, District Contamination Impact Coordinator (DCIC) and Contamination and Remediation (CAR) Contractor.

5 Land Uses

Determination of previous land uses and occupancies is an important factor when evaluating the potential for contamination involvement. Developing a history of the project and surrounding areas can assist in determining the potential for releases or discharges of hazardous materials or petroleum products. To determine land uses for this project, a site reconnaissance and interviews (**Section 7**) were performed along with a review of historical aerial photographs and topographic maps. These resources were supplemented using zoning information for Highlands County, as shown on **Figure 5-1**.

Land use within and adjacent to the study area was classified using zoning information for Highlands County. Existing land uses within the study area are presented in **Figure 5-1**. While specific sites were not identified, some of the listed land uses have the potential for contamination issues. A description of land use for each contamination site is provided in **Section 8**.

Figure 5-1: Land Use Map



5.1 HISTORICAL AERIAL PHOTOGRAPH REVIEW

Aerial photographs dated 1944, 1952, 1953, 1957, 1958, 1970, 1981, 1993, 2005, 2014, and 2023 were provided by EDM. Aerial photographs dated 1994, 1995, 1999, 2004-2008, 2010, 2014, 2017, 2020, 2024 and 2025 were available on the Google Earth database. The findings are discussed below. Copies of the historical aerial photographs are presented in **Appendix C**. S.R. 70 and US 27 were both depicted in 1944. S.R. 70 was widened between 1957 and 1970, US 27 was widened between 1953 and 1970.

Subsequent to the preparation of the 2019 CSERs, groves appeared abandoned or replanted in several surrounding areas offsite.

Contamination concerns exclusively identified during the historical aerial photograph reviews include groves (Map IDs 5, 17, 27, 32, and 41), a railroad track (Map ID 10), plant nurseries (Map IDs 11, 29, and 37), and residential properties (Map IDs 34 and 38). Further details are provided in **Section 8**.

5.2 USGS TOPOGRAPHIC MAP REVIEW

Copies of the historical topographic maps are presented in **Appendix D**. Based on a review of the topographic maps, S.R. 70 is visible throughout the project corridor as a “medium duty” road. Approximately fifteen roads, two streams, a canal, and one railroad track intersect this project corridor. Approximately fifteen structures, five wooded areas and two groves are depicted along this project corridor. Lake Annie is located south of the project corridor in the central area. The majority of study area and vicinity is comprised of hills, depressions, and elevation changes throughout the corridor.

Contamination concerns identified and/or confirmed during the historical topographic map reviews include groves (Map IDs 5, 17, 27, 32 and 41) and a railroad track (Map ID 10). Further details are discussed in **Section 8**.

5.3 SITE RECONNAISSANCE

Site reconnaissance visits were conducted on September 4, 2025 and March 3, 2026 to search for contamination concerns. The reconnaissance included an attempt to view each parcel along the project corridor and surrounding areas looking for signs of contamination. This was achieved by driving, where possible, the proposed improvements, and walking the parcels within and surrounding the project corridor (where accessible) to gain specific information regarding the usage and condition of each site. Sites identified in regulatory records are also viewed to confirm provided information and to verify current site conditions. The site reconnaissance, in conjunction with the desktop review of regulatory sites, provides the necessary information for the assignment of risk ratings corresponding to the degree of contamination concern. Photographs of the regulated sites and any new contamination concerns were obtained during the site reconnaissance. Select images are presented in **Appendix F**.

During the site reconnaissance, S.R. 70 was observed primarily as a two-lane east-west highway with multiple intersecting roads. Turn lanes were noted at major intersections, including US 27. Roadside ditches and swales were noted along both sides of S.R. 70.

Contamination sites identified and/or confirmed during the site reconnaissance within the proposed mainline ROW include: groves (Map IDs 5, 17, 27, 32, and 41), a railroad track (Map ID 10), plant nurseries (Map IDs 11, 29, and 37), a cell tower (Map ID 23), a pumphouse (Map ID 36), a pole barn (Map ID 40), and residential properties (Map IDs 34 and 38).

Offsite, contamination sites noted along the corridor include gas stations (Map IDs 26 and 27), industrial facilities (Map IDs 12, 15, 16, 18, and 22), groves (Map IDs 5, 17, 27, 32, and 41), and plant nurseries (Map IDs 11, 29, and 37). Other surrounding land use was generally observed as woods, pasture, creeks and ditches, and residential properties. Select photographs are presented in **Appendix F**. A detailed description of field observations for each contamination site is provided in **Section 8.**

6 Hydrologic Features

6.1 AQUIFERS OF FLORIDA

In general, three hydrogeologic units exist in the project corridor vicinity. The uppermost water-bearing unit is the surficial aquifer, which is underlain by the intermediate aquifer system/intermediate confining unit. The lowermost hydrogeologic unit is the Floridan aquifer system, which consists of the Upper Floridan aquifer, as many as three middle confining units, and the Lower Floridan aquifer. Groundwater is the main source of water supply in Highlands County, Florida. Much of water use is related to agricultural activities, especially citrus cultivation.

The surficial aquifer consists primarily of fine-to-medium grained quartz sand with varying amounts of clay and silt. The aquifer system is unconfined and underlies the entire county. The thickness of the surficial aquifer is highly variable, ranging from less than 50 to more than 300 feet. Groundwater in the surficial aquifer is recharged primarily by precipitation, but also by septic tanks, irrigation from wells, seepage from lakes and streams, and the lateral groundwater inflow from adjacent areas.

The intermediate aquifer system/intermediate confining unit acts as a confining layer (except where breached by sinkholes) that restricts the vertical movement of water between the surficial aquifer and the underlying Upper Floridan aquifer. The sediments have varying degrees of permeability and consist of permeable limestone, dolostone, or sand, or relatively impermeable layers of clay, clayey sand, or clayey carbonates. The thickness of the intermediate aquifer system/intermediate confining unit ranges from about 200 feet in the northwestern Highlands County to more than 600 feet in the southwestern part. Although the intermediate aquifer system is present in this county, it is unclear where the aquifer system grades into a confining unit in the eastern part of the county. Up to two water-bearing units are present in the intermediate aquifer system within the county. The lateral continuity and water-bearing potential of the various aquifers within the intermediate aquifer system are highly variable.

The Floridan aquifer system is composed of a thick sequence of limestone and dolostone of Upper Paleocene to Oligocene age. The top of the aquifer system ranges from less than 200 feet below NGVD 29 in extreme northwestern Highlands County to more than 600 feet below National Geodetic Vertical Datum (NGVD) 29 in the southwestern part. The principal source of groundwater supply in the county is the Upper Floridan aquifer. As of 2005, about 89 percent of the groundwater withdrawn from the county was obtained from this aquifer, mostly for agricultural irrigation and public supply. Over most of Highlands County, the Upper Floridan aquifer generally contains freshwater, and the Lower Floridan contains more mineralized water. The potentiometric surface of the Upper Floridan is constantly fluctuating, mainly in response to seasonal variations in rainfall and groundwater withdrawals.

Regionally, the groundwater flow direction is generally to the south. The surficial aquifer groundwater flow direction is subject to influences from nearby canals, potable well fields, agricultural irrigation wells, swamp/marsh areas, and seasonal rainfall variability. Depth to shallow groundwater in the

study area ranged from 4.3 feet below land surface (bls) to 20.33 feet below top of casing as noted in OCULUS reports and piezometer readings.

6.2 HYDROLOGY – SITE RECONNAISSANCE

During the site reconnaissance, roadside ditches/swales were noted throughout most of the project corridor. Slope is generally towards Lake Annie in the central area, and towards a lower elevation in the eastern portion of the project corridor.

6.3 HYDROLOGY – USGS 7.5 MINUTE TOPOGRAPHIC MAPS

Based on a review of the topographic maps, two streams and a canal are depicted in the west-central and central portions of the project. Lake Annie is located approximately 200 feet south of S.R. 70 near the center of the project corridor. Roadside ditches are depicted along the north and south sides of S.R. 70 in the eastern and western areas. A submerged swamp or marsh area is depicted in the west-central area. Slope is generally towards Lake Annie in the central area, and towards a lower elevation in the eastern portion of the project corridor.

6.4 SOILS

The United States Department of Agriculture (USDA) Soil Survey for Highlands County (2024) indicate that there are multiple soil types that exist within the study area, which includes the project limits and search distances up to 500 feet from the ROW. The dominant soil types, in addition to their map unit ID numbers, acreages, and percentages are provided in **Table 6-1**:

Table 6-1 Existing Soils (USDA)

Map Unit Symbol	Map Unit Name	Acres in Study Area	Percent of Study Area
1	Paola sand, 0 to 8 percent slopes	344.6	6.1%
2	St. Lucie sand, 0 to 8 percent slopes	0.0	<0.1%
4	Duette sand, 0 to 5 percent slopes	85.5	1.5%
5	Daytona sand, 0 to 5 percent slopes	91.6	1.6%
6	Tavares sand, 0 to 5 percent slopes	13.1	0.2%
7	Placid fine sand, frequently ponded, 0 to 1 percent slopes	111.5	2.0%
8	Immokalee sand, 0 to 2 percent slopes	277.3	4.9%
9	Astatula sand, 0 to 5 percent slopes	447.4	7.9%
10	Myakka fine sand, 0 to 2 percent slopes	94.7	1.7%
11	Orsino sand, 0 to 5 percent slopes	223.9	4.0%
12	Basinger fine sand, 0 to 2 percent slopes	790.3	14.0%
13	Felda fine sand, 0 to 2 percent slopes	142.4	2.5%
14	Satellite sand, 0 to 2 percent slopes	774.0	13.7%
18	Kaliga muck, frequently ponded, 0 to 1 percent slopes	29.7	0.5%
20	Samsula muck, frequently ponded, 0 to 1 percent slopes	59.8	1.1%
21	Hontoon muck, frequently ponded, 0 to 1 percent slopes	146.5	2.6%
26	Tequesta muck, frequently ponded, 0 to 1 percent slopes	191.3	3.4%

Map Unit Symbol	Map Unit Name	Acres in Study Area	Percent of Study Area
28	Archibold sand, 0 to 5 percent slopes	269.3	4.8%
33	Basinger, St Johns and Placid soils	39.1	0.7%
35	Sanibel muck, frequently ponded, 0 to 1 percent slopes	79.3	1.4%
45	Paola-Basinger sands, rolling	1,313.3	23.2%
47	Astatula sand, 5 to 12 percent slopes	51.8	0.9%
99	Water	88.2	1.6%
SUBTOTALS FOR SOIL SURVEY AREA		5,664.9	100.0%

According to the Soil Survey of Highlands County, the predominant native soil type in the study area is Paola-Basinger sands, rolling (Map Unit 45), which makes up approximately 23.2% of the study area. This mapping unit is a very deep sandy soil occurring on gently to moderately sloping upland ridges and rolling sandhills in central Florida. These soils are characterized by loose, fine sand extending from the ground surface to depths greater than 80 inches bls. Drainage characteristics range from excessively drained in the Paola component to somewhat poorly drained in the Basinger component. In areas influenced by the Basinger component, a seasonal high water table may occur at depths of approximately 24 to 40 inches bls during wet periods, whereas in the Paola component the water table is typically deeper than 80 inches bls. Permeability is rapid to very rapid throughout the sandy profile, promoting high infiltration rates and limited surface runoff. Based on these characteristics, potential contaminant transport would be expected to occur primarily in the vertical direction through the permeable sand strata, with limited lateral migration except in localized areas where temporary saturation conditions may restrict downward percolation.

7 Interviews

Communication with landowners, facility operators, residents, and governmental agencies can aid in the understanding of past and current land uses within the study area. Where possible or when necessary, interviews or requests for information are collected in an effort to identify potential concerns associated with petroleum storage tanks; automotive or marine, maintenance, service, or repair facilities; dry-cleaning processes; and other industrial or agricultural operations that could affect the project. The following interviews/correspondence were conducted for this project:

1. The email from Mr. William Szary, FDOT State Materials Engineer (dated January 23, 2017) states the following:

   The monitoring well was placed at that location for the exclusive purpose of collecting long term ground water measurement data over a two year period to determine seasonal high and low ground water fluctuations and subsequent effects produced by the Lake Annie Canal and the surrounding surface and ground water monitoring stations. The well was not used for collecting ground water contamination or other environmental sources.

   The well was placed as part of a contract with the FDOT Research Center in Tallahassee for the project titled Methods to Predict Seasonal High Groundwater, contract BDX86. Reports were submitted to the Research Center for posting.

   If you require additional details with respect to the project's purpose, please contact David Horhota, the FDOT Project Manager-State Materials Engineer, Gainesville, FL. David.Horhota@dot.state.fl.us.

   According to permit (840045) information, the 2-inch diameter PVC piezometer was installed to a depth of 20 feet in 2014. It is located in the west-central portion of the project, within existing S.R. 70 ROW, approximately 70 feet south of the road (edge of pavement) and 1,050 feet west of the railroad crossing. Based on the current design plans, this well appears to be located within the sidewalk and will need to be abandoned prior to construction activities, unless the sidewalk can be designed to avoid the well. Depth to groundwater was measured at 4.3 feet bls in November 2014. Given the use to measure groundwater depth fluctuations, this piezometer is not considered a contamination concern and is not further discussed in this report.

2. An email was submitted on July 22, 2025 to Mr. Jeffrey James, FDOT's Environmental Management Office (EMO) to request contamination related reports/files associated with this project. One report (Level II Impact to Construction Report dated January 2021) was provided on July 25, 2025. Further discussion is provided in **Section 8**.

8 Project Impacts

Based on the methodologies performed, forty-two contamination sites and fifteen drainage sites were identified and evaluated herein. Specific details for each contamination site and drainage site are provided in **Table 8-1** and **8-2**, respectively. Supporting documentation is included in the appendices.

Table 8-1 Risk Ratings for Contamination Sites

Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
1	**Smoak Groves – Lonesome Dove** 5001 SR 70	TANKS: 8942817	Heart Groves Inc. (since 2022)	Adjoining south (Parcel) 1,500 feet southwest (Tank)	pesticides, herbicides, petroleum	Low	NA	This site was identified as Site 2 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 and September 4, 2025 site reconnaissance, this site was observed as groves. No fuel storage tanks were noted. Based on tank registration forms April 19, 1989 and February 28, 2018, this facility has eight in-service 1,000-gallon diesel ASTs. No discharges were reported. Based on the 2017 aerial photograph and a sketch found on the April 19, 1989 tank registration form, the nearest AST is located approximately 1,500 feet southwest of the west project limit. A Limited Closure Report Form dated September 30, 2020 states seven tanks were removed on September 18, 2020 . One tank located 1,500 feet southwest of the ROW remains in-service. The most recent routine tanks inspection dated March 11, 2025 states the facility is out of compliance for lack of "spill insurance coverage for tank" (**Appendix E**). No discharges were reported. Typical contaminants associated with agricultural land use such as row crops and groves include residual contamination impacts to soil and/or groundwater from the use/storage of pesticides, herbicides, metals, and petroleum products. The potential for contamination is primarily in the vicinity of receiving/distribution areas, storage, mix/load/washing areas, and diesel-powered irrigation pumps. Agricultural uses of organic and inorganic pesticides are exempt from most Resource Conservation and Recovery Act (RCRA) provisions, provided that the farmers apply the chemicals on their own farms and in accordance with labeled instructions. Spills, improper application, too much application and application of disallowed pesticides are not exempted from these requirements. No such evidence of mix/load areas, irrigation pumps, or stressed vegetation from possible overspill was apparent within or adjacent to the SR 70 ROW during aerial photograph review or site reconnaissance. Although the parcel is located adjoining south, the nearest groves are located 80 feet south of the SR 70 ROW. Given the separation distance to the nearest groves, this site retains a risk rating of Low.
2 EDM 1A	**Griffin Trees** 100 Parkland Drive 108 Parkland Drive	TANKS: 8944354	Cecil and Marie Wilson (since 2012 and 2017)	Adjoining south Tank farm 650 feet south	Petroleum	No	NA	This site was identified as Site 4 in the 2019 Level I CSER and was assigned a risk rating of No. This site was identified on the MapDirect database, and EDM's proximal site summary table. The tank registration form dated March 26, 1998 stated this facility has three registered ASTs: two 4,000-gallon diesel, and one 2,000-gallon leaded gasoline. The ASTs were reportedly removed in 1997 and 2002. A sketch map found in the 1989 tank registration form depicts the tank farm 650 feet south of the ROW, and a barn farther south (**Appendix E**). No discharges were reported. During the site reconnaissance on September 4, 2025, the site was observed as open field with fill (bare soil) and signage just south of the ROW. Woods were observed farther south. Although the parcel is located adjoining south, the maintenance building (including former tank farm) is located over 600 feet south of the ROW. No new regulatory files were found. Based on the separation distance to contamination concerns, this site retains a risk rating of No.

Table 8-1 Risk Ratings for Contamination Sites

Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
3	**Posey Dairy aka Sumrset LLC** 3521 SR 70 3600 SR 70	Wastewater FLA284611, FRS ID: 110035475633	Heart Groves, Inc. (since 2021)	Adjoining south (Parcel) 830 feet south (Structures)	Nutrients (Nitrogen, Phosphorous)	Low	NA	This site was identified as Site 5 in the 2019 Level I CSER and was assigned a risk rating of Low. This site was depicted on aerial photographs from 1993 to current and was observed during site reconnaissance. The Animal Feed Operations (AFO)/Concentrated AFO (CAFO) permit expired on January 25, 2011, and no violations were reported. According to FDEPs website http://www.dep.state.fl.us/water/wastewater/iw/afo.htm, AFOs are facilities with large numbers of animals in a confined area, and typical contaminants include nutrients (nitrogen and phosphorus). The FDEP has developed wastewater rules for AFOs. AFOs are regulated under DEP's Industrial Wastewater Program which includes dairies, poultry, and horse and swine operations. CAFOs are regulated under the NPDES program. Tierra emailed the FDEP on September 26, 2016, regarding this facility. In response, the FDEP indicated they had a total of five documents for this facility. Based on information and maps included in the "Response to the February 24, 2004, Request for Additional Information" for Permit Application No. FLA284611-001-IW4A for Posey Dairy, waste storage ponds, settling ponds, milking parlor, feed barn and sprayfields were located over 400 feet south of the SR 70 ROW. According to FDEP email correspondence dated August 15, 2019, Posey Dairy ceased operations on November 13, 2006, and the permit did not require the facility to submit closure/assessment documentation (**Appendix E**). During the site reconnaissance on September 4, 2025, no relevant changes were noted. Aerial photographs depict little or no changes. No new regulatory files were found. Given the distance from the ROW (830 feet south) and time for natural attenuation, this site retains a risk rating of Low.
4 EDM 1	**70 Grove** SR 70	TANKS: 8736758	Unknown	Unknown	Petroleum	Low	NA	This site was identified as Site 6 in the 2019 Level I CSER and was assigned a risk rating of Low. EDM's report states this site has one registered 250-gallon vehicular diesel AST. The location plotted in **Appendix A** is based on the location used on MapDirect. The tank registration form dated December 18, 1987, states this facility has one 250-gallon diesel AST. No address, coordinates or map/sketch were found on that form. No evidence of this tank was noted during the 2019 or 2026 site reconnaissance, or on historical aerial photographs. It is important to note that fuel storage tanks 550-gallons or less are not regulated. Therefore, no further documentation would be anticipated for this AST. Since the nearest grove on SR 70 was located approximately 1,000 feet east, it appears this tank location may have been incorrectly plotted. No new regulatory files were found. During the site reconnaissance on September 4, 2025 the vicinity of this site was observed as the intersection of SR 70 and Placid View Drive, including surrounding woods and pasture. Based on the uncertain location, lack of information, and lack of a reported discharge this site retains a risk rating of Low.
5	**Scarborough Groves** 3001-3101 SR 70	Aerial photographs, site reconnaissance	Caladium Estates Since 2023	Adjoining south (Parcel)	Herbicides, pesticides	**Medium**	NA	This site was identified as Site 7 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 site reconnaissance, this site was observed as a citrus grove. The groves appeared abandoned during the 2025 site reconnaissance. No fuel storage tanks, mix/load areas, storage buildings or maintenance facilities were noted. Review of historical aerials show groves since at least 1970. One structure, presumably an irrigation well, was depicted approximately 700 feet south of the ROW. No regulatory files were found. Given the groves are located adjoining south, the risk rating for this site is changed from Low to **Medium** (based on more recent District One guidance).

Table 8-1 Risk Ratings for Contamination Sites								
Map ID Number/ (EDM Number)	**Site Name & Address**	**Databases/ Facility ID/ Other Sources**	**Property Owner(s)**	**Distance from SR 70 ROW**	**Contaminants of Concern**	**Risk Rating**	**Drainage Sites Affected**	**Comments**
6 EDM 2A	**Lake Placid Groves – Lake Annie Block** SR 70	TANKS: 9102354	PAI Lake Placid Groves LLC (since 2018)	Adjoining south (Parcel) 580 feet south (Structures)	Herbicides, pesticides	**Medium**	NA	This site was identified as Site 8 in the 2019 Level I CSER and was assigned a risk rating of **Medium** since historical groves were formerly located within the existing SR 70 ROW. Aerial photographs depict clearing for a natural gas pipeline easement along the south side of SR 70 in 2014. While the portion of the parcel acquired as ROW no longer maintains groves, the land has not been redeveloped. During the 2019 and 2025 site reconnaissance, this site was observed as groves. This site was identified on the MapDirect database and during site reconnaissance. This facility has two registered tanks: one 3,000-gallon diesel generator/pump AST was installed in 1986 and removed in 2007; and one 500-gallon diesel generator/pump AST was installed in 2007 and remains in-service. No discharges were reported. The 2004 aerial photograph depicts the 3,000-gallon AST located approximately 450 feet south of the SR 70 ROW. A sketch provided by the FDEP on September 26, 2016, depicts the 500-gallon AST located approximately 500 feet south of the project corridor. Based on the considerable distance, the storage tanks and maintenance/storage facility are considered a low risk. No new regulatory files were found. Since historical groves were formerly located within the existing SR 70 ROW, and current groves are located adjoining south, this site retains a rating of **Medium**.
7 EDM 2	**Former Division of Forestry – Herren Nursery** 1801 SR 70	TANKS: 8521077	Youngman Frank C (since 2014)	Adjoining north (Parcel) 250 feet north (tank farm)	Herbicides, Pesticides	**Medium**	FPC 1211B	This site was identified as Site 9 in the 2019 Level I CSER and was assigned a risk rating of Low. EDM's report states two USTs (20,000-gallons unleaded gasoline, and 1,000-gallons diesel) were removed in 1995. Two discharges were reported: June 30, 1992, and December 23, 1988, both with "no cleanup required" (according to EDM's report). Although this site is not found on the FDEP's Contamination Locator Map (CLM), it is important to note, soil analytical testing was not performed, petroleum impacted soils with OVA readings above 10 ppm were returned to the excavation (since 55 ppm was used as the "excessively contaminated soil" criteria), and groundwater analytical testing was not performed to the current standards according to information found in the Tank Closure Assessment Report (TCAR) dated December 1995 (**Appendix E**). Therefore, it is possible soil and/or groundwater impacts remain. Shallow groundwater was encountered at five feet bls during the 1995 tank removal/assessment activities. The report concluded "no excessively contaminated soil was encountered," and recommended "No Further Action." No Site Rehabilitation Completion Order (SRCO) was found for either discharge. Based on a sketch included with the December 18, 1984, tank registration form, the tank farm/dispenser, shop, and storage buildings were located at least 250 feet north of the SR 70 ROW. No new regulatory files were found. Given the lack of an SRCO, this site is considered an "open discharge" by the FDEP and will affect the NPDES permitting. During the September 4, 2025 site reconnaissance, this site was observed as a residence and vehicle parking area. The Irby Construction laydown yard, including heavy equipment, trucks, metal storage containers, and construction supplies was observed on the southeastern portion of this parcel. No petroleum storage tanks or hazardous materials were noted. The 2025 aerial photograph depicts heavy equipment, soil stockpiles, and a driveway. Although this site was not identified on the FDEP's CLM, this site may affect the NPDES permitting if dewatering is performed within 500 feet. Additionally, this site was historically used as a plant nursery. Therefore, the risk rating is changed from Low to **Medium**.

Table 8-1 Risk Ratings for Contamination Sites

Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
8 EDM 3	**Worley Block/Black Bear Citrus/Lake Placid Groves-Air Strip** 1307 SR 70 West and 25 Pump Rd.	TANKS: 9401208 (Worley) 9102355 (Lk Placid Groves-Air Strip)	Lake Placid Ranch Corp (since 2022)	Adjoining north (Parcel) 40 feet north (Tank)	Petroleum, Pesticides, Herbicides	**Medium**	FPC 1211B FPC 1213A	This site was identified as Site 10 in the 2019 Level I CSER and was assigned a risk rating **Medium** due to the proximity (40 feet north) of the former 4,000-gallon diesel AST, lack of assessment documentation, and potential for residual petroleum impacts. During the 2019 and 2025 site reconnaissance, this facility was observed generally as groves, and the mostly overgrown remnants of a structure, presumably an agrichemical storage facility was observed approximately 20 feet north of the SR 70 ROW. According to information obtained from the Highlands County Property appraiser database, this structure (or former structure) is a metal frame shed with concrete floor built in 1985; and this facility, including groves (approximately 199 acres) was owned by Black Bear Citrus, LLC from 2014 to 2022. Two storage tank facilities were identified on the FDEP MapDirect database associated with this grove/parcel. The first listing is Worley Block (Fac. ID 9401208) - According to the Storage Tank Registration Form (STRF) dated June 24, 1994 found on the OCULUS database, this facility formerly maintained one 4,000-gallon diesel fuel AST installed in 1992 and one 500-gallon leaded gasoline UST installed in 1984. No discharges were reported. According to an FDEP Storage Tank Facility Closure Site Inspection Report dated September 3, 2008, the tank closure inspection was conducted on September 3, 2008. The report indicated the 4,000-gallon AST was removed in 2007, "no staining noted in vicinity of containment," and "no assessment required at this time." Tierra emailed Mr. Harry Moldenhauer with the Highlands County Health Department on September 13, 2016 regarding this facility. Mr. Moldenhauer provided a sketch which included the former 500-gallon UST location (approximately 80 feet north of the SR 70 ROW) and indicated no assessment has been completed for the former fuel storage tanks (**Appendix E**). Historical aerial photographs (2007) depict the 4,000-gallon AST 40 feet north of the SR 70 ROW. The second listing was for Lake Placid Groves – Air Strip Block (Fac. ID 9102355). According to the tank registration form dated March 19, 2012, this facility has a total of two registered ASTs: one 3,000-gallon diesel AST installed in 1985 and removed in 2010, and one 500-gallon AST installed in 2010 remains in-service. The tanks are/were located approximately 1,100 feet north of the SR 70 ROW. No new regulatory files were found for either listing. Given the lack of comprehensive closure assessment for former ASTs located 40 feet north of the ROW, and adjoining north groves, this site retains a rating of **Medium.**
9 EDM 6	**Highlands County Brownfield Area**	BF280601000	PAI Lake Placid Groves LLC	Within and adjacent	NA	No	SMF 1203D SMF 1203A FPC 1214B FPC 1214D SMF 1204A FPC 1214C	This site was identified as Site 16 in the 2019 Level I CSER and was assigned a risk rating of No. See EDM's Environmental Impact Areas Map (EDM pdf page 9) found in **Appendix B**. According to information found on the FDEP MapDirect database, Brownfield Resolution 05-06-130 was approved on March 7, 2006. According to the 2003 Enterprise Zone 2801 map found on the OCULUS database (and included within the Brownfield Resolution), this Brownfield Area includes approximately 19.93 square miles, including areas north and south of SR 70, and east and west of US 27 in the central portion of the SR 70 project limits. One Brownfield Site identified as Ridgewood Auto Spa (BF 206010001, 649 N. Ridgewood Dr.) is located approximately 20 miles north of SR 70 in Sebring. Tierra noted other contamination sites are located in the Brownfield Area and discussed each site individually since they are not included in the documents associated with this Brownfield Area. No new files were found. This site retains a risk rating of No.
10	**CSX Railroad**	Aerial photographs, site reconnaissance	South Central Florida Express, Inc.	Within and adjacent	Herbicides, Pesticides, Metals, Petroleum	**Medium**	SMF 1203A SMF 1203D SMF 1214C	This site was identified as Site 11 in the 2019 Level I CSER and was assigned a risk rating of **Medium** due to historical use of arsenic based herbicides for vegetation and weed control in addition to petroleum and creosote compounds used to preserve railroad ties. During the site reconnaissance on September 4, 2025 the railroad tracks remained active. Debris piles and creosote treated wood piles were not noted within or near the SR 70 ROW. No regulatory files were found. Given the tracks are located within and adjoining the ROW, this site retains a risk rating of **Medium.**

Table 8-1 Risk Ratings for Contamination Sites

Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
11	**E'Harts Nursery** 2806 Old SR 8 851 SR 70 855 SR 70 767 SR 70	Aerial photographs, site reconnaissance	E'Harts Nursery and Landscaping Inc. (since 1979); Michael L. Eisenhart	Partially within proposed SR 70 and Old SR 8 ROW (Parcel)	Herbicides, Pesticides, Petroleum and Arsenic	**Medium**	SMF 1203A SMF 1203D FPC 1214B FPC 1214D FPC 1214C	This site was identified as Site 12 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 site reconnaissance, this facility was observed as an overgrown field. A plant nursery with signage stating "E'Harts Nursery" was depicted at this location based on Google Earth Streetview imagery dated 2008 and 2009. No tanks or structures were noted onsite based on the 2008 and 2009 imagery and site reconnaissance. Historical aerial photos depict a plant nursery from 1993 to circa 2010. No regulatory files were found for this site. Significant portions of proposed ROW are located along the east side of Old SR 8 and the north side of SR 70, including areas which currently include nursery plants which pose contamination concerns from the use of herbicides and pesticides. During the site reconnaissance on September 4, 2025 the nursery was active only at the northeast corner of SR 70/Old SR 8 intersection (300 feet x 270 feet). No regulatory files were found. Aerial photographs depict no significant changes. Given the historical crops within and adjoining the SR 70 ROW, the risk rating for this site is changed from Low to **Medium**.
12	**Former Sunshine Newspaper Printing** 3109 Old SR 8	ECHO 110006156989, RCRAGR04 FLR000020172 SQG_35120	Wood Rock Design Art Inc. (since 2023)	Within and adjoining west of Old SR 8 ROW Adjoining south of SR 70	Inks, Solvents	Low	SMF 1203A SMF 1203D	This site was identified as Site 13 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 site reconnaissance, this site appeared to be an abandoned print shop. An office type structure was located north of the print shop. Historical aerial photos depict rangeland and woods from 1944 to 1957, clearing in 1970, one structure in 1981, and three structures in 1993. An FDEP Hazardous Waste Inspection Report dated September 22, 2005, indicated four violations were noted at this facility including: lack of hazardous waste determination, container labeling, documentation and aisle space between containers. An FDEP letter dated November 22, 2005, states "the facility has resolved all areas of concern. The Department now considers this case closed." A Hazardous Waste Inspection Report dated May 11, 2017, states the facility was "closed and no longer in operation" (**Appendix E**). A small portion of proposed ROW is located along the west side of Old SR 8. This area includes the north end of a paved parking lot, and grassy yard. It does not include any significant contamination concerns. During the site reconnaissance on September 4, 2025 the site was observed as two abandoned structures, including a "For Sale" sign. Five poly-plastic ASTs, ranging from approximately 2,000 to 5,000-gallons were noted 150 feet southwest of the nearest ROW. No labels or placards were noted, and no tanks were registered for this facility. A black tar like substance was noted on the side of one of these ASTs. The remaining ASTs were presumably used for non-petroleum products, and/or non-hazardous substances. These ASTs were first depicted on the 2020 aerial photograph. No new regulatory files were found. Based on a review of aerial photographs, the northern structure (residence) was no longer depicted in 2025. Given the lack of evidence of a discharge and separation distance from the ROW, this site retains a risk rating of Low.
13	**Smith Property** 2858 Old SR 8	Solid Waste: 101011 FLR000108597	Global NGP LLC (since 2023)	450 feet south of Old SR 8 project limit	Solid Waste	Low	NA	This site was identified as a solid waste facility (Site 15) in the 2019 Level I CSER and was assigned a risk rating of Low given the separation distance of at least 500 feet. During the 2019 site reconnaissance, this site was observed as pasture. No monitor wells or landfill was obvious. No files were found (for Solid Waste 101011) on the FDEP OCULUS database. Tierra emailed the FDEP on August 11, 2019 and on August 20, 2019 for information regarding this facility. The FDEP response stated no records were found (**Appendix E**). According to parcel lines found on the Highland County Property database, this address was located approximately 500 feet south of the SR 70 ROW. Manmade ditches/excavations were first depicted on the 1970 aerial photograph over 500 feet south of the SR 70 ROW. During the site reconnaissance on September 4, 2025 the site was observed as an overgrown parcel. An FDEP letter dated January 21, 2003 states requirements of a Consent Order "have been met," and the case was closed. A subsequent FDEP hazardous waste inspection was performed on May 4, 2004 in response to an anonymous complaint of "hazardous materials and oil tanks" at this location. The report states "the allegations were unsubstantiated." With proposed ROW extended south along Old SR 8, the separation distance has decreased to approximately 450 feet. Given the separation distance, and regulatory status, this site retains a risk rating of Low.

Table 8-1 Risk Ratings for Contamination Sites								
Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
14	**Glades Electric Truck Fire** 2829 Old SR 8	ERIC_13318 VOLCLNUP 3378167	Global NGP, LLC (since 2023)	1,900 feet south	Petroleum	No	NA	This site was identified as Site 14 in the 2019 Level I CSER and was assigned a risk rating of No. The FDEP South District provided the FDEP Emergency Response Incident Report dated March 5, 2019 which states a stationary asphalt truck caught fire while being dismantled for salvage. The tanker reportedly contained 20-50 gallons of asphalt petroleum which discharged to soil. The report narrative also describes the nature of the product as "diesel." Response actions are described as "soil removal" and "disposal." The FDEP Office of Emergency Response (OER) closed the case on June 20, 2019. Updated information includes an FDEP Case Closure letter dated August 24, 2023 (**Appendix E**) which states the address is 2829 Old SR 8, located 1,900 feet south of the Old SR 8 project limit. Therefore, it was determined the locations plotted on both FDEP's Map Direct database and EDM's report are incorrect. Given the separation distance and regulatory status, this site retains a risk rating of No.
15	**Lake Placid Contractor Yard** Venus, Florida 33960	ECHO 110040766454, ICIS-NPDES FLR10JF81	Howard Fertilizer + Chemical Co. Inc. (since 2011)	Adjacent south	NA	Low	FPC 1214B FPC 1214D FPC 1214C	This site was identified as Site 17 in the 2019 Level I CSER for a generic NPDES stormwater permit issued in 2010 and terminated in 2011 and was assigned a risk rating of Low given the lack of contamination concerns. No violations were reported. No address, coordinates or maps were found for this site. No new regulatory files were found. Based on the lack of contamination concerns, this site retains a risk rating of Low.
16 (EDM 5)	**Howard Fertilizer Inc.** 600 SR 70 (currently 12538 Distribution Blvd.)	TANKS 8519674 SPILLS: 53364SP SSTS: 035512FL004 TRI: 3385WHWRDF6 RCRANGR04: FLD07999953	Howard Fertilizer + Chemical Co Inc. (since 2011)	Tanks are 290 feet south Parcel is adjoining south	Petroleum, Fertilizer	Low	FPC 1214B FPC 1214D FPC 1214C	This site was identified as Site 18 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 site reconnaissance, this site was observed as Howard Fertilizer, an active fertilizer manufacturing (dry blending) and distribution facility. According to regulatory database research, this facility has five registered fuel storage tanks. Three ASTs (one 10,000-gallon diesel, one 15,000-gallon diesel, and one 15,000-gallon heating oil) were installed in 1969. The two diesel fuel ASTs are reportedly in service. The heating oil AST was reported "out of service" in 2012. Two USTs (one 3,000-gallon leaded gasoline and one 3,000-gallon unleaded gasoline) were installed in 1970 and removed in 1988. No petroleum discharges were reported. The nearest tanks are located approximately 300 feet south of the SR 70 ROW. See tank registration form excerpts, including a sketch in **Appendix E**. A fertilizer, nitrous oxide (N.O.S.) fire (SPILLS 53364) which affected soil and air was extinguished at this facility (no date provided). Other database listings were generic in nature and no violations or enforcements were reported. A small portion of proposed ROW is located along the southern side of SR 70; however, it does not include any significant contamination concerns. During the site reconnaissance on September 4, 2025 this site was observed as Howard Fertilizer, a fertilizer facility. The tank farm was observed 290 feet south of the proposed SR 70 ROW. The nearest structure is located over 220 feet south of the ROW. Given the distance from the proposed SR 70 ROW (290 feet south) and lack of a reported discharge, this site retains a risk rating of Low.
17	**Lake Placid Groves** 3000 Old SR 8	Aerial photographs, site reconnaissance	PAI Lake Placid Groves Inc. (since 2018)	Parcel is adjoining north	Petroleum, Herbicides, Pesticides	**Medium**	FPC 1214D	This site was identified as Site 20 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 and 2025 site reconnaissance, this site was observed as groves. No fuel storage tanks, mix/load areas, storage buildings, or maintenance facilities were observed within or adjacent to the SR 70 ROW. Review of historical aerials depicts groves since at least 1970. A small portion of proposed ROW is located along the northern side of SR 70; however, it does not include any significant contamination concerns. Since the active groves are adjoining the SR 70 ROW, this site increases to a risk rating of **Medium**.

18 (EDM 7)	**Georgia-Pacific** 400 SR 70 (currently 12537 Distribution Blvd.)	Institutional Control (IC) 621, TANKS 8520366 SPILLS 45042 HMIRSR04 I-2002050666, RCRANGR04 FLD045003613, ECHO 110001738184, 110053833465, VOLCLNP 305712, ERIC_6682 ERIC_13299	Ready Depot LLC (since 2022)	Parcel is adjoining south Soil contamination within ROW	Metals, Petroleum, Hazardous Waste	**High**	FPC 1214D	This site was identified as Site 19 in the 2019 Level I CSER and was assigned a risk rating **High** due to lead Soil Cleanup Target Level (SCTL) exceedances within and/or adjacent to the ROW. During the 2019 site reconnaissance, this facility was observed as an abandoned industrial facility. Remnants of Georgia Pacific signage was observed at this facility. During the site reconnaissance on September 4, 2025, although "Ready Windows" signage was noted, it was not obvious the facility was in operation (only one vehicle observed). "Georgia Pacific" signage was also noted. One groundwater monitoring well (locked in yellow steel casing) was observed 10 feet south of the ROW. The regulatory database research identified the following for this facility: Institutional Control (IC) #621: A restrictive covenant was recorded on April 22, 2010, imposing land use restrictions for lead impacted soil; and lead impacted soils were mixed with neat Portland cement forming a monument cover by approximately 2 feet of "clean soil cover." The Institutional Control and Engineering Controls Audit Program report (ICECAR) dated May 25, 2016 indicated this 16-acre light manufacturing industrial facility began operations in 1968 and is comprised of one office and three warehouse structures. Lead chromate-based inks were used to print labels on packaging materials with wash and wastewater discharged to floor drains which discharged to a septic tank and drainfield located in the northwest area (Area of Concern 1 (AOC-1); within and adjacent south of the SR 70 ROW), and three unlined ponds located south of the facility. Groundwater flow is depicted to the northwest, towards the SR 70 ROW. AOC-2, AOC-3, and AOC-4 are located over 600 feet south of the ROW and are considered a low risk. The facility was shut down in 2007. The report indicates lead concentrations in soil ranging from 1.4 to 1,700 milligrams/kilogram (mg/kg) (Residential Direct Exposure SCTL 210 mg/kg, Commercial/Industrial Direct Exposure SCTL 470 mg/kg), and chromium concentrations in soil ranging from 3.0 to 350 mg/kg (Residential Direct Exposure SCTL 400 mg/kg, and Commercial/Industrial Direct Exposure SCTL 1,400 mg/kg), were identified within and adjacent south of the SR 70 ROW. Groundwater analytical results were below Groundwater Cleanup Target Levels (GCTLs) in 2008. A Conditional SRCO was issued, and groundwater monitoring wells were abandoned in 2010. See excerpts in **Appendix E**. This area was observed as overgrown and wooded during the 2019 and 2025 site reconnaissance. No new assessment documents were found. The Lead SCTL exceedances within the SR 70 ROW remain a contamination concern. TANKS: EDM's report states this facility has a total of seven registered fuel storage tanks. Four tanks remain in-service: two 30,000-gallon heating oil USTs and two ASTs (diesel pump, heating oil). Two tanks (one 560-gallon diesel AST, and a 3,000-gallon diesel UST) were removed in 1989 and 1995. One 550-gallon diesel AST has been out of service since 1992. A Tank Closure Report dated May 1995 detailed the removal of two 30,000-gallon "Bunker C" USTs, one 1,000-gallon propane AST, one 560-gallon diesel AST, and one 280-gallon diesel AST. Stained soil was observed and excavated during removal activities. Groundwater analytical results were below GCTLs. A Monitor Well Log dated April 21, 1995 states the depth of shallow groundwater was 27.5 feet bls. A letter from the Department of Health and Rehabilitative Services dated July 1995 stated that no further remediation was required. SPILLS: Approximately 150-gallons of diesel fuel was discharged to soil, a ditch and a retention pond in 2011. Response actions were described as "product transferred," and a vacuum truck was used to remove impacted soil. According to the Discharge Report Form dated April 11, 2011, (found on OCULUS), approximately 100-200 gallons of diesel fuel were discharged from a 550-gallon AST on April 7, 2011. SWS, an abatement contractor, was hired for remediation services. See excerpts in **Appendix E**. A map depicted the discharge location approximately 600 feet south of the SR 70 ROW. Based on a distance of 600 feet, this discharge is not considered a contamination concern to the SR 70 ROW. No new regulatory files were found. HMIRS: The Hazardous Materials Information Resource System (HMIRS) Incident Report # I-2002050666 indicates on April 19, 2002 approximately 10-gallons of diesel fuel oil was discharged to asphalt from a hose leak at the product pump. Reportedly, diapers and "floor dry" were used to clean up the spill. Given the discharge was to an asphalt surface and small quantity, this discharge is considered a low risk. Given lead contamination is present within the SR 70 ROW, and groundwater flow towards the SR 70 ROW, this site retains a risk rating of **High**. Given the lead contamination within the SR 70 ROW, this site may trigger testing requirements necessary for NPDES permitting if dewatering is required within 500 feet of this site.
19 (EDM 8)	**AT&T Communications – Childs Microwave Tower**	TANKS: 8626671	Crown Castle GT Company LLC (since 2000)	Tank is 150 feet south	Petroleum (Heating Oil)	Low	NA	This site was identified as Site 21 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 and September 4, 2025 site reconnaissance, this facility was observed as Crown Castle cell tower. According to regulatory database research, this site has one registered 2,000-gallon kerosene UST which was installed in 1964 and

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	301 SR 70			Parcel is adjoining south				removed in 1989. A sketch included with the tank registration form (**Appendix E**) found on OCULUS depicts the former UST location approximately 150 feet south of the SR 70 ROW. No discharges were reported and no new regulatory files were found. A small portion of proposed ROW is located along the southern side of SR 70; however, it does not include any significant contamination concerns. Based on the separation distance and lack of a reported discharge, this facility retains a risk rating of Low.
20	**Glades Electric – Lake Placid Yard** 214 SR 70 and 221 SR 70	TANKS 8732786, ECHOR04: 110035599091, 11004406207, RCRAGR04: FLR000180182, FLR000090787	Glades Electric Cooperative Inc. (since 1980)	Adjoining north (Parcel) 120 feet north (Tank)	Petroleum, PCBs, Creosote, Solvents	Low	SMF 1204A	This site was identified as Site 22 in the 2019 Level I CSER and was assigned a risk rating of Low. During site reconnaissance, this site was observed as Glades Electric, a pole/equipment storage yard, office, maintenance bays, and two electrical substations (FPL Childs; and Glades Electric). A total of two diesel fuel ASTs were observed onsite. The nearest AST was an emergency generator base AST (approximately 300-gallons) located approximately 120 feet north of the SR 70 ROW. The second AST was a 12,000-gallon AST (and pump island) located approximately 250 feet north of the SR 70 ROW. A maintenance facility was located on the north side of the facility, approximately 320 feet north of the SR 70 ROW. Small transformers (approximately 20-30 gallons) were stored on concrete approximately 200 feet north of the SR 70 ROW. According to EDM's report, this facility has a total of three registered fuel storage tanks: one 5,000-gallon unleaded gasoline UST was installed in 1982 and removed in 1995, one 3,000-gallon diesel UST was installed in 1989 and removed in 1995; and one 12,000-gallon diesel AST was installed in 2002 and is in-service. No discharges were reported. This facility was also identified with ECHO and RCRA database listings as a Small Quantity Generator (SQG) of hazardous waste with no violations reported. A Florida Department of Health & Rehabilitative Services (currently Florida Department of Health) letter dated March 12, 1996 stated, after a review of the "Closure Assessment" report dated February 15, 1996, that "contamination levels" did not exceed FDEP "target levels." The letter concluded "no further remediation is necessary at this time." A sketch included in the Closure Assessment report dated February 13, 1996 depicted the two former USTs approximately 300 feet north of the SR 70 ROW (see **Appendix E**). During the site reconnaissance on September 4, 2025, this site was observed as a Glades Electric and a pole/equipment storage yard. A large AST was observed within the yard approximately 250 feet north of the SR 70 ROW. There have been no reported discharges since the 2019 CSER. In the most recent Site Inspection Report dated August 2023, the facility was found to be in compliance. No violations have been identified on the ECHO database for Fac ID 110035599091 from April 2023 to March 2026. No results are available for Fac ID 11004406207. No additional information is available for FLR000180182 and FLR000090787 since the 2019 CSER. Given the lack of reported discharges, this site retains a risk rating of Low.

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21	**Smoak & Sons/ Smoak Citrus** 196 SR 70	TANKS: 8626327	Smoak Citrus Development PRTSP (since 1986)	Adjoining north (Parcel) 550 feet north (Tank)	Herbicides, Pesticides, Petroleum	**Medium**	SMF 1204A	This site was identified as Site 23 in the 2019 Level I CSER and was assigned a risk rating of **Medium** due to the groves located within the proposed SR 70 ROW. During the 2019 and September 4, 2025 site reconnaissance, this site was observed as a citrus grove. No fuel storage tanks, mix/load areas, storage buildings or maintenance facilities were observed within proposed or adjacent to existing SR 70 ROW. However, a small portion of proposed ROW is located along the northern side of SR 70 and west side of US 27, including areas which are currently in use as groves. This facility was identified on the FDEP MapDirect database but was not identified in the EDM report. A letter from Smoak & Sons dated June 4, 1990 found in the OCULUS database stated, "these tanks will be removed from underground within next 60 days and paperwork for abandonment will be completed by the same company." No maps or sketches were found for this particular location (north of SR 70). No discharges were reported. Based on Google Earth aerial photographs, a structure where tanks may be located was depicted approximately 550 feet north of the SR 70 ROW. Tierra emailed Mr. Doug McCoy, FDOH Okeechobee County (local program for Highlands County), on November 6, 2018, for information for this facility. Mr. McCoy's email dated November 7, 2018 stated there may be relevant information within the files for Fac. ID 8519817, and there have been no reported discharges since the 2019 CSER. Tierra found no relevant information within the OCULUS documents for Fac. ID 8519817. See emails in **Appendix E**. Given the active groves partially within proposed US 27 and SR 70 ROW and adjoining the existing ROW, this site retains a risk rating of **Medium**.

22	**Wedgworth (Former Douglas Fertilizer/ The Andersons)** 211-213 SR 70	TANKS 8732475, ERIC_18066, SEMS/ RCRAGR04 FLD070080924 SPILLS 55581 ECHO 110045965773, 110070244794, ERNS 121531, 245440	Wedgworths Inc. (since 2017)	Adjoining south of SR 70 (Parcel) 350 feet south (tanks)	Herbicides, Pesticides, Petroleum, Fertilizer	**Medium**	SMF 1204A	This site was identified as Site 24 in the 2019 Level I CSER and was assigned a risk rating of **Medium** given the history of discharges and violations, and close proximity to the SR 70 ROW. During the 2019 and September 4, 2025 site reconnaissance, this facility was observed as Wedgworth, an active fertilizer plant. An office and parking area were located just south of SR 70, and the plant (with many ASTs) was located farther south. A small portion of proposed ROW is located along the southern side of SR 70, decreasing the distance to known contamination concerns on site. TANKS: The FDEP STCM database, EDM's report, and GeoSearch report all differ in the number of registered tanks (21 to 41). Therefore, the exact number of tanks on site cannot be confirmed. EDM's report states this facility has 41 registered storage tanks. The nearest storage tanks were located at least 350 feet south of the SR 70 ROW. Contents included generally diesel, leaded gasoline, mineral acid, ammonia, "miscellaneous petrol-based product", and "other non-regulated" substances. Fifteen tanks were removed, one tank was for non-regulated use/process, seven tanks were deleted, two tanks were out of service, and sixteen tanks remain in service (thirteen tanks reported the installation date as their status). Tank sizes range from 1,800-gallons to 300,000-gallons. No discharges were reported from the tanks. The most recent Site Inspection Report dated July 2023 states that the facility was in compliance. ERIC_18066: Nitrate groundwater contamination assessment and remediation has been on-going since 1993. The most recent Biennial Groundwater Quality Report dated February 19, 2026 states the overall trend appears to be a reduction in groundwater nitrate concentrations; eight wells exceeded GCTLs but not Natural Attenuation Default Concentrations (NADCs); and groundwater flow is to the west. Recommendations include 1) continue pumping groundwater from MW-4IRG for irrigation and "make-up water" during the liquid fertilizer blending process and 2) continue biennial groundwater Natural Attenuation Monitoring (NAM). Nitrate concentrations at the three wells (DFN-5, DFE-6, and DFW-7) closest to the proposed SR 70 ROW exceeded the GCTL in the 2024 and 2025 sampling events. The FDEP email review letter dated March 23, 2026 states groundwater flow was reported westward which differs from previous flow to the north-northwest. The FDEP recommended resurveying the wells, and if groundwater flow is determined westward, another well will be required in that direction. The next biennial report was anticipated to be submitted in late 2027. Measured depth to groundwater ranged from 11.27 feet to 19.4 feet below top of casing in November 2025. No additional regulatory files are available for review at this time. SEMS/SEMSARCH: EDM's report stated that this facility was brought to the attention of the EPA as a potential hazardous waste site on February 1, 1985. A preliminary assessment was completed on April 3, 1986. A site inspection was performed on January 15, 1991. On July 31, 2003, this facility was determined not to be a National Priority List (NPL) site. The EPA archived this site on July 7, 2017. The EPA "Reassessment Report" dated November 22, 2002 found on the OCULUS database states this facility (Douglas Fertilizer and others) was a fertilizer mixing plant and distribution facility. A "percolation pond" located north of the plant was used to dispose of "rinse waters." Open ditches from a truck wash station and maintenance garage also discharged into this percolation pond. A map included in the report depicted the percolation pond located approximately 350 feet south of the SR 70 ROW. Although testing locations (MW-4) were depicted on the map closer to the SR 70 ROW, testing results were not found in the report. While herbicides and pesticides were not used in the batch process, they were stored at this facility in 55-gallon drums and mixed at their destinations. Soil, sediment, surface water, and groundwater laboratory testing was historically performed at this facility. The FDEP issued warning letters and violation notices for this facility since 1983. Many of the violations were directed toward remediation of the percolation pond, including a groundwater monitoring plan. See report in **Appendix E**. RCRAGR04: This facility was also identified as a SQG of hazardous waste (less than 100 kilograms per month). Based on site inspections, violations were reported in 1993 and 2012. Both violations achieved compliance shortly afterwards. ERNS: The GeoSearch report states 80-gallons of diuron (pesticide) was discharged when a portable tank fell off a truck while turning around in the driveway on June 22, 1994. Remedial action is described as "using sorbents." Based on the location of the discharge in the "driveway," which may have been within the SR 70 ROW, this discharge is considered a contamination concern. Additionally, the GeoSearch report states 5-gallons of diesel fuel was discharged due to a fuel pump shut off malfunction on June 11, 1992. No remedial actions were reported. Based on the *de minimis* nature, this discharge is not considered a contamination concern at this time. No new regulatory files were found under Fac ID FLD070080924. Based on the active tanks, history of contamination, groundwater flow historically towards the SR 70 ROW, and the potential for contamination concerns near SR 70, this site retains

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								a risk rating of **Medium**. Given the history of discharges, some of which may have been within or near the SR 70 ROW, this site may trigger testing requirements necessary for NPDES permitting if dewatering is required within 500 feet of this site.
23	**American Tower** 101 SR 70	Aerial photographs, site reconnaissance	American Tower Systems LP (since 1998)	Adjoining south of SR 70 (Parcel) 200 feet south (Tank)	Petroleum	Low	SMF 1204A	This site was identified as Site 25 in the 2019 Level I CSER and was assigned a risk rating of Low. This facility was observed during site reconnaissance in 2019 and September 4, 2025 as a communications tower. It was not identified in the EDM report or on the MapDirect database. Typically, cell towers have an emergency generator fueled by either diesel or propane. A small portion of proposed ROW is located along the southern side of SR 70; however, it does not include any significant contamination concerns. Given the lack of a reported discharge and the distance of the tower from the proposed SR 70 ROW (approximately 200 feet south), this site retains a risk rating of Low.
24	**Chevron #48021 (Former 27 Truck Stop)** 2758 US 27 South	TANKS: 9046139 & 8626328 ERNS 99921, RCRAGNR04 FLD984186379	Super Petroleum Inc. (since 2019)	Adjoining south of SR 70 and west of US 27	Petroleum	**Medium**	NA	This site was identified as Site 26 in the 2019 Level I CSER and was assigned a risk rating of **Medium** based on its active use as a gasoline station and proximity to the ROW (adjoining). During the 2019 site reconnaissance, this facility was observed as an active Chevron retail fuel station. The tank farm was located approximately 140 feet south of the SR 70 ROW, and the pump islands were approximately 80 feet south. Chevron (former VIP Stop) (8626328): EDM's report states this facility had a total of six registered USTs (three 10,000-gallon diesel, unleaded and leaded gasoline; one 5,000-gallon unleaded gasoline, one 3,000-gallon diesel, and one 550-gallon waste oil) installed in 1971 and removed (no date provided). No discharges are reported in OCULUS files; however, EDM's report states that a discharge occurred in December 1988. No information is available on cleanup. Former 27 Truck Stop (9046139): EDM's report states this facility had a total of six registered USTs (three 10,000-gallon unleaded gasoline; one 12,000-gallon diesel, and two 20,000-gallon diesel and unleaded gasoline) installed in 1990 and 2009. Four USTs were removed in 2009, and two 20,000-gallon USTs remain active. One discharge was reported on January 6, 1993 with an SRCO issued on March 22, 1995. Based on the Closure Assessment Report dated April 13, 2009, four USTs (three 10,000-gallons and one 12,000-gallons) were removed in 2009 and replaced with two 20,000-gallon USTs. Soil and groundwater analytical results were below CTLs, and no further action was recommended at that time. No figures were included in the report. However, the tanks were reportedly located south of the store. Depth to shallow groundwater was not reported. ERNS 99921: Approximately 10-gallons of "sterilized medical waste" was discharged at this facility on December 17, 1991. No remedial action was performed. Based on the *de minimis* nature and time for natural attenuation, this discharge is not considered a contamination concern at this time. There have been no reported discharges since the 2019 CSER. Based on the proposed improvements and site location, a Level II Impact to Construction Report dated January 2021 further evaluated the Chevron (Map ID 24) and Circle K (Map ID 25) gas stations, sampling along SR 70 within the existing ROW. Organic Vapor Analyzer (OVA) screening results were 0.5 parts per million (ppm) or less at the four boring locations. No soil or groundwater analytical testing was performed. The report states no areas of suspected soil contamination or groundwater monitoring wells were noted within the SR 70 ROW along the north side of the gas station (**Appendix E**). The most recent Site Inspection Report dated May 2024 states that the facility is minor out of compliance due to improper maintenance of records. No information is available under RCRAGNR04 FLD984186379. During the site reconnaissance on September 4, 2025, the site was observed as an active Mobil gas station. *De minimis* stains were observed around the pump island. No monitoring wells were noted. A small portion of proposed ROW is located along the southern side of SR 70; however, it does not include any significant contamination concerns. Based on the site's current status as an active Mobil gas station, this site retains a risk rating of **Medium.**

Table 8-1 Risk Ratings for Contamination Sites

Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
25	**Shell / Circle K #2707451** 2742 US 27 South	TANKS/DEP CLEANUP: 8519614, ECHO 110025312463, RCRAGR04 FLD984254979	DBNCH Circle LLC (since 2003)	Adjoining north of SR 70	Petroleum	**Medium**	NA	This site was identified as Site 27 in the 2019 Level I CSER and was assigned a risk rating of **High** due to its location adjacent to the ROW, a history of petroleum discharges, ongoing remediation, and active status as a gasoline station. During the 2019 site reconnaissance, this site was observed as an active Circle K / Shell retail fuel station. The tank farm was noted approximately 90 feet north of the SR 70 ROW, and pump islands were closer. EDM's report states this facility has a total of seven registered fuel storage tanks: five USTs (three 10,152-gallons unleaded gasoline and two 12,032-gallon diesel) installed in 1982 were removed in 2009. Two 22,000-gallon USTs (unleaded gasoline and diesel) installed in 2009 remain in service. Three discharges were reported: March 1988, November 1996, and April 2008. The March 1988 and November 1996 discharges were combined under the Early Detection Incentive program funding. This site's status was set as a conditionally exempt small quantity generator of hazardous waste in April 1993 under the Fac ID FLD984254979. Site assessment was performed in December 1995 and October 2000, determining that groundwater was above GCTLs, while there were no exceedances for soil. Remedial action occurred from June 2001 to June 2009. Further site assessment was performed following the April 2008 discharge, which identified soil contamination exceeding SCTLs. Additional assessment was performed in August 2009. Remedial action continued from November 2011 to June 2022, when the site transferred to Post Active Remediation Monitoring (PARM). The PARM Report dated November 2023 stated that groundwater contamination was below GCTLs and recommended SRCO status. The most recent Natural Attenuation Monitoring Verification Sampling Report dated October 2024 collected samples to verify these results. Monitoring wells MW-9 (approximately 50 feet west of proposed US 27 ROW) and MW-21 (approximately 60 feet west) showed exceedances of GCTLs. Depth to groundwater ranged from approximately 9 feet to 20 feet bls and groundwater flow is depicted to the northeast, towards the US 27 ROW (**Appendix E**). During the site reconnaissance on September 4, 2025, the site was observed as an active Circle K gas station. Multiple monitoring wells were observed, as well as cuts in concrete indicating the presence of remediation systems. *De minimis* stains were observed around the pump islands. A large Diesel Exhaust Fluid (DEF) poly-AST was observed south of the store. Given that DEF contains less than 0.3% ammonia (remaining constituent is water), it meets the *de minimis* exception provided in regulations. No new violations were noted on the EPA ECHO database since the 2019 CSER. Based on the proposed improvements and site location, a Level II Impact to Construction Report dated January 2021 further evaluated the Chevron (Map ID 24) and Circle K (Map ID 25) gas stations, sampling along SR 70 within the existing ROW. Organic Vapor Analyzer (OVA) screening results were 7.2 ppm or less at the four boring locations. Soil and groundwater results were below Cleanup Target Levels (CTLs). The report states no areas of suspected soil contamination or groundwater monitoring wells were noted within the SR 70 ROW along the south side of the gas station (**Appendix E**). A small portion of proposed ROW is located along the western side of US 27, including the area of the tank farm. Given multiple open discharges, this site may trigger testing requirements necessary for NPDES permitting if dewatering is required within 500 feet of this site. Based on the site's current status as an active gas station and since contamination impacts were not confirmed to be within the SR 70 ROW, the site is reduced from a risk rating of **High** to **Medium**.

Table 8-1 Risk Ratings for Contamination Sites

Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
26	**Lake Placid Caretakers Inc.** HWY 27 South of HWY 70 101 SR 70	TANKS: 8733682	Reynolds Farms, Inc. (since 1995)	Parcel is within US 27 ROW, and adjoining south of SR 70 ROW	Herbicides, pesticides, arsenic, petroleum	**Medium**	NA	The FDEP STCM database states that the site has two registered tanks. One 500-gallon diesel generator/pump AST was installed in September 1988 and remains active. One 500-gallon diesel UST was removed from the site in September 1988. No discharges are reported. However, since no tank closure reports or recent assessment records are available, contamination concerns cannot be determined based on the information provided. Tank coordinates provided in the Storage Tank Inspection Report Form dated May 1992 correspond with the MapDirect marker, located approximately 200 feet south of the US 27 project limit. Presumably, the tanks were located in this vicinity. Although sought, no AST or evidence of a UST was noted during the site reconnaissance. No AST is apparent in historical aerial photographs at this location. During the site reconnaissance, the general area was observed as active groves. A small portion of proposed ROW is located along the eastern side of US 27, including areas which are currently in use as groves. Given the groves located within the proposed US 27 ROW, and insufficient records regarding closure testing for the former UST, this site is assigned a risk rating of **Medium**. This site should be considered for Level II testing if proximal to subsurface excavations or dewatering during construction.
27	**Former Groves and Gas Station** 2741 US 27 South	Florida Memory/ State Library and Archives of Florida	Lindner Mark L TR, Rapps William D TR (since 2007) M & A Brothers Realty No. 26 Inc (since 2025)	Adjoining north/partially within proposed SR 70 ROW	Petroleum Herbicides, Pesticides	**Medium**	NA	This site was identified as Site 28 in the 2019 Level I CSER and was assigned a risk rating of **Medium** due to former groves located within the proposed SR 70 ROW. During the 2019 site reconnaissance, this site was observed as a grassy field. No tanks, maintenance/storage structures, mix/load areas, or hazardous materials were noted within proposed or adjacent to the existing SR 70 or US 27 ROWs. Historical aerial photographs depict this site as groves from at least 1970 to 2014. As many as four structures were depicted from 1958 to 2017 at the northeast corner of the US 27/SR 70 intersection. No regulatory files were found. During the site reconnaissance on September 4, 2025, the site was observed as a paved area (former structure location) at the northeast corner of the US 27/SR 70 intersection. No evidence (pipes, groundwater monitoring wells, etc.) of a former gas station was noted during the site reconnaissance. Surrounding areas to the north and east were open fields. However, a 1950 photograph found on the State of Florida's "Florida Memory" database depicts "Bair's Restaurant," including a Standard Oil sign and pump island. Although aerial photographs also depict development at the southwest and northwest corners of the intersection between 1944 and 2017, the layout depicted on the 1950 photograph most closely resembles that located at the northeast corner. Additionally, topographic maps depict the "Bairs Den" label at the northeast corner of the intersection. It appears the photograph was taken southwest of the restaurant looking northeast. Although no regulatory files were found, the Level II Impact to Construction Report dated January 2021 includes a figure which depicts one soil boring, SB-4 (depth 16 feet bls) located at the northeast corner of the intersection (within FDOT ROW). The highest OVA reading was 0.5 ppm. No soil or groundwater samples were collected for laboratory analysis (**Appendix E**). Saturated soil (depth of shallow groundwater) was reported at 15 feet bls. Given the lack of tank closure documentation, it is possible USTs remain within or near the FDOT ROW. Since US 27 and SR 70 widening occurred between the 1950s to 1970s, it is also possible USTs remain below the existing roadway, or were removed during construction, likely without assessment or closure documentation. A small portion of proposed ROW is located along the northern side of SR 70, including areas which were formerly used as groves and have not been redeveloped. Given the likelihood USTs remain within or near FDOT ROW, lack of tank closure documentation, and former groves within proposed and adjoining the existing SR 70 ROW, this site retains a risk rating of **Medium**.

Table 8-1 Risk Ratings for Contamination Sites

Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
28	**Reynolds Groves/Reynolds Farms Inc** 101 SR 70	TANKS: 8519993	Reynolds Farms Inc. (since 1995)	Adjoining south (Parcel) 865 feet south (tank)	Petroleum, Herbicides, Pesticides	**Medium**	NA	This site was identified as Site 29 in the 2019 Level I CSER and was assigned a risk rating **Medium** due to active groves located in the proposed US 27 ROW. The FDEP STCM database states that the site formerly maintained one 1,000-gallon AST and one 2000-gallon UST, both containing generator/pump diesel. The tanks operated on various dates from January 1984 to August 1999. The site currently maintains one 550-gallon generator/pump diesel AST, which was installed in August 1999. No discharges are reported. However, since no tank closure reports or recent assessment records are available, contamination concerns cannot be determined based on the information provided. During the 2019 site reconnaissance, this site was observed as a grassy field. Historical aerial photographs depict this site as groves since at least 1993. No tanks, maintenance/storage structures, mix/load areas, or hazardous materials were noted within proposed or adjacent to the existing SR 70 ROW during the 2019 site reconnaissance. A small portion of proposed ROW is located along the eastern side of US 27, including areas which are currently in use as groves. During the site reconnaissance, the facility was observed as an active grove. The active tank could not be viewed from the SR 70 ROW. Given active groves located within the proposed US 27 ROW, and adjoining south of SR 70, this site retains a risk rating of **Medium**.
29	**Eagle Plant Nursery** 300 SR 70 East	Aerial photographs, site reconnaissance	McDougald Jeffrey and Nancy (since 2001)	Adjoining north (Parcel)	Herbicides, Pesticides	Low	NA	This site was identified as Site 30 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 and September 4, 2025 site reconnaissance, this site was observed as Eagle Nursery, an active plant nursery. Historical aerial photographs depict this site as a plant nursery since 2004, and groves prior to the plant nursery. No tanks, maintenance/storage structures, mix/load areas, or hazardous materials were noted adjoining the SR 70 ROW during the 2019 site reconnaissance. Storage sheds and propane tanks (no petroleum storage tanks) were noted at least 100 feet north of the SR 70 ROW. Given the lack of contamination concerns noted, this site retains a risk rating of Low.
30	**Sunburst RV Park** 303 SR 70 East	ECHO: 110027964246	Sunshine MHRV LLC (since 2022)	Adjoining south	NA	No	NA	This site was identified as Site 31 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 site reconnaissance, this site was observed as Sunburst RV Park. No maintenance/storage structures, tanks, mix/load areas, or hazardous materials were noted within or adjacent to the SR 70 ROW during the review of historical aerial photographs or site reconnaissance. No violations were reported. No new files were found. During the site reconnaissance, on September 4, 2025, the site was observed as Sunshine RV Park. No contamination concerns were noted. A small portion of proposed ROW is located along the southern side of SR 70; however, it does not include any significant contamination concerns. Based on the lack of contamination concerns, this site is reduced to a risk rating of No.
31	**Alpine Mobile Home Park** 18 Center Street	ECHO: 110027950929,	Alpine Village Roc Inc (since 2007)	Adjoining north of SR 70	NA	No	NA	This site was identified as Site 32 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 site reconnaissance, this site was observed as Alpine Mobile Home Park. No maintenance/storage structures, tanks, mix/load areas, or hazardous materials were noted within proposed or adjacent to the existing SR 70 ROW during the review of historical aerial photographs or site reconnaissance. No violations were reported. During the site reconnaissance on September 4, 2025, the site was observed as Alpine Village, a mobile home park. No contamination concerns were noted. No new files were found. Given the lack of contamination concerns, this site is reduced to a risk rating of No.

Table 8-1 Risk Ratings for Contamination Sites

Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
32	**Ekhoff Groves** 23 Ekhoff Lane	Aerial photographs, site reconnaissance	Golaub Gasford R Jr (since 2023)	Adjoining north/partially within proposed SR 70 ROW (Parcel) 65 feet north (Tank)	Pesticides, herbicides	**Medium**	FPC 1301A SMF 1301A	This site was identified as Site 33 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 site reconnaissance, this site was observed as groves. One 500-gallon diesel AST was noted at an irrigation pump shed approximately 80 feet north of the SR 70 ROW. No maintenance/storage structures, mix/load areas, or hazardous materials were noted within or adjacent to the SR 70 ROW during the review of historical aerial photographs or site reconnaissance. A small portion of proposed ROW is located along the northern side of SR 70, including an area formerly used for citrus groves that has not been redeveloped. During the site reconnaissance on September 4, 2025, the site was observed as abandoned groves. A pump shed and AST were partially visible from accessible areas (approximately 65 feet north of SR 70). Given former groves were located within proposed and adjoining north of the existing SR 70 ROW, this site increased to a risk rating of **Medium**.
33	**Lake Placid Groves – Veli Block** 500 Cambria Road	TANKS: 9046277	PAI Lake Placid Groves Inc (since 2023)	Within proposed SR 70 ROW (Parcel)	Petroleum, pesticides, herbicides	**Medium**	FPC 1303A FPC 1306A SMF 1302C FPC 1309C	This site was identified as Site 34 in the 2019 Level I CSER and was assigned a risk rating **Medium** due to groves within the proposed SR 70 ROW. During the 2019 site reconnaissance, this site was observed as groves within proposed SR 70 ROW. During the site reconnaissance on September 4, 2025, the eastern area remained the same with groves within proposed SR 70 ROW, but the majority of this site was sandy and overgrown (groves were removed). One 1,000-gallon diesel AST was noted at an irrigation pump shed approximately 50 feet south of the SR 70 ROW during both site reconnaissance events. No maintenance/storage structures were noted within proposed or adjacent to the existing SR 70 ROW during the review of historical aerial photographs or site reconnaissance. This facility was identified on the MapDirect database. The FDEP's STCM database states this site has twelve registered ASTs. Three active petroleum ASTs were installed in 1992 and 2001. Nine ASTs were removed. Figures found in the Lake Placid Grove assessment report dated July 20, 1999 depict two petroleum discharge locations (**Appendix E**). Since both discharges are located over a mile north and south of the project limits, the discharges are not considered a contamination risk. The most recent routine tank inspection dated September 28, 2023 states this site is in compliance. Due to the presence of active groves within proposed SR 70 ROW, this site retains a risk rating of **Medium**.
34	**Sutton Property** 1313 SR 70	Aerial photographs, site reconnaissance	Sutton Teresa Tamea TRS (since 2007)	Within proposed SR 70 ROW (Parcel) 130 feet south (debris)	Debris	Low	FPC 1309C	During the 2025 site reconnaissance, this site was observed as a residence. Historical aerial photographs depict this site as a residence since at least 1999. A shed was observed in the central portion of the property, south of the residence. Two 55-gallon drums were observed outside of the shed. No labels, staining, or stressed vegetation were observed. Debris was noted along the eastern boundary of the property, primarily consisting of plastic components. A collapsed tote, two 5-gallon buckets, and several tires were noted approximately 130 feet south of the proposed SR 70 ROW. No labels, staining, or stressed vegetation were observed. A portion of proposed ROW is located along the southern side of SR 70; however, it does not include any significant contamination concerns. Based on the distance of the noted debris from the proposed SR 70 ROW (approximately 130 feet south), this site is assigned a risk rating of Low.

Table 8-1 Risk Ratings for Contamination Sites

Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
35	**Former K-W Farms** 1411 SR 70	TANKS: 8943012, 8842476	Keystone Bear Hollow LLC (since 2017)	Within proposed SR 70 ROW (Parcel)	Petroleum, herbicides, pesticides	**High**	FPC 1309C	This site was identified as Site 35 in the 2019 Level I CSER and was assigned a risk rating of **High** due to a lack of tank closure documentation and its location within the proposed SR 70 ROW. During the 2019 site reconnaissance, this site was observed as a concrete slab and asphalt driveway. Several petroleum stains were noted on the asphalt driveway. The FDEP STCM database states that the site under FAC ID 8943012 formerly maintained two 1,000-gallon vehicular diesel USTs, which were installed in 1981 and 1982 and were subsequently removed in 1988. Under FAC ID 8842476, the site formerly maintained one 550-gallon vehicular diesel AST, which was installed and removed on unknown dates. No tank closure information is available. No discharges were reported. Two tank registration forms were found on the OCULUS database under FAC ID 8943012. The tank registration form dated June 11, 1992 included coordinates for this facility which were located at 1411 SR 70. This site was first depicted in 1944. The facility located at 125 K-W Farms Road did not exist in 1981, based on the 1981 aerial photograph. Therefore, it appears more likely the coordinates plotted at 1411 SR 70 was the actual location of the USTs. An email provided by Doug McCoy, FDOH, on August 22, 2019 stated "We inherited the program in the early 90's. The DEP transferred their files to us. The file for this site only shows an after the fact inspection conducted in 1992 by South District where they visited the site and verified the tanks removal in 1988. No pictures or drawings were included in the inspection. No closure documents were included in the file" (**Appendix E**). The FDEP did not respond to the same information request submitted on August 21, 2019. During the site reconnaissance on September 4, 2025, the site was observed as a concrete slab (structural remnants) and asphalt driveway. Several asphalt stains were observed, but unusual odors were not noted. No new regulatory files were found. Although evidence of USTs was not noted during the site reconnaissance, given the lack of closure assessment documentation, it is possible the USTs remain within or near the SR 70 ROW. Additionally, given the lengthy duration of this facility (since 1944), there is a likelihood of unreported discharges. It is also likely herbicides and pesticides were stored at this facility. In May 2025 and February 2026, buried debris was encountered at three boring locations while performing geotechnical soil borings. Debris included metal and plastic to a depth of four feet bls within proposed SR 70 ROW. The debris area (approximately 50 feet by 50 feet so far) was encountered approximately 150 feet south of the SR 70 edge of pavement, on the east side of the former structures. See future geotechnical report for details. East of the structure(s), aerial photographs depict clearing and a ditch in 1953 and 1958, overgrowth and clearing from 1993 to 1994, pasture and ditches in 2010, and overgrowth from 2014 to 2025. A significant portion of proposed ROW is located along the southern side of SR 70, including the concrete slab and potential former tank locations. Given the location within the SR 70 ROW, potential for two USTs within or near proposed SR 70 ROW, lack of tank closure documentation, likelihood of unreported discharges, and buried debris, this site retains a risk rating of **High**.
36	**Pump House** 1470 SR 70	Aerial photographs, site reconnaissance	Pindar Acquisitions LLC (since 2008)	Adjoining north of SR 70 230 feet north (pump house)	Hazardous materials	Low	NA	This site was identified as Site 36 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 and September 4, 2025 site reconnaissance, this site was observed as a pump house, including a tank (presumably water) just north of the pump house. This site was not identified in the EDM report or on the MapDirect database. The pump house was noted approximately 230 feet north of the SR 70 ROW. Based on the distance from the project ROW (approximately 235 feet) and the lack of a reported discharge, this site retains a risk rating of Low.
37	**Griffin Trees** 845 SR 70	Aerial photographs, site reconnaissance	Griffin Trees Inc, Green Trees of Florida Inc (since 1989)	Adjoining north of SR 70 (Parcel)	Pesticides, herbicides	Low	NA	This site was identified as Site 37 in the 2019 Level I CSER and was assigned a risk rating of **Medium** since a tree farm was located within proposed SR 70 ROW. During the 2019 and September 4, 2025 site reconnaissance, this site was observed as Griffin Trees, an active palm tree farm. Historical aerial photographs depict this site as a tree farm since at least 1993. No tanks, maintenance/storage structures, mix/load areas, or hazardous materials were noted within or adjacent to the proposed SR 70 ROW during the 2019 or September 4, 2025 site reconnaissance. A 30-foot wide ditch provides separation between the tree farm and the SR 70 ROW. Given the separation distance, the risk rating for this site is reduced from Medium to Low.

Table 8-1 Risk Ratings for Contamination Sites

Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
38	**Blanco and Turner Property** 1571 SR 70 East	Aerial photographs, site reconnaissance	Blanco Lacey and Turner Amber (since 2003)	Within proposed SR 70 ROW	Debris	Low	NA	This site was observed during the 2025 site reconnaissance as a residence, including ten to twelve structures used for livestock shade, feed, and supplies. A vertical poly tank was observed on its side to the southeast of the residence (northeast area of parcel). The AST was presumably for water and appeared empty. No label, stains, or odors were noted. A pile of timber mats was noted along the eastern boundary of the property and is presumed to be treated with creosote based on appearance. The mats are associated with on-going utility work and were noted for miles along SR 70. The mats were not noted on the most recent aerial photograph dated March 2025, meaning their duration at this location has been relatively short. Although debris was noted throughout the property, no hazardous materials or petroleum products were noted. This parcel is entirely within proposed ROW located along the southern side of SR 70. Given the short-term presence of potentially creosote-treated timber mats within the SR 70 ROW, this site is assigned a risk rating of Low.
39	**K-W Farms / Kelly Bulb Farm** 125 K-W Farms Road	TANKS: 8943012, 8842476	L323 Holdings LLC (since 2023) Keystone Bear Hollow LLC	Within proposed SR 70 ROW (Parcel)	Pesticides, herbicides, petroleum	**Medium**	SMF 1303A	This site was identified as Site 38 in the 2019 Level I CSER and was assigned a risk rating of **Medium** due to groves within the proposed SR 70 ROW. During the 2019 site reconnaissance, this site was observed as groves and overgrown fields. One poly tank used for the decon station at the entrance to this facility was located within the SR 70 ROW. Maintenance/storage structures were observed approximately 1,000 feet south of the SR 70 ROW. Additionally, the ROW appears to encompass land used by the grove. This site is associated with Map ID 35 - Former K-W Farms (located 0.3 miles west) as previously discussed. A significant portion of proposed ROW is located along the southern side of SR 70, including areas that are currently used as groves. During the site reconnaissance on September 4, 2025, this site was observed as former groves/pasture. The decon station poly tank mentioned in the 2019 site reconnaissance remains within the SR 70 ROW. No additional regulatory files have been made available since the 2019 CSER. Since former groves were located within the proposed SR 70 ROW, this site retains a risk rating of **Medium**.
40	**Pole Barn** 2085 C.R. 29	Aerial photographs, site reconnaissance	LL Bar LLC (since 2025)	Adjoining north of SR 70 (Parcel) 180 feet north (Structure)	Pesticides, herbicides, petroleum	Low	SMF 1303A	This site was identified as Site 39 in the 2019 Level I CSER and was assigned a risk rating of Low. During the 2019 site reconnaissance, this site was observed as a pole barn with farm equipment and vehicles scattered around the pole barn. One 50-gallon portable agrichemical tank was noted inside the barn. Historical aerial photographs depict this facility under construction in 2017. No fuel storage tanks were noted. No regulatory files were found. During the site reconnaissance on March 3, 2026, this site was observed as a pole barn. A small, rusted tank was observed in the northeastern portion of the property (approximately 260 feet north of SR 70), along with a debris pile, storage crate, and tote near the structure. Given the distance of the structure from the ROW (approximately 180 feet north), this site retains a risk rating of Low.
41	**Rucks Former Crops**	Aerial photographs, site reconnaissance	Rucks Chad W TTEE, Rucks Traci Renee TTEE, and Chad W Rucks Liv TR Since 2014	Within and adjoining south of SR 70 ROW	Pesticides, herbicides	**Medium**	SMF 1303A	During the 2026 site reconnaissance, this site was observed as a pasture. No tanks, maintenance/storage structures, mix/load areas, or hazardous materials were noted within or adjacent to the proposed SR 70 ROW. Historical aerial photographs depict woods and pasture from 1944 to 1970. The site was first depicted as pasture in 1981. Row crops were depicted from at least 2004 to 2005. Pasture was depicted from 2006 to 2025. No regulatory files were found. A significant portion of proposed ROW is located along the southern side of SR 70, including areas that were formerly used for row crops and have not been redeveloped. Given the former use as crops, this site is assigned a risk rating of **Medium.**

Table 8-1 Risk Ratings for Contamination Sites

Map ID Number/ (EDM Number)	Site Name & Address	Databases/ Facility ID/ Other Sources	Property Owner(s)	Distance from SR 70 ROW	Contaminants of Concern	Risk Rating	Drainage Sites Affected	Comments
42	**SR 70 Desoto County** From US 27 to Harney Pond Canal	ECHO: 110022844243	NA	NA	NA	No	NA	This site was identified as Site 41 in the 2019 Level I CSER and was assigned a risk rating of No. Harney Pond Canal is located approximately five miles east of the east project limit. DeSoto County is located west of this project. The DMR Exceedances Report on the EPA ECHO database states no violations were identified for the NPDES minor permit (NPDES ID: FLR10BB43) which was issued in July 2005 and expired in July 2010 (**Appendix E**). It is presumed that this permit may have been for ditch cleaning or minor adjustments to the roadside ditch or ditches along SR 70. Based on the generic nature of the ECHO database listings and lack of contamination concerns, this listing is considered a low risk. This site is not plotted in **Appendix A** since the location could not be confirmed. No new files were found. This site retains a risk rating of No.

Table 8-2 Risk Ratings for Drainage Sites

Drainage Site Name	Owner(s) Since (year)	Contaminants of Concern	2019 PD&E Risk Rating	2025 Preliminary Risk Rating	2026 Risk Rating	Comments
FPC 1211B	Youngman Frank C 2014	Petroleum, Herbicides, Pesticides	NA	**Medium**	**Medium**	This drainage site was not included in the 2019 CSER. It was included 2025 Contamination Matrix with a footprint larger than the footprint currently being evaluated and was assigned a risk rating of Medium since it was used for agriculture and has an open discharge within 500 feet. Aerial photographs (**Appendix B**) depict woods from 1944 to 1970, and a plant nursery in 1981. A small structure, potentially a tank, is visible onsite near the southern boundary. No significant changes are apparent in 1993. Cleared land is depicted from 2005 to 2011, and is partially covered with ground mats and vehicles in 2025. Topographic maps (**Appendix C**) depict a shaded white area, indicating cleared land. During the 2026 site reconnaissance, the drainage site was observed as the Irby Construction laydown yard (Map ID 7), including heavy equipment, trucks, metal storage containers, and construction supplies. One contamination site was noted within the drainage site footprint: • Map ID 7 – Division of Forestry-Herren Nursery ○ Although this drainage site is within the parcel, the former tank location with two open discharges are approximately 190 feet west. Given historic use as a plant nursery adjoining north of the ROW, and two open discharges will affect NPDES permitting if dewatering is required within 500 feet, Map ID 7 is considered a risk to this drainage site. One contamination site was noted offsite: • Map ID 8 – Worley Block/Black Bear Citrus/Lake Placid Groves-Air Strip ○ While the adjoining east groves are considered a risk, the former tanks were located over 1,900 feet east and not considered a risk given their separation distance. Due to the historic use as a plant nursery adjoining north, two unresolved discharges within 500 feet (Map ID 7), and the adjoining east active groves (Map ID 8), FPC 1211B is assigned a risk rating of **Medium**.

Table 8-2 Risk Ratings for Drainage Sites

Drainage Site Name	Owner(s) Since (year)	Contaminants of Concern	2019 PD&E Risk Rating	2025 Preliminary Risk Rating	2026 Risk Rating	Comments
FPC 1213A	Lake Placid Ranch Corp Since 2022	Petroleum, Pesticides, Herbicides	**Medium**	**Medium**	**Medium**	This drainage site was identified as two combined drainage sites in the 2019 CSER: SMF 3 was rated **Medium** for historical use as groves; and FPC 10 was rated **Medium** for use as groves and proximity to former petroleum storage tanks. The proposed drainage site footprint is generally the same shape as the 2019 footprints combined. It was evaluated again in the 2025 Contamination Matrix with a larger footprint (SMF 1202A and FPC 1213A combined) and both were rated **Medium** for use as groves. An access easement is included at the southeast corner. Aerial photographs (**Appendix B**) depict undeveloped, wooded land from 1944 to 1950. Cleared land is apparent in 1970 with a pond along the east boundary. Row crops are depicted from 1981 to 2025. Topographic maps (**Appendix C**) depict a shaded white area, indicating cleared land. During the site reconnaissance, the drainage site was observed as groves (Map ID 8) with an existing pond along the east boundary. Offsite, an abandoned shed was noted to the southeast of the drainage site boundary. One contamination site was noted within the drainage site footprint, and offsite (southeast): • Map ID 8 – Worley Block/Black Bear Citrus/Lake Placid Groves-Air Strip o Although the drainage site is within this parcel, the former tank locations are approximately 40 feet southeast of the nearest drainage site boundary. Based on the historical use of groves and the close proximity to two former storage tanks, Map ID 8 is considered a risk to this drainage site. Based on the historical use of groves and the proximity of two former petroleum tanks (approximately 40 feet), FPC 1213A retains a risk rating of **Medium**.
SMF 1203D	E'Harts Nursery and Landscaping Inc Since 1979	Herbicides, Pesticides, Petroleum and Arsenic	**Medium**	**Medium**	**Medium**	This drainage site was identified as the western portion of SMF 4 and was assigned a risk rating of **Medium** for use as a plant nursery in the 2019 CSER. It was evaluated again in the 2025 Contamination Matrix with a footprint larger than that currently being evaluated and was rated **Medium** for use as a plant nursery. Aerial photographs (**Appendix B**) depict undeveloped, wooded land from 1944 to 1970. In 1981 and 1993, cleared land and structures for a plant nursery are apparent in the southern portion of the drainage site. The southwestern corner of the drainage site is depicted as crops in 2005, which are no longer apparent in 2011. No significant changes are apparent from 2011 to 2025. Topographic maps (**Appendix C**) depict a shaded green area, indicating wooded land. During the site reconnaissance, the drainage site was observed as a gated area with crops (Map ID 11). One contamination site was noted within the drainage site footprint: • Map ID 11 – E'Harts Nursery o The drainage site is within this parcel. Although no tanks or discharges were reported, plant nurseries pose potential impacts from the use of herbicides and pesticides. Therefore, Map ID 11 is considered a risk to this drainage site. Offsite, three contamination concerns were noted: • Map ID 9 – Highlands County Brownfield Area o Although this brownfield area is adjoining the southern boundary, the nearest contamination concern is approximately 20 miles north of SR 70. Therefore, Map ID 9 is considered a low risk to this drainage site. • Map ID 10 – CSX Railroad o This parcel is located approximately 75 feet west of the drainage site. Railroads are considered a risk due to the historical use of arsenic based herbicides for weed control in addition to petroleum and creosote compounds used to preserve railroad ties. However, due to the distance from the drainage site, Map ID 10 is considered a low risk. • Map ID 12 – Former Sunshine Newspaper Printing o This parcel is located 200 feet south of the nearest drainage site boundary. This facility was formerly a hazardous waste generator but was closed in 2017 with all violations resolved. Due to the distance between the facility and the drainage site, Map ID 12 is considered a low risk. Based on the historical use as a nursery, SMF 1203D retains a risk rating of **Medium**.

Table 8-2 Risk Ratings for Drainage Sites

Drainage Site Name	Owner(s) Since (year)	Contaminants of Concern	2019 PD&E Risk Rating	2025 Preliminary Risk Rating	2026 Risk Rating	Comments
SMF 1203A	E'Harts Nursery and Landscaping Inc Since 1979	Herbicides, Pesticides, Petroleum and Arsenic	**Medium**	**Medium**	**Medium**	This drainage site was identified as the eastern portion of SMF 4 and was assigned a risk rating of **Medium** for use as a plant nursery in the 2019 CSER. It was evaluated again in the 2025 Contamination Matrix with a footprint larger than that currently being evaluated and was rated **Medium** for use as a plant nursery. Aerial photographs (**Appendix B**) depict undeveloped, wooded land from 1944 to 1981. A road is apparent through the central portion of the footprint in 1993. No significant changes are observed from 1993 to 2025. Topographic maps (**Appendix C**) depict a partially shaded green area, indicating wooded land, and a shaded white area, indicating cleared land. During the site reconnaissance, the drainage site was observed as a wooded area with a dirt road (Map ID 11). One contamination site was noted within the drainage site footprint: • Map ID 11 – E'Harts Nursery o The drainage site is within this parcel. Although no tanks are registered or discharges are reported at this site, plant nurseries pose potential impacts from the use of herbicides and pesticides. Therefore, Map ID 11 is considered a risk to this drainage site. Offsite, three contamination concerns were noted: • Map ID 9 – Highlands County Brownfield Area o Although this brownfield area is adjoining the southern boundary of the drainage site, the nearest contamination concern is approximately 20 miles north of SR 70. Therefore, Map ID 9 is considered a low risk to this drainage site. • Map ID 10 – CSX Railroad o This parcel is located approximately 325 feet west of the drainage site. Railroads are considered a risk due to the historical use of arsenic based herbicides for vegetation and weed control in addition to petroleum and creosote compounds used to preserve railroad ties. However, due to the distance from the drainage site, Map ID 10 is considered a low risk. • Map ID 12 – Former Sunshine Newspaper Printing o This parcel is located 210 feet southwest of the nearest drainage site boundary. This facility was formerly a hazardous waste generator but was closed in 2017 with all violations resolved. Due to the distance between the facility and the drainage site, Map ID 12 is considered a low risk. Based on the historical use as a nursery (western area), SMF 1203A retains a risk rating of **Medium**.
FPC 1214B	E'Harts Nursery and Landscaping Inc Since 1984	Herbicides, Pesticides, Petroleum and Arsenic	NA	Low	**Medium**	This drainage site was not included in the 2019 CSER. It was evaluated in the 2025 Contamination Matrix with a footprint smaller than that currently being evaluated and was rated Low since land use included woods and an open field. Aerial photographs (**Appendix B**) depict woods from 1944 to 1981. Crops (plant nursery) were depicted from 1994 to 2014. No significant changes are apparent from 2017 to 2025. Topographic maps (**Appendix C**) depict a shaded green area, indicating wooded land. During the site reconnaissance, the drainage site was observed as a grassy field (Map ID 11). One contamination site was noted within the drainage site footprint: • Map ID 11 – E'Harts Nursery o The drainage site is within this parcel. Although no tanks are registered or discharges are reported at this site, plant nurseries pose potential impacts from the use of herbicides and pesticides. Therefore, Map ID 11 is considered a risk to this drainage site. Three contamination concerns were noted offsite: • Map ID 9 – Highlands County Brownfield Area o Although this brownfield area is adjoining the southern boundary of the drainage site, the nearest contamination concern is approximately 20 miles north of SR 70. Therefore, Map ID 9 is considered a low risk to this drainage site. • Map ID 15 – Lake Placid Contractor Yard o The address of this parcel could not be confirmed but is presumed to be located approximately 255 feet southeast of this drainage site. Since no violations or contamination concerns were identified, Map ID 15 is considered a low risk to this drainage site. • Map ID 16 – Howard Fertilizer Inc. o Although the parcel is 255 feet southeast, the tanks on site are located approximately 700 feet from the nearest boundary of the drainage site. Due to the distance to the tanks and the lack of reported discharges, Map ID 16 is considered a low risk to this drainage site. Based on the historical use as a nursery, FPC 1214B is assigned a risk rating of **Medium**.

Table 8-2 Risk Ratings for Drainage Sites

Drainage Site Name	Owner(s) Since (year)	Contaminants of Concern	2019 PD&E Risk Rating	2025 Preliminary Risk Rating	2026 Risk Rating	Comments
FPC 1214C	PAI Lake Placid Groves LLC Since 2018 Palm Beach Aggregates LLC Since 2025	Herbicides, Pesticides, Metals, Petroleum, and Arsenic	NA	Low	**Medium**	This drainage site was not included in the 2019 CSER. It was evaluated in the 2025 Contamination Matrix with a footprint larger than that currently being evaluated and was rated Low since land use included woods. Aerial photographs (**Appendix B**) depict woods from 1944 to 2025. Topographic maps (**Appendix C**) depict a shaded white area, indicating cleared land. During the site reconnaissance, the drainage site was observed as woods. One contamination site was noted within the drainage site footprint: • Map ID 9 – Highlands County Brownfield Area ○ Although this drainage site is within the brownfield area, the nearest contamination concern is approximately 20 miles north of SR 70. Therefore, Map ID 9 is considered a low risk to this drainage site. Four contamination concerns were noted offsite: • Map ID 10 – CSX Railroad ○ This parcel is adjoining south of the drainage site. Railroads are considered a risk due to the historical use of arsenic based herbicides for vegetation and weed control in addition to petroleum and creosote compounds used to preserve railroad ties. Due to the close proximity to the drainage site, Map ID 10 is considered a risk. • Map ID 11 – E'Harts Nursery ○ This parcel is located approximately 190 feet north of the nearest boundary of the drainage site. Although plant nurseries pose potential impacts from the use of herbicides and pesticides, due to the separate distance, Map ID 11 is considered a low risk to this drainage site. • Map ID 15 – Lake Placid Contractor Yard ○ The address of this parcel could not be confirmed but is presumed to be adjoining east of this drainage site. Since no violations or contamination concerns were identified, Map ID 15 is considered a low risk to this drainage site. • Map ID 16 – Howard Fertilizer Inc. ○ Although the parcel is adjoining east, the tanks on site are located approximately 340 feet from the nearest boundary of the drainage site. Due to the distance to the tanks and the lack of reported discharges, Map ID 16 is considered a low risk to this drainage site. Based on the proximity to the adjoining south railroad tracks, the risk rating is changed from Low to **Medium**.

Table 8-2 Risk Ratings for Drainage Sites

Drainage Site Name	Owner(s) Since (year)	Contaminants of Concern	2019 PD&E Risk Rating	2025 Preliminary Risk Rating	2026 Risk Rating	Comments
FPC 1214D	E'Harts Nursery and Landscaping Since 1986 PAI Lake Placid Groves LLC Since 2018	NA	NA	**Medium**	**Medium**	This drainage site was not included in the 2019 CSER. It was evaluated in the 2025 Contamination Matrix with a footprint smaller than that currently being evaluated and was rated **Medium** since the open discharge at Map ID 18 – Georgia Pacific will affect NPDES permitting if dewatering is required within 500 feet. Aerial photographs (**Appendix B**) depict woods from 1944 to 2025. Topographic maps (**Appendix C**) depict a shaded white area, indicating cleared land. During the site reconnaissance, the drainage site was observed as woods (Map ID 11). Two contamination sites were noted within the drainage site footprint: • Map ID 11 – E'Harts Nursery o Although the parcel is located within this drainage site, the nearest crops are located over 350 feet east and are considered a low risk. • Map ID 17 – Lake Placid Groves o Although the parcel is located within this drainage site, the nearest groves are located over 60 feet east and are considered a low risk. Five contamination concerns were noted offsite: • Map ID 9 – Highlands County Brownfield Area o Although this brownfield area is adjoining the southern boundary of the drainage site, the nearest contamination concern is approximately 20 miles north of SR 70. Therefore, Map ID 9 is considered a low risk to this drainage site. • Map ID 15 – Lake Placid Contractor Yard o The address of this parcel could not be confirmed but is presumed to be located approximately 200 feet south of this drainage site. Since no violations or contamination concerns were identified, Map ID 15 is considered a low risk to this drainage site. • Map ID 16 – Howard Fertilizer Inc. o Although the parcel is 200 feet south, the tanks on site are located approximately 500 feet from the nearest boundary of the drainage site. Due to the distance to the tanks and the lack of reported discharges, Map ID 16 is considered a low risk to this drainage site. • Map ID 18 – Georgia-Pacific o Given the open discharge located 190 feet southeast, this site will affect NPDES permitting if dewatering is required within 500 feet. Given the open discharge at Map ID 18 will affect NPDES permitting if dewatering is required within 500 feet, this site retains a risk rating of **Medium**.

Table 8-2 Risk Ratings for Drainage Sites

Drainage Site Name	Owner(s) Since (year)	Contaminants of Concern	2019 PD&E Risk Rating	2025 Preliminary Risk Rating	2026 Risk Rating	Comments
SMF 1204A	Smoak Citrus Development PRTSP Since 1986	Herbicides, Pesticides, Petroleum	**Medium**	**Medium**	**Medium**	This drainage site was identified in the 2019 CSER as SMF 5 and was assigned a risk rating of **Medium** since it was used as groves. It was evaluated again in the 2025 Contamination Matrix with a footprint larger than that currently being evaluated and was rated Medium for use as groves. Aerial photographs (**Appendix B**) depict undeveloped, wooded land from 1944 to 1981. Row crops are apparent in 1993. No significant changes are observed from 1993 to 2025. Topographic maps (**Appendix C**) depict a shaded white area, indicating cleared land. During the site reconnaissance, the drainage site was observed as groves (Map ID 21). One contamination site was noted within the drainage site footprint: • Map ID 21 – Smoak & Sons/Smoak Citrus o The drainage site is within this parcel. A structure potentially containing the former tanks is located approximately 390 feet northeast of the nearest drainage site boundary. Although there are no reported discharges and there is a considerable distance between the former tanks and drainage site, due to the current use as groves, Map ID 21 is considered a risk to this drainage site. Offsite, four contamination concerns were noted: • Map ID 9 – Highlands County Brownfield Area o Although this brownfield area is adjoining the southern boundary of the drainage site, the nearest contamination concern is approximately 20 miles north of SR 70. Therefore, Map ID 9 is considered a low risk to this drainage site. • Map ID 20 – Glades Electric – Lake Placid Yard o Although the parcel is 30 feet west of this drainage site, the tank is located approximately 285 feet west. Due to the distance to the tank and the lack of reported discharges, Map ID 20 is considered a low risk to this drainage site. • Map ID 22 – Wedgworth (Former Douglas Fertilizer/The Andersons) o This parcel is approximately 190 feet south. The distance is greater than 700 feet to the tank locations, 250 feet to the nitrate plume, and 570 feet to the former percolation pond. Due to the distance to the contamination concerns, Map ID 22 is considered a low risk to this drainage site. • Map ID 23 – American Tower o This parcel is approximately 210 feet southwest of this drainage site. Cell towers pose potential impacts from the emergency generator fueled by either diesel. Due to the distance to the drainage site and the lack of reported discharges, Map ID 23 is considered a low risk to this drainage site. Due to use as groves, SMF 1204A retains a risk rating of **Medium**.
FPC 1301A	Golaub Gasford R Jr. Since 2023	Herbicides, Pesticides,	NA	**Medium**	**Medium**	This drainage site was not included in the 2019 CSER. It was evaluated in the 2025 Contamination Matrix with a footprint different than that currently being evaluated and was rated **Medium** for use as groves and likelihood of unreported discharges at a diesel AST that was located within FPC 1301A. Aerial photographs (**Appendix B**) depict undeveloped land and natural ponds from 1944 to 1958. In 1970, a drainage ditch is apparent through the center of the pond footprint. No significant changes are observed in 1981. From 1993 to 2025, row crops are depicted. Topographic maps (**Appendix C**) depict a shaded white area, indicating cleared land. During the site reconnaissance, the drainage site was observed as abandoned groves (Map ID 32). One contamination site was noted within the drainage site footprint: • Map ID 32 – Ekhoff Groves o The drainage site is within this parcel. Since the footprint has changed, the AST at the irrigation well is now located approximately 50 feet west of this drainage site. Given the separation distance and lack of a reported discharge, the AST is considered a low risk. However, the onsite groves remain a contamination risk. Offsite, other contamination concerns were not noted. Due to the historical use as groves, FPC 1301A retains a risk rating of **Medium**.

Table 8-2 Risk Ratings for Drainage Sites

Drainage Site Name	Owner(s) Since (year)	Contaminants of Concern	2019 PD&E Risk Rating	2025 Preliminary Risk Rating	2026 Risk Rating	Comments
SMF 1301A	Burke Hal J Since 1999	NA	No	Low	Low	This drainage site was identified as the northern portion of SMF 6 in the 2019 CSER and was assigned a risk rating of No. It was evaluated again in the 2025 Contamination Matrix with a similar footprint and was assigned a risk rating of Low. While the footprint being evaluated herein still includes the northern portion previously evaluated, the footprint has changed. Aerial photographs (**Appendix B**) depict undeveloped land and natural ponds from 1944 to 1970. In 1981 and 1993, the land is partially cleared and a structure is apparent in the north central portion of the footprint. The structure is no longer apparent in 2005. No significant changes are noted from 2005 to 2025. Topographic maps (**Appendix C**) depict a shaded white area, indicating cleared land. During the site reconnaissance, the drainage site was observed as woods with the remains of two structures: a concrete pad, including several pieces of wood and metal nearby in the northern area, and the collapsed remains of a small wooden structure in the southeast area. Contamination concerns were not noted. No contamination sites were noted within the drainage site footprint. Offsite, one contamination site was noted: • Map ID 32 – Ekhoff Groves o Since the groves and AST are located over 200 feet north, Map ID 32 is considered a low risk. This site retains a risk rating of Low.
FPC 1303A	PAI Lake Placid Groves LLC Since 2023	Herbicides, Pesticides, Petroleum	NA	**Medium**	**Medium**	This drainage site was not included in the 2019 CSER. It was evaluated in the 2025 Contamination Matrix with the same footprint being evaluated herein and was rated **Medium** for use as groves. Aerial photographs (**Appendix B**) depict undeveloped land and natural ponds from 1944 to 1981. In 1993, two natural ponds and row crops are apparent. No significant changes are observed from 1993 to 2025. Topographic maps (**Appendix C**) depict a shaded white area, indicating cleared land. During the site reconnaissance, the drainage site was observed as former groves (Map ID 33). One contamination site was noted within the drainage site footprint: • Map ID 33 – Lake Placid Groves-Veli Block/Turner & Kelly Bulb Farm o The drainage site is within this parcel. The nearest tank on site is approximately 320 feet southwest of the southern drainage site boundary. However, due to the historical use as groves, Map ID 33 is considered a risk. Offsite, other contamination sites were not noted. Due to the use as groves, FPC 1303A retains a risk rating of **Medium**.
FPC 1306A	PAI Lake Placid Groves LLC Since 2023	Herbicides, Pesticides, Petroleum	NA	**Medium**	**Medium**	This drainage site was not included in the 2019 CSER. It was evaluated in the 2025 Contamination Matrix with a footprint slightly different than the footprint being evaluated. It was assigned a risk rating of **Medium** for use as groves. Aerial photographs (**Appendix B**) depict undeveloped land and a natural pond from 1944 to 1981. In 1993, row crops are apparent. The southwest corner of the pond is cleared of row crops in 2005. No significant changes are observed from 2005 to 2025. Topographic maps (**Appendix C**) depict a shaded white area, indicating cleared land. During the site reconnaissance, the drainage site was observed as former groves (Map ID 33). One contamination site was noted within the drainage site footprint: • Map ID 33 – Lake Placid Groves-Veli Block/Turner & Kelly Bulb Farm o The drainage site is within this parcel. The nearest tank is located approximately 730 feet east of the eastern drainage site and is not considered a risk. However, due to the historical use as groves, Map ID 33 is considered a risk. No contamination sites were noted offsite. Due to the historical use as groves, FPC 1306A retains a risk rating of **Medium**.

Table 8-2 Risk Ratings for Drainage Sites

Drainage Site Name	Owner(s) Since (year)	Contaminants of Concern	2019 PD&E Risk Rating	2025 Preliminary Risk Rating	2026 Risk Rating	Comments
SMF 1302C	PAI Lake Placid Groves LLC Since 2023	Herbicides, Pesticides, Petroleum	NA	**Medium**	**Medium**	This drainage site was not included in the 2019 CSER. It was evaluated in the 2025 Contamination Matrix with a larger footprint than the footprint evaluated herein. It was assigned a risk rating of **Medium** for use as groves. Aerial photographs (**Appendix B**) depict undeveloped land from 1944 to 1981. From 1993 to 2025, row crops are apparent. Topographic maps (**Appendix C**) depict a shaded white area, indicating cleared land. During the site reconnaissance, the majority of the drainage site was observed as active groves (Map ID 33). Groves were removed from the western portion of the drainage site. One contamination site was noted within the drainage site footprint: • Map ID 33 – Lake Placid Groves-Veli Block/Turner & Kelly Bulb Farm o The drainage site is within this parcel. The nearest tank on site is approximately 500 feet west of the western drainage site boundary. However, due to the historical and current use as groves, Map ID 33 is considered a risk. No contamination sites were noted offsite. Due to the use as groves, SMF 1302C retains a risk rating of **Medium**.
FPC 1309C	Sutton Teresa Tamea TRS Since 2007	NA	NA	NA	Low	This drainage site was not included in the 2019 CSER or the 2025 Contamination Matrix. Aerial photographs (**Appendix B**) depict woods and two natural ponds in 1944. The land is cleared in 1953 and 1958. The natural ponds are no longer apparent in 1970. No significant changes are observed in 1981. A single structure is apparent in 1993. No significant changes are observed from 1993 to 2025. Topographic maps (**Appendix C**) depict a shaded white area, indicating cleared land. During the site reconnaissance, the drainage site was observed as a residential property (Map ID 34). One contamination site was noted within the drainage site footprint: • Map ID 34 – Sutton Property o The drainage site is within this parcel. Debris was noted onsite along the eastern boundary of the drainage site. However, due to the lack of staining, and stressed vegetation, contamination impacts are not anticipated. Therefore, Map ID 34 is considered a low risk to this drainage site. Two contamination sites were noted offsite: • Map ID 33 – Lake Placid Groves-Veli Block/Turner & Kelly Bulb Farm o Although the parcel is adjoining west, the nearest groves are located approximately 25 feet west of the dainage site boundary. Therrefore, Map ID 33 is considered a low risk. • Map ID 35 – Former K-W Farms o This parcel is approximately 390 feet east of the drainage site. Although no tank closure assessment is available, contamination impacts are not anticipated given the separation distance of the former tanks. Map ID 35 is considered a low risk to this drainage site. FPC 1309C is assigned a risk rating of Low.

Table 8-2 Risk Ratings for Drainage Sites

Drainage Site Name	Owner(s) Since (year)	Contaminants of Concern	2019 PD&E Risk Rating	2025 Preliminary Risk Rating	2026 Risk Rating	Comments
SMF 1303A	Rucks Chad W TTEE, Rucks Traci Renee TTEE, and Chad W Rucks Liv TR Since 2014	NA	No	No	**Medium**	This drainage site was identified as the southern half of SMF 8/9A in the 2019 CSER and was assigned a risk rating of No given the lack of contamination concerns. It was evaluated again in the 2025 Contamination Matrix with a modified footprint and was assigned a risk rating of No. Aerial photographs (**Appendix B**) depict woods in 1944, and minor clearing from 1953 to 1970. In 1981 and 1993, cleared land is apparent. Row crops are depicted from 2004 to 2005, and pasture is apparent from 2006 to 2025. Topographic maps (**Appendix C**) depict a partially shaded green, indicating wood, and shaded white area, indicating cleared land. During the site reconnaissance, the drainage site was observed as pasture. One contamination site was noted within the drainage site footprint: • Map ID 41 – Rucks Former Crops o Aerial photographs depict row crops from 2004 to 2005. Therefore, Map ID 41 is considered a risk to this drainage site. Two contamination sites were noted offsite: • Map ID 39 – K-W Farms/Kelly Bulb Farm o This parcel is 100 feet west of the drainage site. The nearest structure potentially containing a tank is approximately 445 feet southwest. Given the separation distance, Map ID is considered a low risk. • Map ID 40 – Pole Barn o This parcel is over 360 feet northwest of the northern drainage site boundary. Due to the distance from the drainage site and the lack of reported discharges, Map ID 40 is considered a low risk. Given the former row crops within SMF 1303A, the risk rating is changed from No to **Medium**.

9 Conclusions and Recommendations

9.1 CONCLUSIONS

A total of forty-two contamination sites were evaluated and assigned the following risk ratings.

Table 9-1 Summary of Risk Ratings – Mainline Sites

High	Medium	Low	No	Total
2	18	16	6	42

A total of fifteen preferred drainage sites were evaluated and assigned the following risk ratings.

Table 9-2 Summary of Risk Ratings – Drainage Sites

High	Medium	Low	No	Total
0	13	2	0	15

Although not considered contamination concerns, a total of four wells were identified within or near the S.R. 70 and US 27 ROWs. Three of these are Southwest Florida Water Management District (SWFWMD) Regional Observation and Monitor-well Program (ROMP) wells identified on the SWFWMD database. Some of the ROMP well objectives include providing information about the groundwater systems within the District, monitoring saltwater intrusion along the coast, and installation of wells for water level monitoring.

One ROMP well was observed within proposed S.R. 70 ROW (northeast corner of S.R. 70/Placid View Drive; **Appendix A**, **Sheet 1**) during the site reconnaissance: the 6-inch diameter PVC well (Station 750335, permit 801685) was constructed to a depth of 20 feet bls in 2012.

The following two ROMP wells were not observed during the site reconnaissance. Therefore, it remains uncertain if they are located within or near the S.R. 70 and/or US 27 ROWs. Well dimensions were not provided for the well (Station 750328, permit 801680, installed in 2010) located north of S.R. 70 between Worley Road and Nursery Lane. The 6-inch diameter PVC well located along the east side of US 27, south of S.R. 70 (Station 23828, permit not provided, no construction date provided) was constructed to a depth of 35 feet bls.

See **Section 7.0** for details and recommendations regarding FDOT well (permit 840045).

Although not considered contamination concerns, it is important to note costs associated with abandonment and/or replacement of these wells may be incurred.

9.2 RECOMMENDATIONS

Based on the conclusions of this study and the risk ratings noted above, the following recommendations are made.

- Additional information may become available or site-specific conditions may change from the time this report was prepared and should be considered prior to acquiring right-of-way and/or proceeding with roadway construction. If the preferred alignment changes or preferred

drainage site(s) are selected, and/or new potential contamination sites have been constructed, this report should be revised and updated to reflect those changes.

- For the locations rated No or Low for contamination, no further action is required. These locations have been determined to have little or no contamination risk to the study area at this time.
- A total of thirty-three locations (twenty contamination sites, and thirteen drainage sites) were assigned risk ratings of High or Medium. These locations should be considered for Level II testing in consultation with the DCIC. Level II testing may include soil borings, monitoring well installation, soil and groundwater sampling, laboratory testing, OVA screening, and GPR surveys. Note, some of the Map ID's are listed in multiple categories below.
    - Petroleum - Analytical testing for soil and groundwater samples at the petroleum contaminated sites (Map IDs 8, 22, 24, 25, 26, 27, 35, and FPC 1213A) may include Total Recoverable Petroleum Hydrocarbons (TRPHs) by the FL PRO Method; Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), and Methyl-Tertiary-Butyl-Ether (MTBE) by EPA Method 8260; and Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270. OVA field screening is also recommended. Given the potential for USTs remaining within or near the FDOT ROW, Ground Penetrating Radar (GPR) is also recommended at Map IDs 27 and 35.
    - Groves/Crops/Nurseries - Analytical testing for the soil and groundwater samples at the groves and row crop sites (Map IDs 5, 6, 7, 8, 11, 21, 22, 26, 27, 28, 32, 33, 35, 37, 39, 41, FPC 1211B, FPC 1213A, SMF 1203D, SMF 1203A, FPC 1214B, SMF 1204A, FPC 1301A, FPC 1303A, FPC 1306A, SMF 1302C, and SMF 1303A) may include Arsenic by EPA Method 6010, organochlorine pesticides by EPA Method 8081, Organophosphorus Pesticides by EPA Method 8141, Chlorinated Herbicides by EPA Method 8151, and Polychlorinated Biphenyls (PCBs) by EPA Method 8082.
    - Railroad – Analytical testing for the soil and groundwater samples at the railroad corridor (Map ID 10, and FPC 1214C) may include Arsenic by EPA Method 6010, PAHs by EPA Method 8270, and Herbicides by EPA Method 8151.
    - Lead – Analytical testing for the soil and groundwater samples at the lead plume at Georgia Pacific (Map ID 18) may include lead by EPA Method 6010.
    - Buried Debris – Test pits and/or soil borings are recommended at Map ID 35 to delineate the horizontal and vertical extent of buried debris. Analytical testing will be dependent on the test pit results.
- Level II testing costs are estimated at $2,000 to $10,000 per site. If impacts are identified during Level II testing, Level III construction support activities such as source removal and/or dewatering may be required during construction and are estimated at $50,000 to $100,000 per site.

- Once final design plans are available, additional review is recommended in consideration of dewatering operations that may be necessary under the National Pollutant Discharge Elimination System (NPDES) Generic Permit for Stormwater Discharges from Large and Small Construction Activities. Verification testing may be warranted for contamination issues within 500 feet of the dewatering area.
- As this project develops, additional file review will be performed (by the FDOT or a subcontractor) for all contamination sites, including any new sites. This is especially true for active gas stations since they are more susceptible to contamination status changes (or risk-rating changes) due to the onsite dispensing operations and a multitude of storage tank system components that have potential to result in new discharges. Other types of facilities which remain active and present similar susceptibility for discharges and contamination status changes include commercial and industrial facilities, and petroleum pipelines.

10 References

Level I Contamination Screening Evaluation Report – Mainline dated December 2, 2019, Rev. 2

Level I Contamination Screening Evaluation Report (Pond Alts), dated October 23, 2019, Rev. 1

Level II Impact to Construction Report (ICR) dated January 2021.

Highlands County Property Appraiser. (n.d.). Retrieved from https://www.hcpao.org/

Environmental Data Management February 13, 2026. *Environmental Data Report (Ponds).*

Environmental Data Management. July 8, 2025. *Environmental Data Report (Corridor).*

Environmental Data Management. February 21, 2026. *Historical Topographic Map Report.*

Environmental Data Management. February 21, 2026. *Historical Aerial Photograph Report.*

Esri. (2025). ArcGIS Pro (Version 3.6.1) [Software]. Redlands, CA: Esri.

Florida Department of Environmental Protection. (n.d.) *Map Direct*. Retrieved from https://ca.dep.state.fl.us/mapdirect/

Florida Department of Environmental Protection. (n.d.) *OCULUS Document Management System*. https://depedms.dep.state.fl.us/Oculus/servlet/login

Florida Department of Transportation. July 31, 2024. *Part 2, Project Development and Environment Manual*, Chapter 20 – Contamination.

Florida Department of Environmental Protection Petroleum Restoration Program. (n.d.). *Storage Tanks & Contamination Monitoring*. Contaminated Facility Name and Address Search. https://prodapps.dep.state.fl.us/www_stcm/reports/Stcm02

Google Earth Pro. (Version 7.3.6) [Software]. (December 29, 2022). Google LLC. Available from https://www.google.com/earth/download/gep/agree.html

United States Department of Agriculture, Natural Resources Conservation Service. (n.d.) *Web Soil Survey*. Retrieved from https://websoilsurvey.nrcs.usda.gov/app/HomePage.htm

Southwest Florida Water Management District. Retrieved from https://www.swfwmd.state.fl.us/projects/regional-observation-and-monitor-well-program-romp

Florida Memory, State Library and Archives of Florida, Florida Memory https://www.floridamemory.com/items/show/141100

APPENDICES

Appendix A Maps

Appendix B EDM Reports

Appendix C Aerial Photographs

Appendix D Topographic Maps

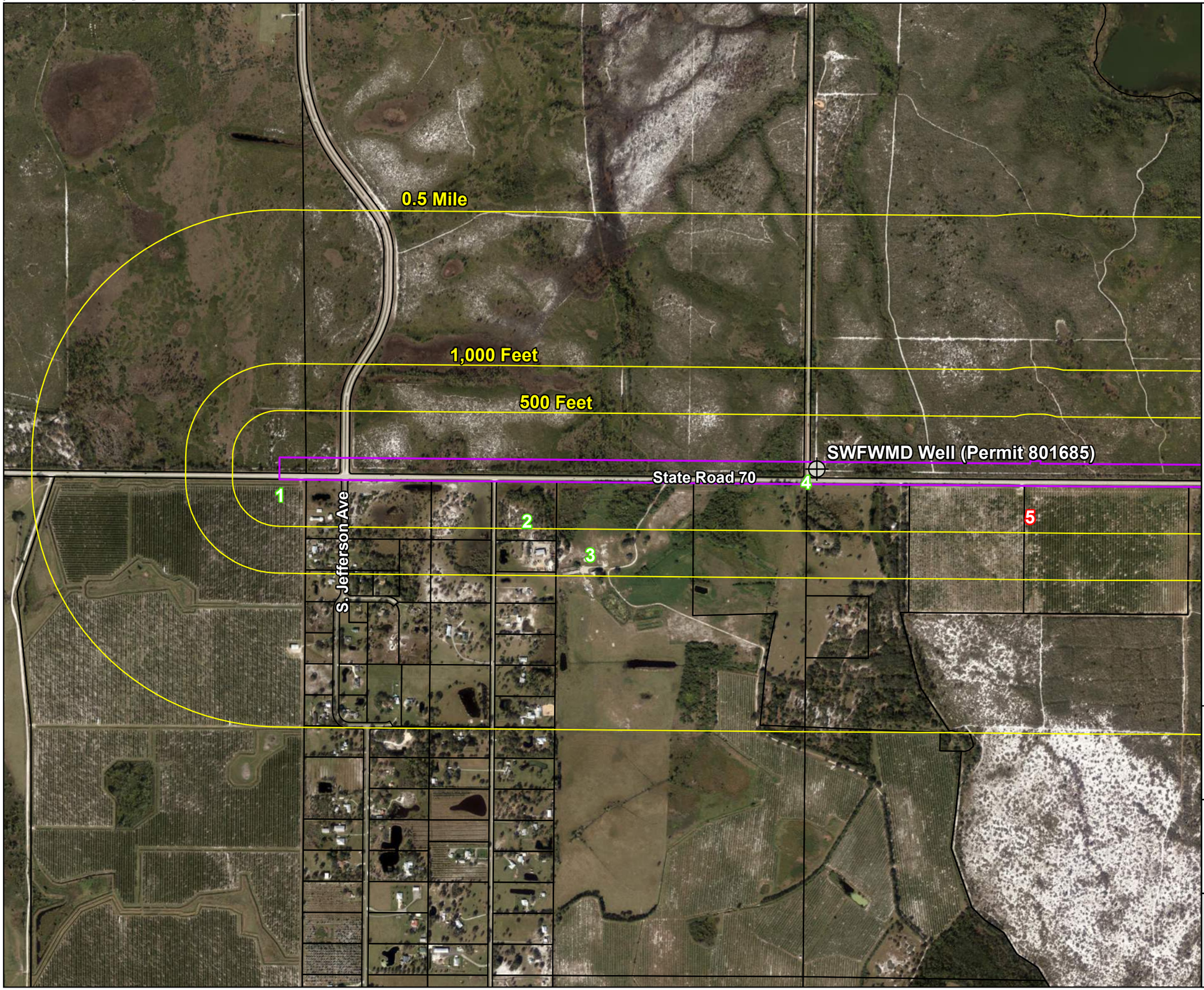
Appendix E Supplemental Information

Appendix F Site Photographs

APPENDIX A

Maps

J:\2024\6511-24-002E SR 70 Segments 12-14\ENV\GIS\6511-24-002E SR 70 Segments 12-14_NC



N

1,000 500 0 1,000

1 Inch = 1,000 Feet

Legend

- Project ROW
- Parcel Lines (Highlands County)
- Map ID — No/Low Rated Sites
- Map ID — Medium/High Rated Sites
- General Monitoring Wells (Not Rated)



SR 70 PD&E Study CSER

From Jefferson Avenue to CR 29

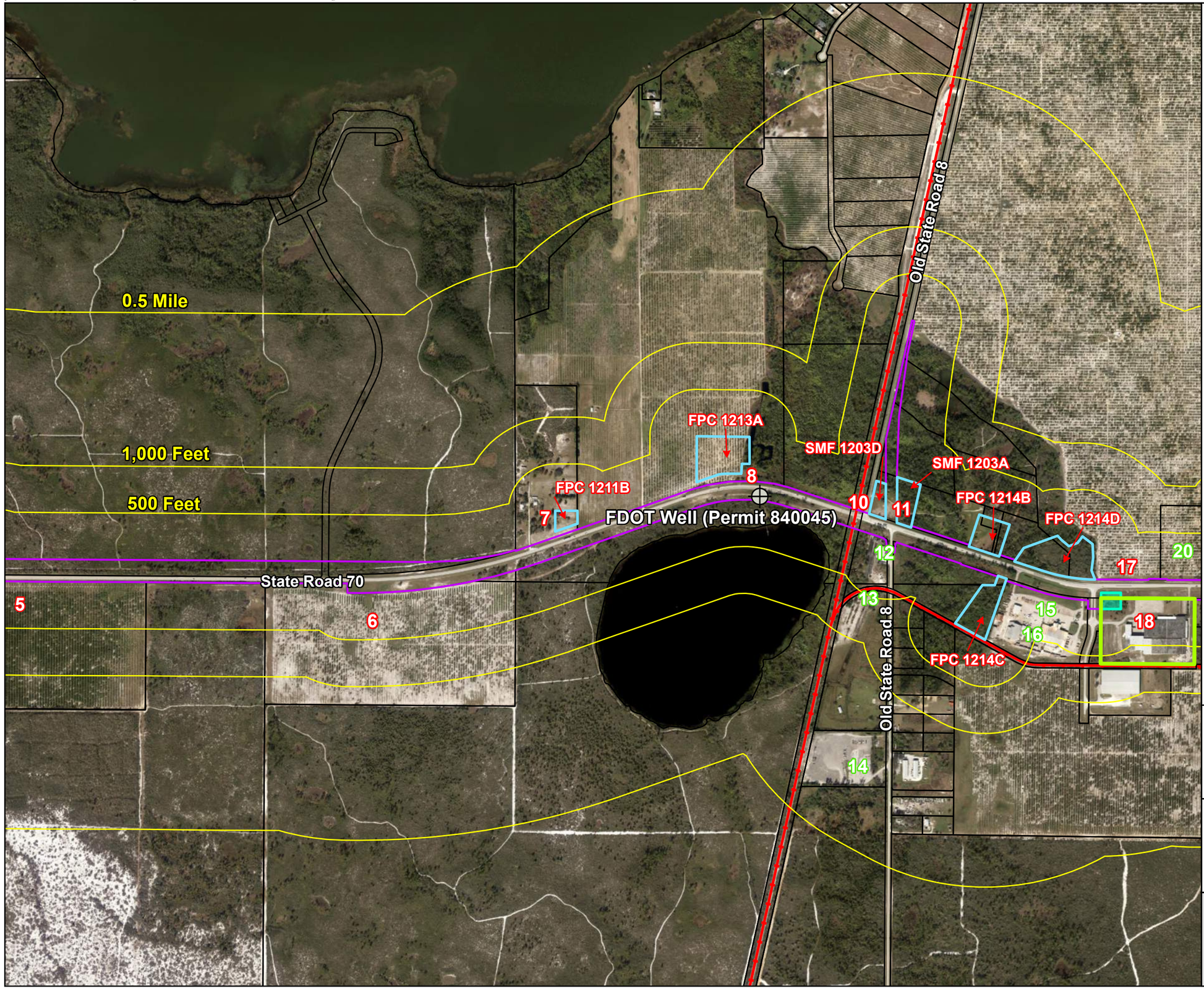
Highlands County, Florida

Tierra Project No.: 6511-24-002E

Contamination Site Map

Sheet No. 1

J:\2024\6511-24-002E SR 70 Segments 12-14\ENV\GIS\6511-24-002E SR 70 Segments 12-14_NC



N

1,000 500 0 1,000

1 Inch = 1,000 Feet

Legend

- Project ROW
- Drainage Sites
- Parcel Lines (Highlands County)
- Map ID — No/Low Rated Sites
- Map ID — Medium/High Rated Sites
- Railroad Corridor (Map ID 10 - Rated Medium)
- Lead Plume (Map ID 18)
- General Monitoring Wells (Not Rated)
- Institutional Controls (Map ID 18)



Note: Map ID 9 - Brownfield Area (Rated No) Not Depicted.

SR 70 PD&E Study CSER

From Jefferson Avenue to CR 29

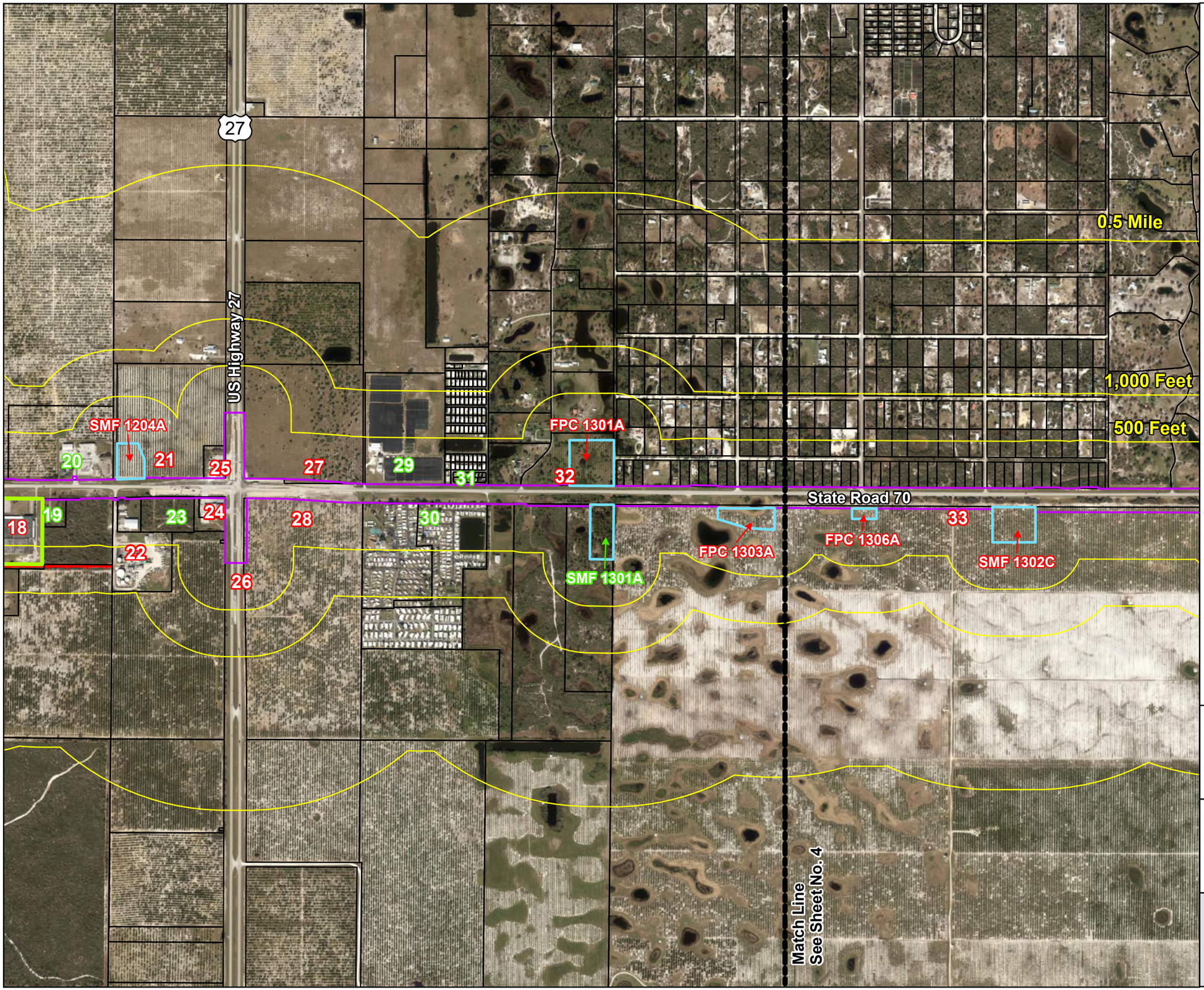
Highlands County, Florida

Tierra Project No.: 6511-24-002E

Contamination Site Map

Sheet No. 2

J:\2024\6511-24-002E SR 70 Segments 12-14\ENV\GIS\6511-24-002E SR 70 Segments 12-14_NC



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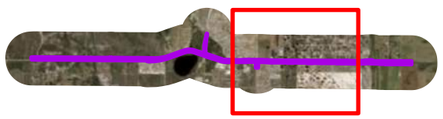
1,000 500 0 1,000

1 Inch = 1,000 Feet

Legend

- Project ROW
- Drainage Sites
- Parcel Lines (Highlands County)
- Map ID — No/Low Rated Sites
- Map ID — Medium/High Rated Sites
- Railroad Corridor (Map ID 10 - Rated Medium)
- Institutional Controls (Map ID 18)

Note: Map ID 9 - Brownfield Area (Rated No) Not Depicted.



SR 70 PD&E Study CSER

From Jefferson Avenue to CR 29

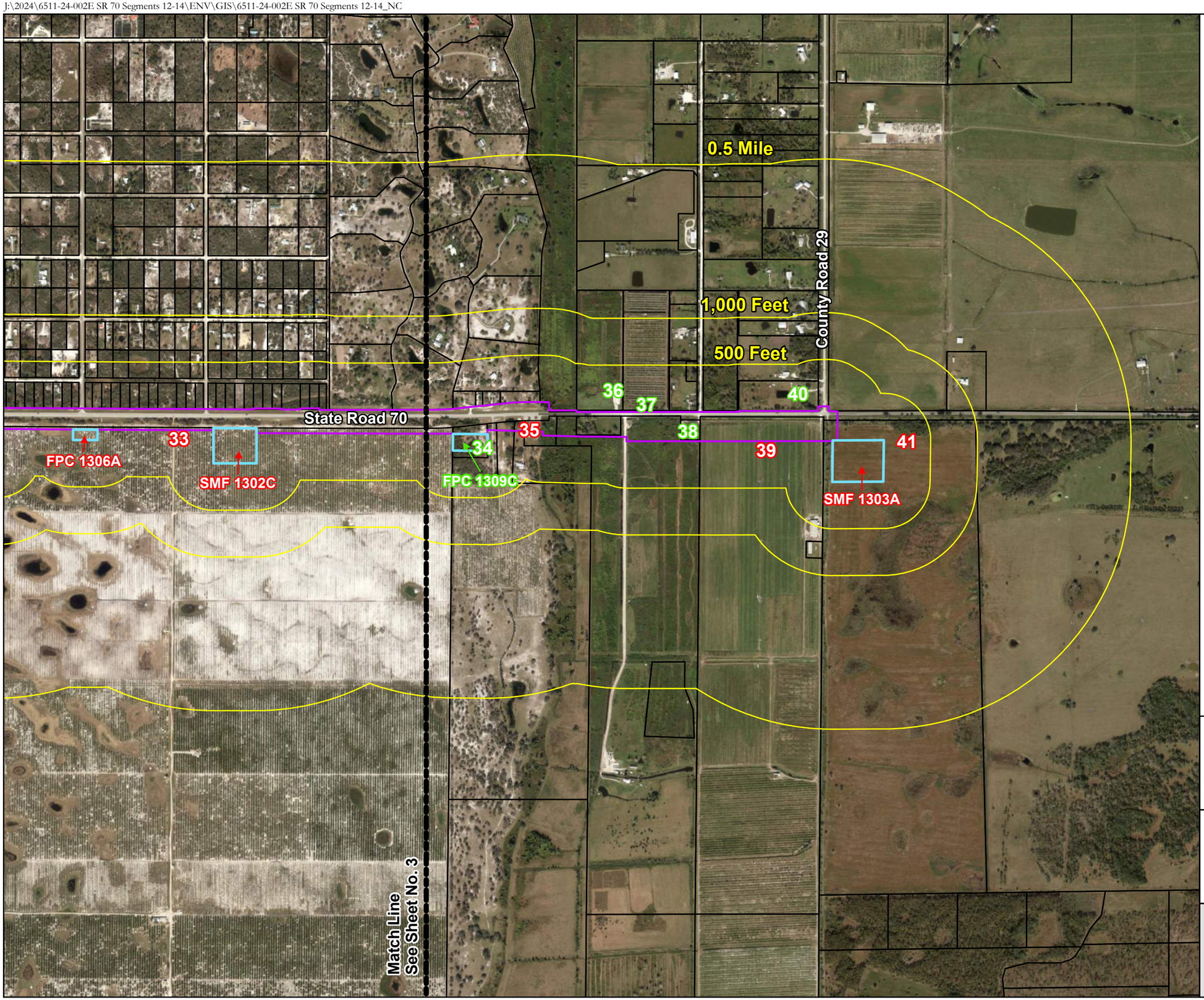
Highlands County, Florida

Tierra Project No.: 6511-24-002E

Contamination Site Map

Sheet No. 3

J:\2024\6511-24-002E SR 70 Segments 12-14\ENV\GIS\6511-24-002E SR 70 Segments 12-14_NC



N

1,000 500 0 1,000

1 Inch = 1,000 Feet

Legend

- Project ROW
- Drainage Sites
- Parcel Lines (Highlands County)
- Map ID — No/Low Rated Sites
- Map ID — Medium/High Rated Sites

Note: Map ID 42 - SR 70 Desoto County (Rated No) Not Depicted (Location Unknown).



SR 70 PD&E Study CSER

From Jefferson Avenue to CR 29

Highlands County, Florida

Tierra Project No.: 6511-24-002E

Contamination Site Map

Sheet No. 4

APPENDIX B

EDM Reports

Environmental Data Report

Custom Radius Research

Subject Property:

SR 70 Seg 12 & 13

Higlands County, Florida

Prepared For:

Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Prepared By:

Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770

July 08, 2025

Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida
33770
Tel. (727) 586-1700
http://www.edm-net.com

July 08, 2025

Owen Rocks
Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Subject: **Custom Radius Research - EDM Project #27303**

Dear Mr. Rocks

Thank you for choosing Environmental Data Management, Inc. The following report provides the results of our environmental data research that you requested for the following location:

SR 70 Seg 12 & 13

Higlands County, Florida

The following is a summary of the components contained within this report:

- **Executive Summary** –lists the databases that were searched for this report, the search distance criteria and the number of sites identified for each database.
- **Map of Study Area**– street map showing the location of the Subject Property and any regulatory listed sites identified within the search criteria.
- **Site Summary Table** –displays the Map ID number, Permit or Registration number, Name/Address and the Government Database(s) for the identified regulatory listed sites.
- **Detail Reports** – data detail for each database record identified.
- **Proximal Records Table** – a listing of potentially relevant sites identified just beyond the search criteria.
- **Non-Mapped Records Table** - lists those government records that do not contain sufficient address information to plot within our GIS system, but may still exist within your study area.
- **Addl Maps (where applicable)** – includes Recent Aerial Photo, USGS Topographic maps, FEMA Floodplain & NWI Wetland Map, map of statewide American Indian Lands and our Environmental Impact Areas map, showing the location of suspect sites such as NPL/STNPL, Brownfields, FUDS, etc.... Our Florida well data report is also include with the Standard and Comprehensive formats.
- **Agency List Descriptions –** defines the regulatory databases included in this report along with the dates that each database was last updated by the respective agency and EDM.

At EDM we take great pride in our work, and continually strive to provide you with the most accurate and thorough research service available. This report is only intended as a means to assist in identifying locations that may pose an environmental concern relative to the property under evaluation. Its use is not intended to replace the need for a complete environmental assessment or regulatory file review, but rather as a supplement to the overall evaluation.

Thank you again for selecting EDM as your data research provider. Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

ENVIRONMENTAL DATA MANAGEMENT, INC.

Executive Summary

Report Date: 7/8/2025

Client Information	Project Information
Tierra Inc 7351 Temple Terrace Hwy Tampa, FL 33637 Client Job No: 6511-24-002E Client P.O. No:	Custom Radius Research SR 70 Seg 12 & 13 Higlands County, Florida EDM Job No# 27303

The following table displays the databases that were included in the research provided and the number of records identified for each database. Site distance values indicated in this report are measured from the boundary of the Subject Property. The absence of records in this table and the Site Summary Tables indicates that our research found no regulated sites within the specified search distances from the Subject Property.

AGENCY DATABASES RESEARCHED	Total # Found
EPA DATABASES	
National Priorities List(NPL)	0
SEMS Active Site Inventory List(SEMSACTV)	1
Comp Env Resp, Compensation & Liability Info Sys List(CERCLIS)	1
SEMS Archived Site Inventory List(SEMSARCH)	1
Archived Cerclis Sites(NFRAP)	0
RCRIS Handlers with Corrective Action(CORRACTS)	0
Tribal Tanks List(TRIBLTANKS)	0
Tribal Lust List(TRIBLLUST)	0
Brownfields Management System(USBRWNFLDS)	0
Institutional and/or Engineering Controls(USINSTENG)	0
NPL Liens List(NPLLIENS)	0

*** Disclaimer ***
Please understand that the regulatory databases we utilize were not originally intended for our use, but rather for the source agency's internal tracking of sites for which they have jurisdiction or other interest. As a result of this difference in intended use, their data is frequently found to be incomplete or inaccurate, and is less than ideal for our use. Our report is not to be relied upon for any purpose other than to "point" at approximate locations where further evaluation may be warranted. No conclusion can be based solely upon our report. Rather, our report should be used as a first step in directing your attention at potential problem areas, which should be followed up by site inspections, interviews with relevant personnel, regulatory file review and other means as specified in the ASTM Standard E 1527-13. Readers proceed at their own risk in relying upon this data, in whole or in part, for use within any evaluation. More detailed language with regard to such limitations and our Terms and Conditions may be found on our website at edm-net.com.

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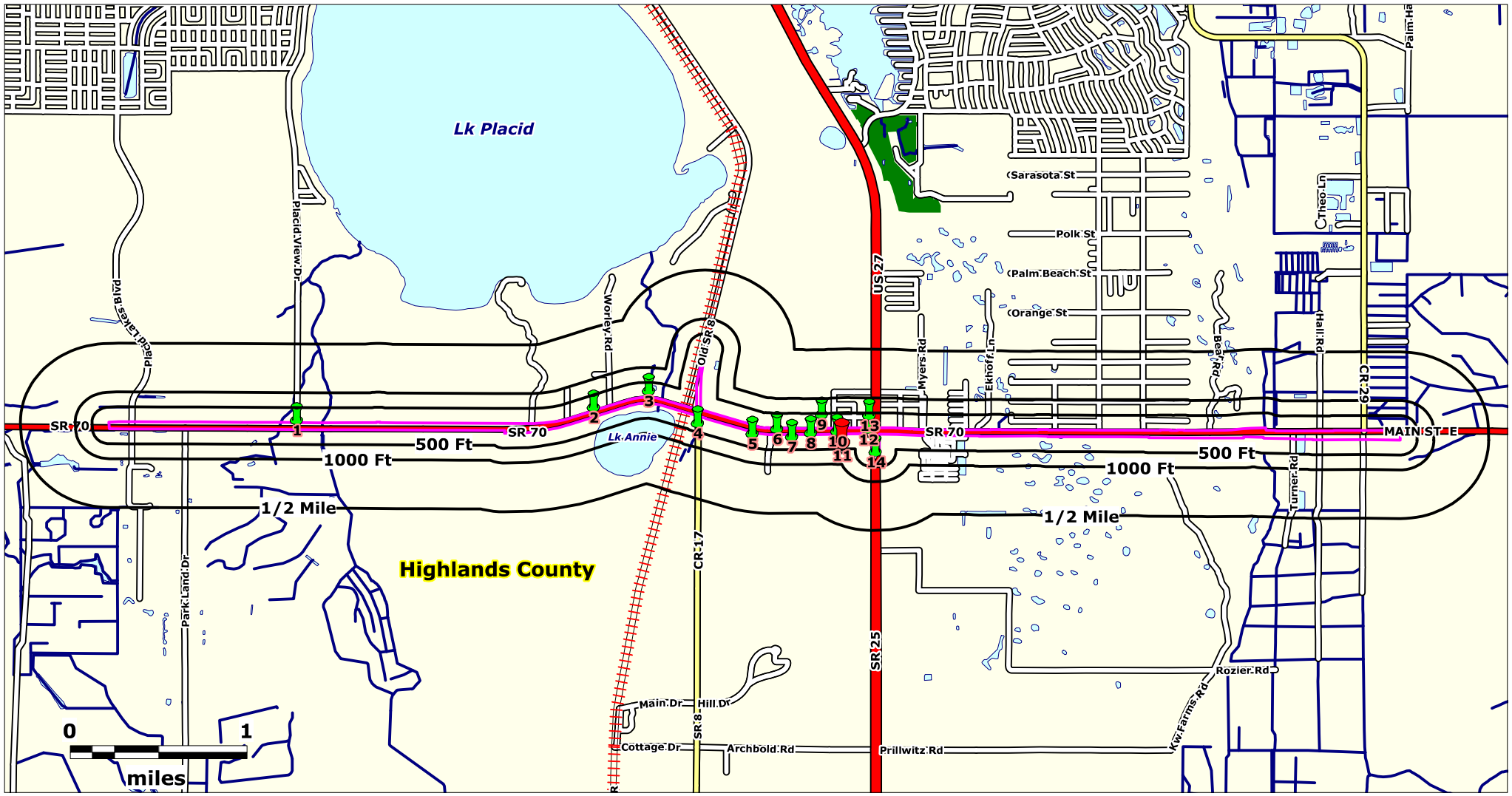
AGENCY DATABASES RESEARCHED	Total # Found
FDEP DATABASES	
State NPL Equivalent(STNPL)	0
State CERCLIS/SEMS Equivalent(STCERC)	4
Solid Waste Facilities List_Landfills(SLDWST_LF)	0
Leaking Underground Storage Tanks List(LUST)	4
Underground/Aboveground Storage Tanks(TANKS)	13
State Designated Brownfields(BRWNFLDS)	1
Voluntary Cleanup List(VOLCLNUP)	4
Institutional and/or Engineering Controls(INSTENG)	1
Dry Cleaners List(DRY)	0
Solid Waste Facilities List_Non-Landfills(SLDWST_NLF)	0
ERIC PFAS Sites(STPFAS)	0

*** Disclaimer ***
Please understand that the regulatory databases we utilize were not originally intended for our use, but rather for the source agency's internal tracking of sites for which they have jurisdiction or other interest. As a result of this difference in intended use, their data is frequently found to be incomplete or inaccurate, and is less than ideal for our use. Our report is not to be relied upon for any purpose other than to "point" at approximate locations where further evaluation may be warranted. No conclusion can be based solely upon our report. Rather, our report should be used as a first step in directing your attention at potential problem areas, which should be followed up by site inspections, interviews with relevant personnel, regulatory file review and other means as specified in the ASTM Standard E 1527-13. Readers proceed at their own risk in relying upon this data, in whole or in part, for use within any evaluation. More detailed language with regard to such limitations and our Terms and Conditions may be found on our website at edm-net.com.

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Custom Radius Research Report
Street Map



Source: US Census Bureau TIGER Files

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13
Higlands County, Florida

Lat (DMS): 27 12' 40.3344"
Lon (DMS: -81 20' 41.9172"

EDM Job No: 27303
July 8, 2025

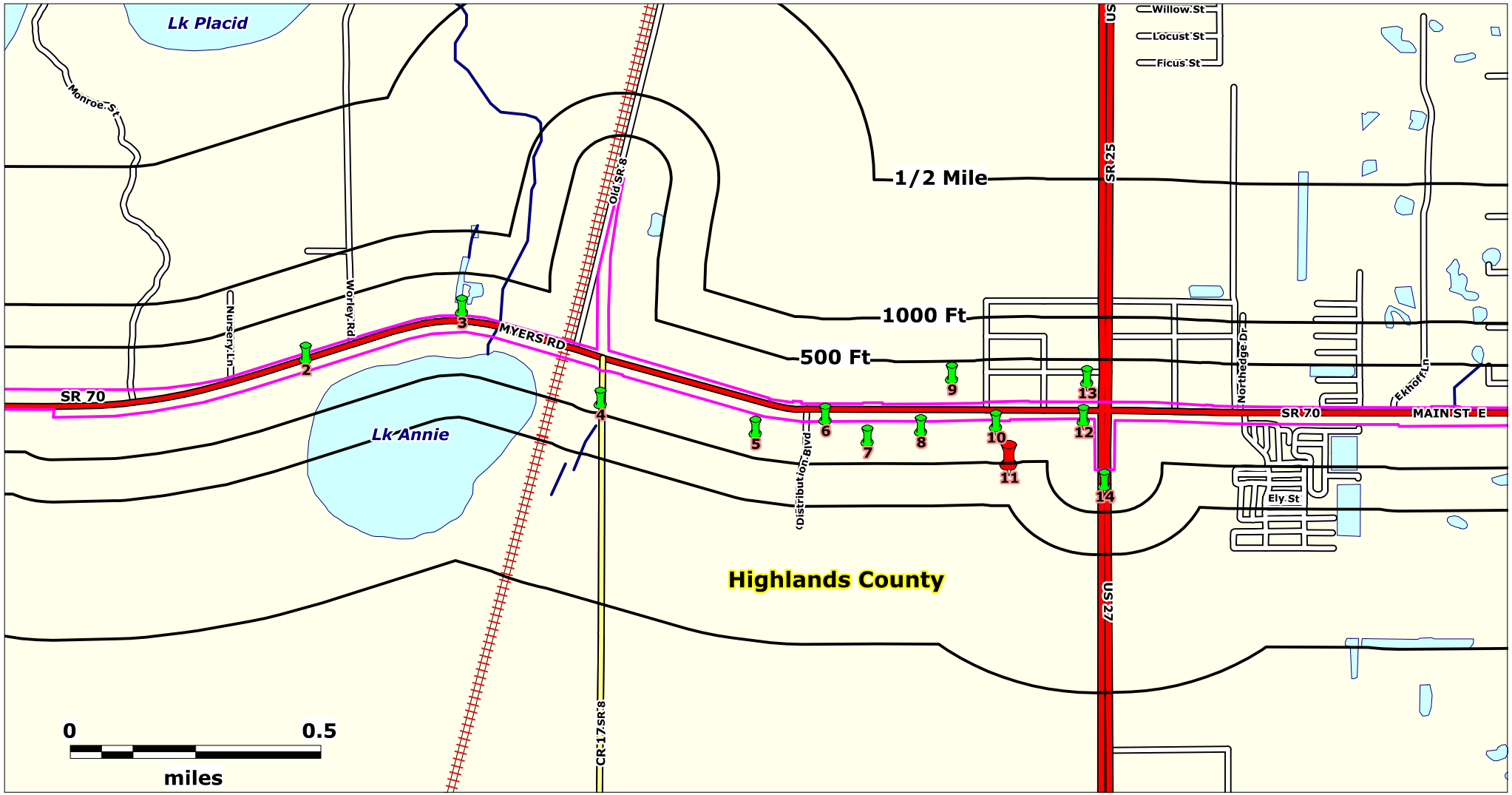
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP, STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS, INSTENG & PFAS sites - 500 Feet

Custom Radius Research Report
Street Map



Source: US Census Bureau TIGER Files

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13
Higlands County, Florida

Lat (DMS): 27 12' 40.3344"
Lon (DMS: -81 20' 41.9172"

EDM Job No: 27303
July 8, 2025

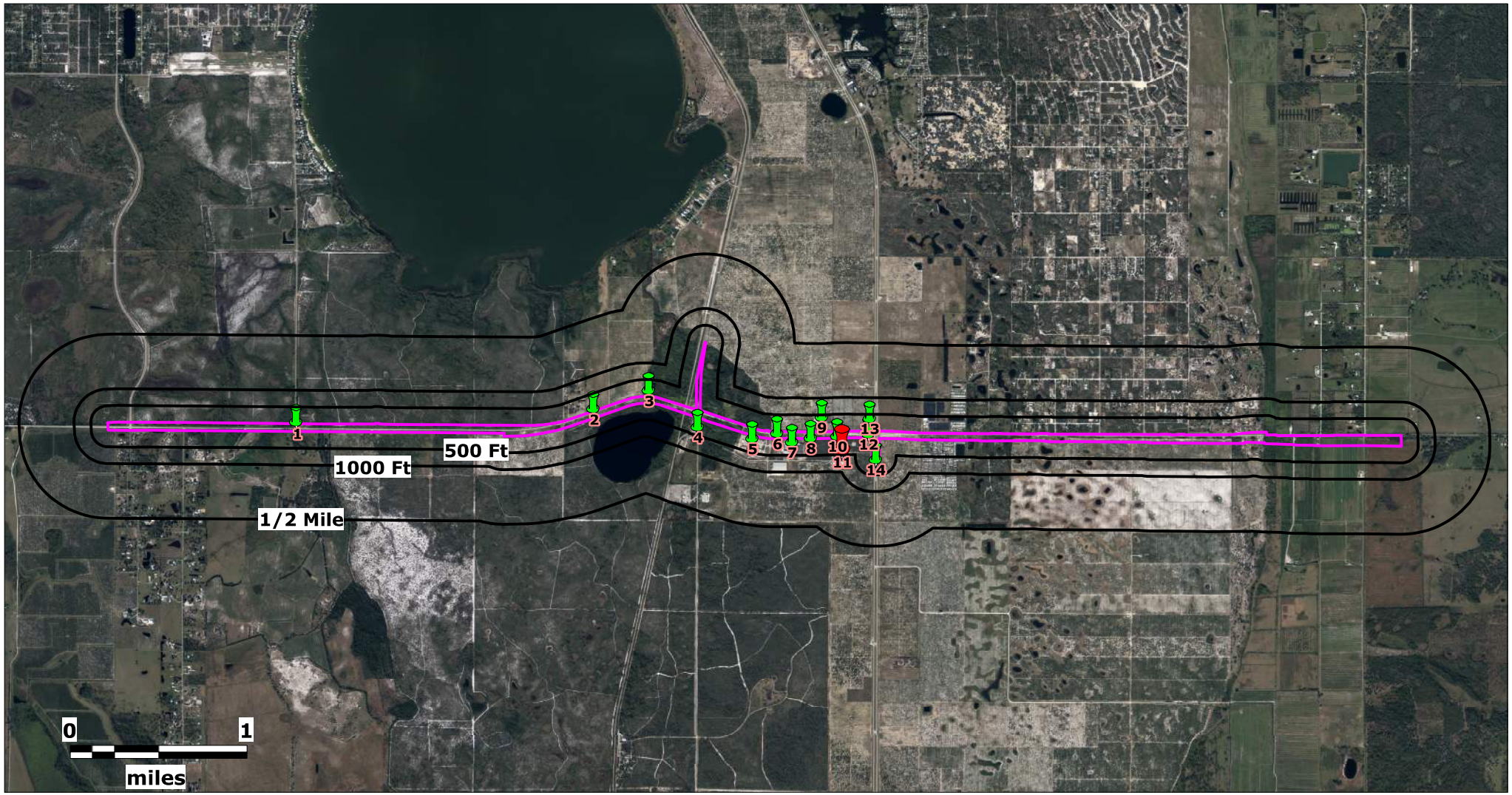
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP, STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS, INSTENG & PFAS sites - 500 Feet

Custom Radius Research Report
2023 Aerial Photo



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13
Higlands County, Florida

Lat (DMS): 27 12' 40.3344"
Lon (DMS: -81 20' 41.9172"

EDM Job No: 27303
July 8, 2025

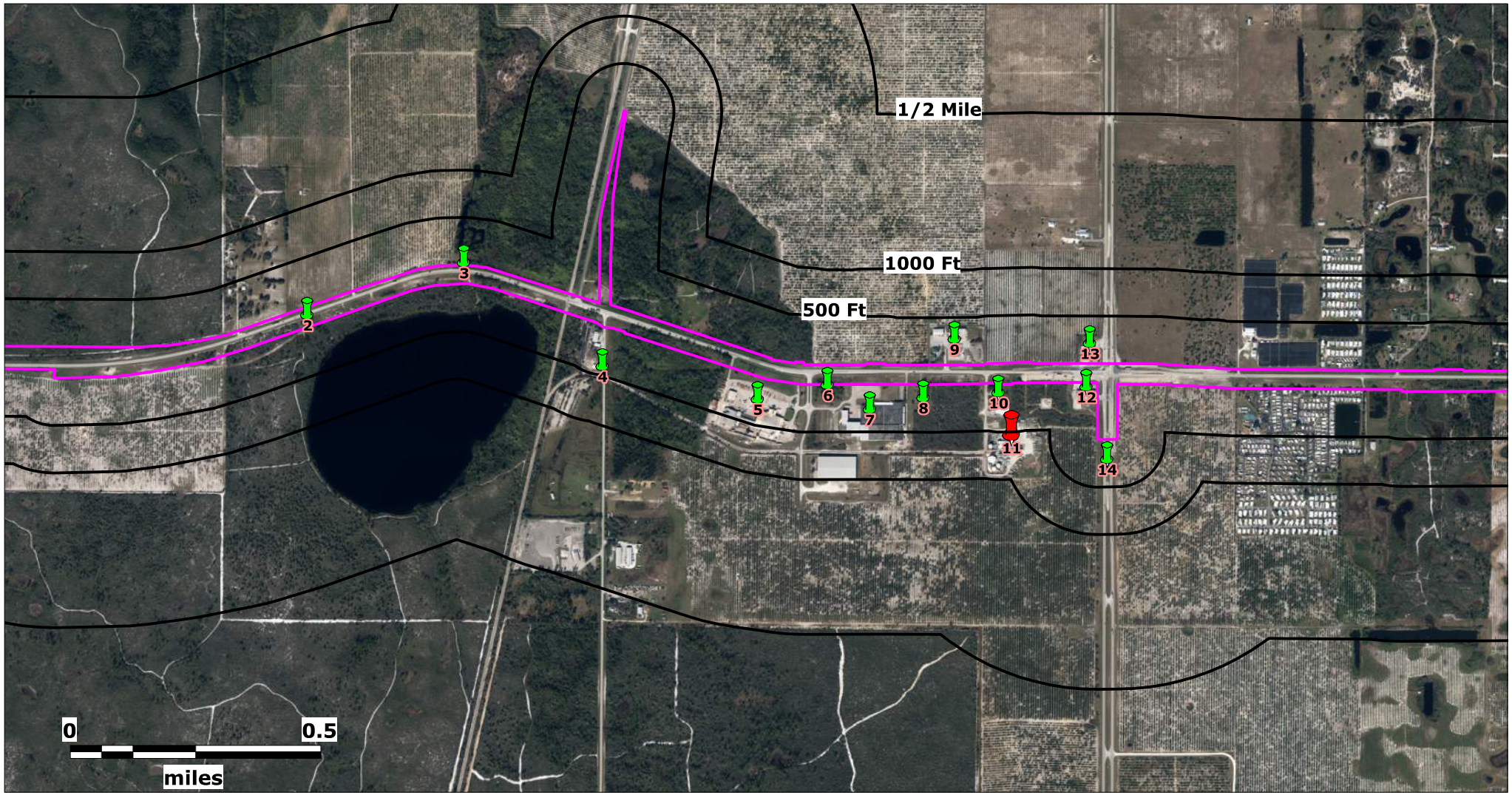
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP, STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS, INSTENG & PFAS sites - 500 Feet

Custom Radius Research Report
2023 Aerial Photo



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13
Higlands County, Florida

Lat (DMS): 27 12' 40.3344"
Lon (DMS: -81 20' 41.9172"

EDM Job No: 27303
July 8, 2025

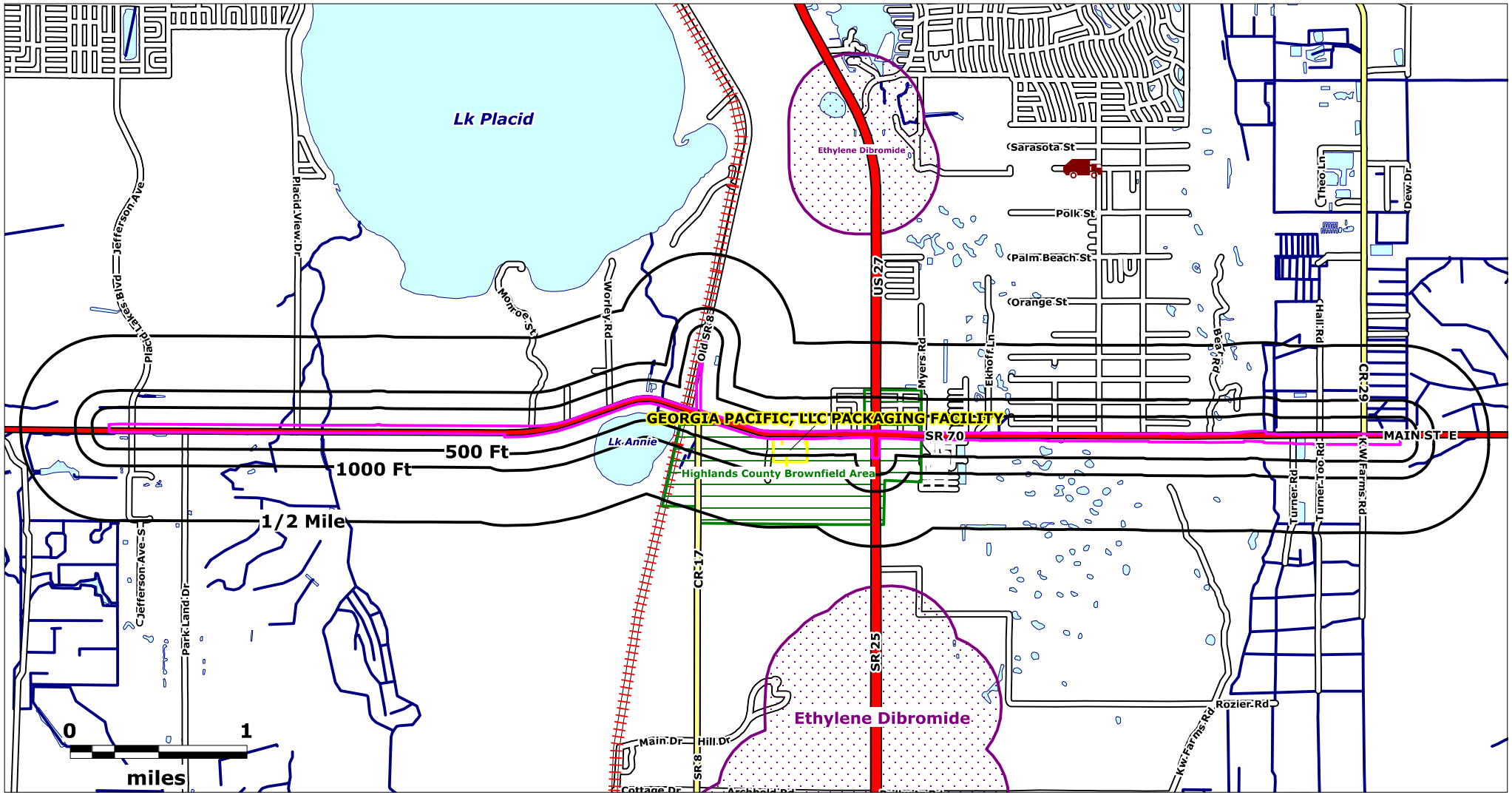
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP, STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS, INSTENG & PFAS sites - 500 Feet

Custom Radius Research Report
Environmental Impact Areas Map



Source: FDEP and USEPA Geodata

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13
Higlands County, Florida

Lat (DMS): 27 12' 40.3344"
Lon (DMS: -81 20' 41.9172"

EDM Job No: 27303
July 8, 2025

- FDEP Brownfield Areas
- Formerly Used Defense Sites FUDS
- FDEP Brownfield Sites
- FUDS Munitions Response Areas
- USEPA NPL & FDEP STNPL Sites
- FDEP Cattle Dipping Vat
- FDEP Delineated GW Contamination
- FDEP Solid Waste Sites
- Institutional Controls
- Approximate Site Boundary

ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research

Site Summary Table

Report Date: 7/8/2025

MapID / Prgm List	Fac ID No	Site Dist (ft)	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
1						
TANKS	8736758	0	0.00	-	70 GROVE	HWY 70 LAKE PLACID, FL 33852
2						
LUST	8521077	0	112.84	Higher	DIVISION OF FORESTRY-HERREN NURSERY	1801 HWY 70 W LAKE PLACID, FL 338529163
TANKS	8521077	0	112.84	Higher	DIVISION OF FORESTRY-HERREN NURSERY	1801 HWY 70 W LAKE PLACID, FL 33852
3						
TANKS	9401208	0	115.49	Higher	WORLEY BLOCK	1307 HWY 70 W LAKE PLACID, FL 33852
4						
STCERC	ERIC_13318	497	115.21	Higher	GLADES ELECTRIC TRUCK FIRE	2813 OLD STATE RT. 8 LAKE PLACID, FL
VOLCLNUP	378167	497	115.21	Higher	GLADES ELECTRIC TRUCK FIRE	2813 OLD STATE RT. 8 LAKE PLACID, FL
VOLCLNUP	ERIC_13318	497	115.21	Higher	GLADES ELECTRIC TRUCK FIRE	2813 OLD STATE RT. 8 LAKE PLACID, FL
5						
TANKS	8519674	314	119.94	Higher	HOWARD FERTILIZER INC	600 HWY 70 W LAKE PLACID, FL 33852
6						
BRWNFLDS	BF280601000	90	127.47	Higher	Highlands County Brownfield Area	SEBRING, FL
7						
INSTENG	621	350	140.13	Higher	GEORGIA-PACIFIC CORP	400 STATE ROAD 70 WEST Lake Placid, FL 33852
STCERC	ERIC_13299	350	140.13	Higher	400 STATE ROAD 70 WEST AST FAILURE	400 STATE ROAD 70 WEST LAKE PLACID, FL 33852
STCERC	ERIC_6682	350	140.13	Higher	GEORGIA PACIFIC, LLC PACKAGING FACILITY	400 STATE ROAD 70 WEST Lake Placid, FL 33852
TANKS	8520366	350	140.13	Higher	GEORGIA-PACIFIC CORP	400 SR 70 W LAKE PLACID, FL 33852
VOLCLNUP	305712	350	140.13	Higher	400 STATE ROAD 70 WEST AST FAILURE	400 STATE ROAD 70 WEST LAKE PLACID, FL 33852
VOLCLNUP	ERIC_13299	350	140.13	Higher	400 STATE ROAD 70 WEST AST FAILURE	400 STATE ROAD 70 WEST LAKE PLACID, FL
8						
TANKS	8626671	226	123.04	Higher	AT&T COMMUNICATIONS-CHILDS MICROWAVE	SR 70-1 MI W OF US 27 LAKE PLACID, FL 33960
9						
TANKS	8732786	186	144.20	Higher	GLADES ELECTRIC-LAKE PLACID YARD	221 HWY 70 W LAKE PLACID, FL 33852
10						
TANKS	8732475	173	134.04	Higher	WEDGWORTHS INC	211 STATE ROAD 70 W LAKE PLACID, FL 33852
11						
CERCLIS	FLD070080924	651	133.51	Higher	DOUGLASS FERTILIZER & CHEMICAL	JCT US 27 & SR 70 LAKE PLACID, FL 33852
SEMSACTV	FLD070080924	651	133.51	Higher	DOUGLASS FERTILIZER & CHEMICAL	JCT US 27 & SR 70 LAKE PLACID, FL 33852
SEMSARCH	FLD070080924	651	133.51	Higher	DOUGLASS FERTILIZER & CHEMICAL	JCT US 27 & SR 70 LAKE PLACID, FL 33852
12						
LUST	8626328	117	136.95	Higher	CHEVRON #48021-THOMAS	2758 US HWY 27 S LAKE PLACID, FL 338528596
LUST	9046139	117	136.95	Higher	27 TRUCK STOP	2758 US HWY 27 S LAKE PLACID, FL 338528596
TANKS	8626328	117	136.95	Higher	CHEVRON #48021	2758 US HWY 27 S LAKE PLACID, FL 33852
TANKS	9046139	117	136.95	Higher	27 TRUCK STOP	2758 US HWY 27 S LAKE PLACID, FL 33852
13						
LUST	8519614	126	132.51	Higher	CIRCLE K #2707451	2742 US 27 S LAKE PLACID, FL 33852
STCERC	8519614	126	132.51	Higher	CIRCLE K #2707451	2742 US 27 S LAKE PLACID, FL 33852
TANKS	8519614	126	132.51	Higher	CIRCLE K #2707451	2742 US 27 S LAKE PLACID, FL 33852
TANKS	9818541	126	132.51	Higher	CIRCLE K #2706993	15041 HWY 27 LAKE WALES, FL 33852
14						
TANKS	8733682	297	101.47	Higher	LAKE PLACID CARETAKERS INC	HWY 27 S OF HWY 70 LAKE PLACID, FL 33852

EDM

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FDEP STORAGE TANKS REPORT

Report Date: 7/8/2025

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8736758
70 GROVE
HWY 70
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

JFI CORP
PO BOX 902
LAKE PLACID, FL 33852
CONTACT: /8134652821

SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): /

MAP ID NUMBER: 1
Dist (FEET): 0.00
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop: -

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN
FAC TYPE: Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	250		Vehicular Diesel	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: D UNKNOWN
PIPING TYPE:
LEAK MONITORING: Y UNKNOWN

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

FACILITY ID NUMBER, NAME AND LOCATION

8521077
DIVISION OF FORESTRY-HERREN NURSERY
1801 HWY 70 W
LAKE PLACID, FL 33852-9163

FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)

OWNERSHIP INFO:

ACCOUNT OWNER
FL DEPT OF AGRICULTURE
1203 GOVERNORS SQUARE BLVD A
TALLAHASSEE, FL 32301-2994
(850)414-9928

COUNTY ID: 28 HIGHLANDS
AGCY LAT/LON(DMS): 27,12,35.6815 81,21,22.8196
FAC OPERATOR: FLORIDA DIVISION OF FORESTRY
FAC TEL #: (941)465-0024

MAP ID NUMBER: 2

Dist (FEET): 0.00
Direction:
Elev (Ft): 112.84
Elev vs Sub Prop: Higher

LUST

FAC STATUS: CLOSED **FAC TYPE:** G - State Government

SCORE **SCORE EFF DT:** **RANK:** **SCORE WHEN RANKED:**

DISCHARGE INFORMATION

Mapid: 2

DISCHARGE DATE: 12/23/1988

INSPECTION DATE:
CLEANUP WORK STATUS: COMPLETED
CLEANUP REQUIRED N - NO CLEANUP REQUIRED **CLEANUP COMBINED:**
INFO SOURCE: E - EDI
DISCH CLNUP STATUS: 5/29/2001 NREQ - CLEANUP NOT REQUIRED
CONTAMINATED MEDIA?: **SOIL:** **SUR WATER:** **GR WATER:** **MON WELL:** **# DW WELLS CONTAMINATED:**
POLLUTANT : Z - OTHER NON REGULATED **GALLONS** **OTHER** UNKNOWN

CLEANUP INFORMATION

Mapid: 2

PGM ELIG OFF: -
PGM ELIG SCORE: **PGM ELIG SCORE EFF DT:** **PGM ELIG R**
ELIG STAT: INELIGIBLE **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**
DEDUCT AMT: **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:** 0
CLNUP PROG: E - EARLY DETECTION INCEN **CLNUP OFF:** -

SITE ASSESSMENT*
CLNP RESP: ST - STATE
FUND ELLIG: -
ACTUAL COMPLETION DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN*
CLEANUP RESP: ST - STATE
FUND ELLIG: -
ORDER APPRV DATE:
ACTUAL COMPL DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION*
CLEANUP RESP: ST - STATE
FUND ELLIG: -
ACTUAL COST:
YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT*
ACTION TYPE: -
SUBMIT DATE:
REVIEW DATE:
ISSUE DATE:
COMPL STATUS: -
COMPL STATUS DT:
COMMENTS:

SOURCE REMOVAL*
CLEANUP RESP: ST - STATE
FUND ELLIG: -
ACTUAL COMPLETION DATE:
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL? (Y/N):
SOIL TONNAGE REMOVED:
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?:
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

DISCHARGE INFORMATION

Mapid: 2

DISCHARGE DATE: 6/30/1992

INSPECTION DATE:

CLEANUP WORK STATUS: COMPLETED

CLEANUP REQUIRED N - NO CLEANUP REQUIRED **CLEANUP COMBINED:**

INFO SOURCE: A - ABANDONED TANK RESTORATION

DISCH CLNUP STATUS: 5/29/2001 NREQ - CLEANUP NOT REQUIRED

CONTAMINATED MEDIA?: **SOIL:** **SUR WATER:** **GR WATER:** **MON WELL:** **# DW WELLS CONTAMINATED:**

POLLUTANT : Y - UNKNOWN/NOT REPORTED **GALLONS** **OTHER**

CLEANUP INFORMATION

Mapid: 2

PGM ELIG OFF: -

PGM ELIG SCORE: **PGM ELIG SCORE EFF DT:** **PGM ELIG R**

ELIG STAT: INELIGIBLE **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**

DEDUCT AMT: **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:** 0

CLNUP PROG: A - ABANDONED TANK RESTO **CLNUP OFF:** -

SITE ASSESSMENT*

CLNP RESP: -
FUND ELLIG: -
ACTUAL COMPLETION DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN*

CLEANUP RESP: -
FUND ELLIG: -
ORDER APPRV DATE:
ACTUAL COMPL DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION*

CLEANUP RESP: -
FUND ELLIG: -
ACTUAL COST:
YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT*

ACTION TYPE: -
SUBMIT DATE:
REVIEW DATE:
ISSUE DATE:
COMPL STATUS: -
COMPL STATUS DT:
COMMENTS:

SOURCE REMOVAL*

CLEANUP RESP: -
FUND ELLIG: -
ACTUAL COMPLETION DATE:
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL? (Y/N):
SOIL TONNAGE REMOVED:
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?:
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION

8521077
DIVISION OF FORESTRY-HERREN NURSERY
1801 HWY 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

FL DEPT OF AGRICULTURE
1203 GOVERNORS SQUARE BLVD ATTN
TALLAHASSEE, FL 32301
CONTACT TEL #: 8504149928
CONTACT: FL DEPT OF AGRICULTURE
FACILTY TEL #: 9414650024
COUNTY ID: 28 HIGHLANDS

MAP ID NUMBER: 2
Dist (FEET): 0.00
Direction:
Elev (Ft): 112.84
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: CLOSED **FAC TYPE:** State Government

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	20000	01-Jan-1985	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Nov-1995

CONSTRUCTION TYPE: FIBERGLASS-CLAD STEEL
PIPING TYPE:
LEAK MONITORING: MANUALLY SAMPLED WELLS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	1000	01-Jan-1985	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 01-Nov-1995

CONSTRUCTION TYPE: FIBERGLASS-CLAD STEEL
PIPING TYPE:
LEAK MONITORING: MANUALLY SAMPLED WELLS

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FDEP STORAGE TANKS REPORT

Report Date: 7/8/2025

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

9401208
WORLEY BLOCK
1307 HWY 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

IAD CAPITAL CORP
2165 US 27 S
LAKE PLACID, FL 33852
CONTACT: RUSS ATTREE/8634650777

SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 41 / 81 20 59

MAP ID NUMBER: 3

Dist (FEET): 0.00
Direction:
Elev (Ft): 115.49
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	4000	01-Mar-1992	Vehicular Diesel	ABOVEGROUND	REMOVED FROM SITE 01-Oct-2007

CONSTRUCTION TYPE: CK STEEL/AST CONTAINMENT
PIPING TYPE:
LEAK MONITORING: Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	500	01-Jul-1984	Leaded Gas	UNDERGROUND	UNMAINTAINED 01-Jul-1984

CONSTRUCTION TYPE: C STEEL
PIPING TYPE:
LEAK MONITORING: X NONE

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FDEP SITE INVESTIGATION SECTION SITES, FDEP ERIC WASTE CLEANUP SITES, FDEP CLEANUP SITES AND FDER SITES LIST

(STCERC)

FACILITY NAME AND LOCATION:

GLADES ELECTRIC TRUCK FIRE
2813 OLD STATE RT. 8
LAKE PLACID, FL

AGENCY SITE LAT/LON:
358705.08036017
662462.98715501

MAP ID NUMBER: 4

Dist (FEET): 497.00
Direction:
Elev (Ft): 115.21
Elev vs Sub Prop: Higher

STCERC

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

SITE INVESTIGATION SECTION INFO:
SITE NO:
ALT SITE NO:
DISTRICT: SD

FDER SITES LIST INFO:
SITE NO:
LEAD UNIT:
PRJ MGR:
ATTY:
SUP UNIT:
STATUS:
STATUS DATE:

CLEANUP SITES INFO:
SRC DATA ID:
SRC DATA PGM:
PGM AREA:
CLNP CAT:
REM STATUS:
COMMENTS:

ERIC WASTE CLEANUP SITES INFO: **ERIC ID NO:** ERIC_13318 **SITE NAME:** GLADES ELECTRIC TRUCK FIRE

SRC FAC ID: 138682 **SRC FAC NAME:** GLADES ELECTRIC TRUCK FIRE **SITE STATUS:** CLOSED

PROGRAM: Responsible Party Cleanup **PROGRAM TYPE:** RESPONSPARTY **DISCHARGE DATE:**
PROGRAM STATUS: COMPLETE **SITE PHASE DESCR:** Phase 5 - Cleanup Complete
OFFSITE COMTAM KEY: CONTAMUNKNOWN **ICR ?:** N

ERIC WASTE CLEANUP SITES INFO: **ERIC ID NO:** ERIC_13318 **SITE NAME:** GLADES ELECTRIC TRUCK FIRE

SRC FAC ID: 138682 **SRC FAC NAME:** GLADES ELECTRIC TRUCK FIRE **SITE STATUS:** OPEN

PROGRAM: Responsible Party Cleanup **PROGRAM TYPE:** RESPONSPARTY **DISCHARGE DATE:**
PROGRAM STATUS: ACTIVE **SITE PHASE DESCR:** Phase 1 - Initial Assessment
OFFSITE COMTAM KEY: CONTAMUNKNOWN **ICR ?:** N

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FDEP VOLUNTARY CLEANUP SITES

(VOLCLNUP)

FACILITY ID NUMBER, NAME AND LOCATION:

378167 **--HISTORICAL ENTRY--**
GLADES ELECTRIC TRUCK FIRE
2813 OLD STATE RT. 8
LAKE PLACID, FL

COUNTY: HIGHLANDS
DISTRICT:
AGENCY LAT:
AGENCY LON:

MAP ID NUMBER: 4
Dist (FEET): 497.00
Direction:
Elev (Ft): 115.21
Elev vs Sub Prop: Higher

VOLCLNUP

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

BSRA DATA
AREA ID: **AREA NAME:**
ACREAGE: **REMED STATUS:** **BSRA DATE:** **SRCO DATE:**
COMMENTS:

WASTE CLEANUP DATA
PROJ ID: 384764 **OGC NO:** **STATUS:** OPEN **PRIORITY SCORE:** **INIT DATA RCVD:** **6/20/2019**
CONTAMINANTS:
OFFSITE CONTAM?: **FEATURE:**

FACILITY ID NUMBER, NAME AND LOCATION:

ERIC_13318
GLADES ELECTRIC TRUCK FIRE
2813 OLD STATE RT. 8
LAKE PLACID, FL

COUNTY: Highlands
DISTRICT: SD
AGENCY LAT:
AGENCY LON:

MAP ID NUMBER: 4
Dist (FEET): 497.00
Direction:
Elev (Ft): 115.21
Elev vs Sub Prop: Higher

VOLCLNUP

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

ERIC WASTE CLEANUP DATA
SOURCE FAC ID NO: 138682 **SOURCE FAC NAME:** GLADES ELECTRIC TRUCK FIRE **SITE STATUS:** **OPEN**
PROGRAM: Responsible Party Cleanup **PROGRAM STATUS:** ACTIVE **SITE MANAGER:** Caleb Hill
DISCH DATE: **OFFSITE CONTAM KEY?:** CONTAMUNKNOWN **INST CONTROL?:** N **SITE PHASE:** Phase 1 - Initial Assessment

ERIC WASTE CLEANUP DATA
SOURCE FAC ID NO: 138682 **SOURCE FAC NAME:** GLADES ELECTRIC TRUCK FIRE **SITE STATUS:** **CLOSED**
PROGRAM: Responsible Party Cleanup **PROGRAM STATUS:** COMPLETE **SITE MANAGER:**
DISCH DATE: **OFFSITE CONTAM KEY?:** CONTAMUNKNOWN **INST CONTROL?:** N **SITE PHASE:** Phase 5 - Cleanup Complete

BSRA DATA
AREA ID: **AREA NAME:**
ACREAGE: **REMED STATUS:** **BSRA DATE:** **SRCO DATE:**
COMMENTS:

WASTE CLEANUP DATA
PROJ ID: **OGC NO:** **STATUS:** **PRIORITY SCORE:** **INIT DATA RCVD:**
CONTAMINANTS:
OFFSITE CONTAM?: **FEATURE:**

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FDEP STORAGE TANKS REPORT

Report Date: 7/8/2025

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8519674
HOWARD FERTILIZER INC
600 HWY 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

HOWARD FERTILIZER INC
8306 S ORANGE AVE
Orlando, FL 32809
CONTACT: Kelly Knai/3524327301

SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 27 / 81 20 25

MAP ID NUMBER: 5
Dist (FEET): 314.00
Direction:
Elev (Ft): 119.94
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
6	3000	01-Jul-1970	Leaded Gas	UNDERGROUND	REMOVED FROM SITE 31-Oct-1988

CONSTRUCTION TYPE:	AC	BALL CHECK VALVE/STEEL
PIPING TYPE:		
LEAK MONITORING:	I	NOT REQUIRED

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
7	3000	01-Jul-1970	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 31-Oct-1988

CONSTRUCTION TYPE:	AC	BALL CHECK VALVE/STEEL
PIPING TYPE:		
LEAK MONITORING:	I	NOT REQUIRED

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
8	10000	01-Jul-1969	Vehicular Diesel	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE:	ACK	BALL CHECK VALVE/STEEL/AST CONTAINMENT
PIPING TYPE:	ABC	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/FIBERGLASS
LEAK MONITORING:	Q	VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
9	15000	01-Jul-1969	Vehicular Diesel	ABOVEGROUND	IN SERVICE 23-Feb-2018

CONSTRUCTION TYPE:	ACK	BALL CHECK VALVE/STEEL/AST CONTAINMENT
PIPING TYPE:	ABC	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/FIBERGLASS
LEAK MONITORING:	6IQX	EXTERNAL PIPING MONITORING/NOT REQUIRED/VISUAL INSPECTION OF ASTS/NONE

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FDEP DESIGNATED BROWNFIELDS

Report Date: 7/8/2025

(BRWNFLDS)

ID NUMBER, NAME AND LOCATION

BF280601000
Highlands County Brownfield Area

SEBRING, FL

AREA ID: BF280601000
AREA NAME: Highlands County Brownfield Area
SITE ID:
SOURCE: Sebring/Highlands County
FDEP DISTRICT: South
AGENCY LAT/LON: 27.4653 / -81.4191

MAP ID NUMBER: 6
Dist (FEET): 90.00
Direction:
Elev (Ft): 127.47
Elev vs Sub Prop: Higher

BRWNFLDS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

ACREAGE: 12769.0607465 **RESOLUTION DATE:** 3/7/2006 **RESOLUTION #:** 05-06-130
BSRA DATE: **SRCO DATE:** **REMEDIATION STATUS:**
COMMENTS:

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FDEP SITE INVESTIGATION SECTION SITES, FDEP ERIC WASTE CLEANUP SITES, FDEP CLEANUP SITES AND FDER SITES LIST

(STCERC)

FACILITY NAME AND LOCATION:

400 STATE ROAD 70 WEST AST FAILURE
400 STATE ROAD 70 WEST
LAKE PLACID, FL 33852

AGENCY SITE LAT/LON:
358544.58816015
663460.83905515

MAP ID NUMBER: 7
Dist (FEET): 350.00
Direction:
Elev (Ft): 140.13
Elev vs Sub Prop: Higher

STCERC

FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)

SITE INVESTIGATION SECTION INFO:
SITE NO:
ALT SITE NO:
DISTRICT: SD

FDER SITES LIST INFO:
SITE NO:
LEAD UNIT:
PRJ MGR:
ATTY:
SUP UNIT:
STATUS:
STATUS DATE:

CLEANUP SITES INFO:
SRC DATA ID:
SRC DATA PGM:
PGM AREA:
CLNP CAT:
REM STATUS:
COMMENTS:

ERIC WASTE CLEANUP SITES INFO:
ERIC ID NO: ERIC_13299
SITE NAME: 400 STATE ROAD 70 WEST AST FAILURE
SRC FAC ID: 546
SRC FAC NAME: Georgia Pacific Corrugated LLC
SITE STATUS: CLOSED
PROGRAM: Responsible Party Cleanup
PROGRAM TYPE: RESPONSPARTY
DISCHARGE DATE:
PROGRAM STATUS: COMPLETEWITHCOND
SITE PHASE DESCR: Phase 4 - Design Implementation
OFFSITE COMTAM KEY: CONTAMUNKNOWN
ICR ?: N

FACILITY NAME AND LOCATION:

GEORGIA PACIFIC, LLC PACKAGING FACILITY
400 STATE ROAD 70 WEST
Lake Placid, FL 33852

AGENCY SITE LAT/LON:
358586.87606016
663323.48135513

MAP ID NUMBER: 7
Dist (FEET): 350.00
Direction:
Elev (Ft): 140.13
Elev vs Sub Prop: Higher

STCERC

FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)

SITE INVESTIGATION SECTION INFO:
SITE NO:
ALT SITE NO:
DISTRICT: SD

FDER SITES LIST INFO:
SITE NO:
LEAD UNIT:
PRJ MGR:
ATTY:
SUP UNIT:
STATUS:
STATUS DATE:

CLEANUP SITES INFO:
SRC DATA ID: ERIC_6682
SRC DATA PGM: ERIC
PGM AREA: HW
CLNP CAT: OTHCU
REM STATUS: OPEN
COMMENTS: Alternate ID: FLD045003613

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FDEP SITE INVESTIGATION SECTION SITES, FDEP ERIC WASTE CLEANUP SITES, FDEP CLEANUP SITES AND FDER SITES LIST

(STCERC)

ERIC WASTE CLEANUP SITES INFO:

ERIC ID NO: ERIC_6682

SITE NAME: GEORGIA PACIFIC, LLC PACKAGING FACILITY

SRC FAC ID: 8520366

SRC FAC NAME: GEORGIA-PACIFIC CORP

SITE STATUS: OPEN

PROGRAM: Hazardous Waste Cleanup Program

PROGRAM TYPE: RCRA

DISCHARGE DATE:

PROGRAM STATUS: ACTIVE

SITE PHASE DESCR: Phase 4 - Design Implementation

OFFSITE COMTAM KEY: NOCONTAM

ICR ?: Y

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FDEP STORAGE TANKS REPORT

Report Date: 7/8/2025

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8520366
GEORGIA-PACIFIC CORP
400 SR 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

GEORGIA PACIFIC CORP LAKE
P O BOX 1087
LAKE PLACID, FL 33852
CONTACT: DOLAN ZETROUER/8134653413
SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 16 / 81 27 11

MAP ID NUMBER: 7
Dist (FEET): 350.00
Direction:
Elev (Ft): 140.13
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Industrial Plant

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	30000	01-Jul-1968	Fuel Oil - Onsite Heat	UNDERGROUND	IN SERVICE
CONSTRUCTION TYPE:	C	STEEL			
PIPING TYPE:	B	STEEL/GALVANIZED METAL			
LEAK MONITORING:	I	NOT REQUIRED			

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	30000	01-Jul-1968	Fuel Oil - Onsite Heat	UNDERGROUND	IN SERVICE
CONSTRUCTION TYPE:	C	STEEL			
PIPING TYPE:	B	STEEL/GALVANIZED METAL			
LEAK MONITORING:	I	NOT REQUIRED			

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
4	560	01-Jul-1968	Generator/Pump Diesel	ABOVEGROUND	REMOVED FROM SITE 01-Mar-1995
CONSTRUCTION TYPE:	C	STEEL			
PIPING TYPE:	B	STEEL/GALVANIZED METAL			
LEAK MONITORING:	I	NOT REQUIRED			

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
5	550	01-Jul-1968	Generator/Pump Diesel	ABOVEGROUND	OUT OF SERVICE 30-Jun-1992
CONSTRUCTION TYPE:	C	STEEL			
PIPING TYPE:	B	STEEL/GALVANIZED METAL			
LEAK MONITORING:	I	NOT REQUIRED			

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
7	3000	01-Jul-1968	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 30-Jun-1989
CONSTRUCTION TYPE:	C	STEEL			
PIPING TYPE:	C	FIBERGLASS			
LEAK MONITORING:	C	GROUNDWATER MONITORING PLAN			

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
8	550	01-Jun-1992	Generator/Pump Diesel	ABOVEGROUND	IN SERVICE
CONSTRUCTION TYPE:	CK	STEEL/AST CONTAINMENT			
PIPING TYPE:	AB	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL			
LEAK MONITORING:	L	AUTOMATIC TANK GAUGING-USTS			

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FDEP STORAGE TANKS REPORT

(TANKS)

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
9	20000	01-Jun-1995	Fuel Oil - Onsite Heat	ABOVEGROUND	IN SERVICE 01-Jun-1995

CONSTRUCTION TYPE:	CPI	STEEL/LEVEL GAUGES/ALARMS/DOUBLE WALL
PIPING TYPE:	BDA	STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING/ABV, NO SOIL CONTACT
LEAK MONITORING:	DL	SPCC PLAN/AUTOMATIC TANK GAUGING-USTS

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FDEP VOLUNTARY CLEANUP SITES

(VOLCLNUP)

FACILITY ID NUMBER, NAME AND LOCATION:

305712 **--HISTORICAL ENTRY--**
400 STATE ROAD 70 WEST AST FAILURE
400 STATE ROAD 70 WEST
LAKE PLACID, FL 33852

COUNTY: HIGHLANDS
DISTRICT:
AGENCY LAT:
AGENCY LON:

MAP ID NUMBER: 7
Dist (FEET): 350.00
Direction:
Elev (Ft): 140.13
Elev vs Sub Prop: Higher

VOLCLNUP

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

BSRA DATA

AREA ID: **AREA NAME:**
ACREAGE: **REMED STATUS:** **BSRA DATE:** **SRCO DATE:**
COMMENTS:

WASTE CLEANUP DATA

PROJ ID: 327181 **OGC NO:** **STATUS:** CLOSED **PRIORITY SCORE:** **INIT DATA RCVD:** 4/8/2011
CONTAMINANTS:
OFFSITE CONTAM?: **FEATURE:**

FACILITY ID NUMBER, NAME AND LOCATION:

ERIC_13299
400 STATE ROAD 70 WEST AST FAILURE
400 STATE ROAD 70 WEST
LAKE PLACID, FL 33852

COUNTY: Highlands
DISTRICT: SD
AGENCY LAT:
AGENCY LON:

MAP ID NUMBER: 7
Dist (FEET): 350.00
Direction:
Elev (Ft): 140.13
Elev vs Sub Prop: Higher

VOLCLNUP

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

ERIC WASTE CLEANUP DATA

SOURCE FAC ID NO: 546 **SOURCE FAC NAME:** Georgia Pacific Corrugated LLC **SITE STATUS:** CLOSED
PROGRAM: Responsible Party Cleanup **PROGRAM STATUS:** COMPLETEWITHCOND **SITE MANAGER:** Charles Masella
DISCH DATE: **OFFSITE CONTAM KEY?:** CONTAMUNKNOWN **INST CONTROL?:** N **SITE PHASE:** Phase 4 - Design Implementatio

BSRA DATA

AREA ID: **AREA NAME:**
ACREAGE: **REMED STATUS:** **BSRA DATE:** **SRCO DATE:**
COMMENTS:

WASTE CLEANUP DATA

PROJ ID: **OGC NO:** **STATUS:** **PRIORITY SCORE:** **INIT DATA RCVD:**
CONTAMINANTS:
OFFSITE CONTAM?: **FEATURE:**

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FDEP INSTITUTIONAL/ENGINEERING CONTROLS REGISTRY

Report Date: 7/8/2025

(INSTENG)

FACILITY ID NUMBER, NAME AND LOCATION:

621
GEORGIA-PACIFIC CORP
400 STATE ROAD 70 WEST
Lake Placid, FL 33852

ICR CONTROL #: 621
PRIMARY FAC ID: STCM-8520366
PRIMARY SITE ID #: ERIC_6682
SITE LAT/LON: 27207098 81336539
COUNTY: Highlands
PARCEL ID, BOOK, PG: 2235, 2235 / 1302, 1302-1310

MAP ID NUMBER: 7
Dist (FEET): 350.00
Direction:
Elev (Ft): 140.13
Elev vs Sub Prop: Higher

INSTENG

COMMENTS: Lead impacted soils are mixed with Neat Portland Cement to form a monument. This monument is buried with a minimum 2.0 foot clean soil cover. The monument is erosion secured on the south perimeter by a concrete wall constructed of Jersey Barriers.

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

BOUNDARY KEY: 825

DESCRIPTION: LAND USE RESTRICTION

CONTROL MECHANISM: Recorded ICs, Recorded ICs/Declaration of Restrictive Covenant, Declaration of Restrictive Covenant

PRGM AREA: RCRA/Hazardous Waste Cleanup Program

IC RECORDED: 4/22/2010 **IC EFFECTIVE:** 22-APR-10, 22-APR-10 **IC REMOVED:** **IC AMENDED:** 3/4/2021

CONTAM MEDIA: Groundwater, Soil **CONTAMNT:** Chromium (total), Lead, Metal-Lead-Legacy

INST CONTROL RESTRICTION: Dewatering, Digging, Groundwater Use, Land Use, Soil Exposure, Stormwater Features

ENG CONTROL TYPE: Immobilization-Legacy, None, Permeable cap

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FDEP STORAGE TANKS REPORT

Report Date: 7/8/2025

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8626671
AT&T COMMUNICATIONS-CHILDS MICROWAVE
SR 70-1 MI W OF US 27
LAKE PLACID, FL 33960

OWNERSHIP INFORMATION

AT&T
227 W MONROE ST #1004 ATTN: JOH
CHICAGO, IL 60606
CONTACT: JOHN A MATTHEWS/3122305249
SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 26 / 81 20 5

MAP ID NUMBER: 8
Dist (FEET): 226.00
Direction:
Elev (Ft): 123.04
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: CLOSED **FAC TYPE:** Fuel user/Non-retail

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	2000	01-Jul-1964	Kerosene	UNDERGROUND	REMOVED FROM SITE 31-Dec-1989

CONSTRUCTION TYPE: C STEEL
PIPING TYPE:
LEAK MONITORING: I NOT REQUIRED

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FDEP STORAGE TANKS REPORT

Report Date: 7/8/2025

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8732786
GLADES ELECTRIC-LAKE PLACID YARD
221 HWY 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

GLADES ELECTRIC CO OP INC
PO BOX 519 ATTN: STORAGE TANK R
MOORE HAVEN, FL 33471
CONTACT: JIM MORRISSEY/8632273217
SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 33 / 81 20 0

MAP ID NUMBER: 9
Dist (FEET): 186.00
Direction:
Elev (Ft): 144.20
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Fuel user/Non-retail

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	5000	01-Oct-1982	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Dec-1995

CONSTRUCTION TYPE: CMO — STEEL/SPILL CONTAINMENT BUCKET/TIGHT FILL
PIPING TYPE:
LEAK MONITORING: LO8 — AUTOMATIC TANK GAUGING-USTS/VAPOR MONITORING/MANUALLY SAMPLED WELLS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	3000	01-Mar-1989	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 01-Dec-1995

CONSTRUCTION TYPE: FMOI — FIBERGLASS-CLAD STEEL/SPILL CONTAINMENT BUCKET/TIGHT FILL/DOUBLE WALL
PIPING TYPE:
LEAK MONITORING: LO8 — AUTOMATIC TANK GAUGING-USTS/VAPOR MONITORING/MANUALLY SAMPLED WELLS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
3	12000	01-Apr-2002	Vehicular Diesel	ABOVEGROUND	IN SERVICE 01-Apr-2002

CONSTRUCTION TYPE: CILMP — STEEL/DOUBLE WALL/COMPARTMENTED/SPILL CONTAINMENT BUCKET/LEVEL GAUGES/ALARMS
PIPING TYPE: ABK — ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/DISPENSER LINERS
LEAK MONITORING: FQ — MONITOR DBL WALL TANK SPACE/VISUAL INSPECTION OF ASTS

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FDEP STORAGE TANKS REPORT

Report Date: 7/8/2025

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8732475
WEDGWORTHS INC
211 STATE ROAD 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

WEDGWORTHS INC
PO BOX 2076 ATTN: STORAGE TANK
Belle Glade, FL 33430
CONTACT: DENNIS WEDGWORTH (SHERIDA/56199

SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 22 / 81 19 54

MAP ID NUMBER: 10

Dist (FEET): 173.00
Direction:
Elev (Ft): 134.04
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	12000	01-Jan-1975	Vehicular Diesel	ABOVEGROUND	REMOVED FROM SITE 01-Jun-2022

CONSTRUCTION TYPE: CKP STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE: AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING: 6Q EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	12000	01-Jan-1975	Vehicular Diesel	ABOVEGROUND	IN SERVICE 01-Aug-2007

CONSTRUCTION TYPE: CKP STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE: AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING: 6Q EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
12CL	23000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 23-Jun-2023

CONSTRUCTION TYPE: EQ FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE: AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING: Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
13	25000	01-Jan-1997	Other Non Regulated	ABOVEGROUND	NONREG USE/PROCESS 01-Jan-1997

CONSTRUCTION TYPE: ACKP BALL CHECK VALVE/STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE: AILZ ABV, NO SOIL CONTACT/SUCTION PIPING SYSTEM/BULK PRODUCT SYSTEM/DEP APPROVED PIPING
LEAK MONITORING: 26Q VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
14	25000	01-Jan-1997	Other Non Regulated	ABOVEGROUND	REMOVED FROM SITE 01-Jan-1997

CONSTRUCTION TYPE: ACKP BALL CHECK VALVE/STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE: AILZ ABV, NO SOIL CONTACT/SUCTION PIPING SYSTEM/BULK PRODUCT SYSTEM/DEP APPROVED PIPING
LEAK MONITORING: 26Q VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
14CL	30000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 28-Apr-2023

CONSTRUCTION TYPE: EQ FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE: AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING: QY VISUAL INSPECTION OF ASTS/UNKNOWN

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FDEP STORAGE TANKS REPORT

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
17	8000	01-Aug-1999	Mineral Acid	ABOVEGROUND	REMOVED FROM SITE 01-Jun-2015

CONSTRUCTION TYPE:	ACKP	BALL CHECK VALVE/STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE:	AGN	ABV, NO SOIL CONTACT/PIPE TRENCH LINER/APPROVED SYNTHETIC MATERIAL
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
17CL	23000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 23-Jun-2023

CONSTRUCTION TYPE:	EQ	FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	Q	VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1800	1800	21-Dec-2020	Vehicular Diesel	ABOVEGROUND	IN SERVICE 30-Dec-2020

CONSTRUCTION TYPE:	ACHI	BALL CHECK VALVE/STEEL/IMPRESSED CURRENT CP/DOUBLE WALL
PIPING TYPE:	X	NO PIPING ASOCIATED W/TANK
LEAK MONITORING:	Q	VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
18CL	23000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 28-Apr-2023

CONSTRUCTION TYPE:	EQ	FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	QY	VISUAL INSPECTION OF ASTS/UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
19	8000	01-Aug-1999	Mineral Acid	ABOVEGROUND	REMOVED FROM SITE 25-Jun-2015

CONSTRUCTION TYPE:	ACKP	BALL CHECK VALVE/STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE:	AGN	ABV, NO SOIL CONTACT/PIPE TRENCH LINER/APPROVED SYNTHETIC MATERIAL
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	10000	01-Jul-2007	Vehicular Diesel	ABOVEGROUND	REMOVED FROM SITE 01-Jun-2022

CONSTRUCTION TYPE:	CKNP	STEEL/AST CONTAINMENT/FLOW SHUT OFF/LEVEL GAUGES/ALARMS
PIPING TYPE:	ABI	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/SUCTION PIPING SYSTEM
LEAK MONITORING:	6Q	EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	10000	01-Jul-2007	Vehicular Diesel	ABOVEGROUND	IN SERVICE 01-Jul-2007

CONSTRUCTION TYPE:	CKNP	STEEL/AST CONTAINMENT/FLOW SHUT OFF/LEVEL GAUGES/ALARMS
PIPING TYPE:	ABI	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/SUCTION PIPING SYSTEM
LEAK MONITORING:	6Q	EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

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FDEP STORAGE TANKS REPORT

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
22	30000	01-Jan-1975	Misc Petrol-Based Product	ABOVEGROUND	DELETED 01-Jan-1975

CONSTRUCTION TYPE:		
PIPING TYPE:		
LEAK MONITORING:		

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
23	30000	01-Jan-1975	Misc Petrol-Based Product	ABOVEGROUND	DELETED 01-Jan-1975

CONSTRUCTION TYPE:		
PIPING TYPE:		
LEAK MONITORING:		

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
25CL	23000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 23-Jun-2023

CONSTRUCTION TYPE:	EQ	FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	Q	VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
36	300000	01-Jan-1975	Misc Petrol-Based Product	ABOVEGROUND	REMOVED FROM SITE 16-Oct-2015

CONSTRUCTION TYPE:	ACPS	BALL CHECK VALVE/STEEL/LEVEL GAUGES/ALARMS/DEP APPROVED CONTAINTMENT
PIPING TYPE:	AILZ	ABV, NO SOIL CONTACT/SUCTION PIPING SYSTEM/BULK PRODUCT SYSTEM/DEP APPROVED PIPING
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
36CL	23000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 28-Apr-2023

CONSTRUCTION TYPE:	EQ	FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	QY	VISUAL INSPECTION OF ASTS/UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
37	10000	19-Jan-2024	Mineral Acid	ABOVEGROUND	IN SERVICE 19-Jan-2024

CONSTRUCTION TYPE:	QY	DEP APPROVED PROTECTION/POLYETHYLENE
PIPING TYPE:	AZ	ABV, NO SOIL CONTACT/DEP APPROVED PIPING
LEAK MONITORING:	Q	VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
38	14700	01-Jan-1985	Other Non Regulated	ABOVEGROUND	REMOVED FROM SITE 01-Jul-2015

CONSTRUCTION TYPE:	ER	FIBERGLASS/DOUBLE WALL-TANK JACKET
PIPING TYPE:	ABDI	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING/SUCTION PIPING SYSTEM
LEAK MONITORING:	MN	MANUAL TANK GAUGING-USTS/GROUNDWATER MONITORING

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FDEP STORAGE TANKS REPORT

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
53	12000	01-Aug-1979	Ammonia Compound	ABOVEGROUND	REMOVED FROM SITE 01-Mar-2003

CONSTRUCTION TYPE: CA STEEL/BALL CHECK VALVE

PIPING TYPE: ABD ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING

LEAK MONITORING: N GROUNDWATER MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
53	12000	01-Aug-1979	Ammonia Compound	ABOVEGROUND	DELETED 01-Jul-2002

CONSTRUCTION TYPE: CA STEEL/BALL CHECK VALVE

PIPING TYPE: ABD ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING

LEAK MONITORING: N GROUNDWATER MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
54	12000	01-Aug-1979	Ammonia Compound	ABOVEGROUND	DELETED 01-Aug-1979

CONSTRUCTION TYPE: CA STEEL/BALL CHECK VALVE

PIPING TYPE: ABD ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING

LEAK MONITORING: N GROUNDWATER MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
54	12000	01-Aug-1979	Ammonia Compound	ABOVEGROUND	REMOVED FROM SITE 01-Mar-2003

CONSTRUCTION TYPE: CA STEEL/BALL CHECK VALVE

PIPING TYPE: ABD ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING

LEAK MONITORING: N GROUNDWATER MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
70	299500	01-Jan-2013	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 01-Jan-2013

CONSTRUCTION TYPE: CKMU STEEL/AST CONTAINMENT/SPILL CONTAINMENT BUCKET/FIELD ERECTED TANK

PIPING TYPE: A ABV, NO SOIL CONTACT

LEAK MONITORING: 6DQ EXTERNAL PIPING MONITORING/SPCC PLAN/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
70	299500	01-Jan-2013	Other Non Regulated	ABOVEGROUND	IN SERVICE 01-Jan-2013

CONSTRUCTION TYPE: CKMU STEEL/AST CONTAINMENT/SPILL CONTAINMENT BUCKET/FIELD ERECTED TANK

PIPING TYPE: A ABV, NO SOIL CONTACT

LEAK MONITORING: 6DQ EXTERNAL PIPING MONITORING/SPCC PLAN/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
71	300000	01-Dec-1992	Misc Petrol-Based Product	ABOVEGROUND	REMOVED FROM SITE 01-Dec-2012

CONSTRUCTION TYPE:

PIPING TYPE:

LEAK MONITORING:

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FDEP STORAGE TANKS REPORT

(TANKS)

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
D43	9841	01-Sep-1989	Other Non Regulated	ABOVEGROUND	REMOVED FROM SITE 02-Mar-2015

CONSTRUCTION TYPE:	EK	FIBERGLASS/AST CONTAINMENT
PIPING TYPE:	NA	APPROVED SYNTHETIC MATERIAL/ABV, NO SOIL CONTACT
LEAK MONITORING:	IZ	NOT REQUIRED/DEP APPROVED MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
D51	12000	01-Sep-1989	Mineral Acid	ABOVEGROUND	REMOVED FROM SITE 01-Jun-1999

CONSTRUCTION TYPE:	EK	FIBERGLASS/AST CONTAINMENT
PIPING TYPE:	NA	APPROVED SYNTHETIC MATERIAL/ABV, NO SOIL CONTACT
LEAK MONITORING:	IZ	NOT REQUIRED/DEP APPROVED MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
D52	8800	01-Sep-1989	Other Non Regulated	ABOVEGROUND	REMOVED FROM SITE 02-Mar-2015

CONSTRUCTION TYPE:	EK	FIBERGLASS/AST CONTAINMENT
PIPING TYPE:	NA	APPROVED SYNTHETIC MATERIAL/ABV, NO SOIL CONTACT
LEAK MONITORING:	IZ	NOT REQUIRED/DEP APPROVED MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-1	8000	01-Aug-1999	Other Non Regulated	ABOVEGROUND	OUT OF SERVICE 18-Jan-2024

CONSTRUCTION TYPE:	CK	STEEL/AST CONTAINMENT
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-1	8000	01-Mar-1999	Mineral Acid	ABOVEGROUND	DELETED 24-Mar-2003

CONSTRUCTION TYPE:	CK	STEEL/AST CONTAINMENT
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-1	8000	01-Aug-1999	Mineral Acid	ABOVEGROUND	IN SERVICE 01-Aug-1999

CONSTRUCTION TYPE:	CK	STEEL/AST CONTAINMENT
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-2	8000	01-Mar-1999	Mineral Acid	ABOVEGROUND	DELETED 24-Mar-2003

CONSTRUCTION TYPE:	CAKP	STEEL/BALL CHECK VALVE/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER
LEAK MONITORING:	N	GROUNDWATER MONITORING

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FDEP STORAGE TANKS REPORT

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-3	20000	01-Mar-1999	Mineral Acid	ABOVEGROUND	DELETED 01-Mar-1999
CONSTRUCTION TYPE:	AEKP	BALL CHECK VALVE/FIBERGLASS/AST CONTAINMENT/LEVEL GAUGES/ALARMS			
PIPING TYPE:	AGN	ABV, NO SOIL CONTACT/PIPE TRENCH LINER/APPROVED SYNTHETIC MATERIAL			
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS			

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-3	20000	01-Mar-1999	Mineral Acid	ABOVEGROUND	IN SERVICE 25-Jun-2015
CONSTRUCTION TYPE:	AEKP	BALL CHECK VALVE/FIBERGLASS/AST CONTAINMENT/LEVEL GAUGES/ALARMS			
PIPING TYPE:	AGN	ABV, NO SOIL CONTACT/PIPE TRENCH LINER/APPROVED SYNTHETIC MATERIAL			
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS			

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-4	8400	31-Mar-2017	Mineral Acid	ABOVEGROUND	IN SERVICE 31-Mar-2017
CONSTRUCTION TYPE:	KPY	AST CONTAINMENT/LEVEL GAUGES/ALARMS/POLYETHYLENE			
PIPING TYPE:	AGN	ABV, NO SOIL CONTACT/PIPE TRENCH LINER/APPROVED SYNTHETIC MATERIAL			
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS			

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-5	11500	25-May-2017	Mineral Acid	ABOVEGROUND	IN SERVICE 23-Jun-2022
CONSTRUCTION TYPE:	CKP	STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS			
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER			
LEAK MONITORING:	2	VISUAL INSPECT PIPE SUMPS			

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-5	11500	25-May-2017	Unknown/Not Reported	ABOVEGROUND	OUT OF SERVICE 25-May-2017
CONSTRUCTION TYPE:	CKP	STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS			
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER			
LEAK MONITORING:	2	VISUAL INSPECT PIPE SUMPS			

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
P2	6000	01-Jul-1976	Leaded Gas	UNDERGROUND	REMOVED FROM SITE
CONSTRUCTION TYPE:	E	FIBERGLASS			
PIPING TYPE:	C	FIBERGLASS			
LEAK MONITORING:	I	NOT REQUIRED			

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
P3	8000	01-Jul-1976	Leaded Gas	UNDERGROUND	REMOVED FROM SITE
CONSTRUCTION TYPE:	E	FIBERGLASS			
PIPING TYPE:	C	FIBERGLASS			
LEAK MONITORING:	I	NOT REQUIRED			

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USEPA SUPERFUND ENTERPRISE MANAGEMENT SYSTEM
ACTIVE SITE INVENTORY LIST

(SEMSACTV)

FACILITY ID NUMBER, NAME AND LOCATION:

FLD070080924 **--HISTORICAL ENTRY--**
DOUGLASS FERTILIZER & CHEMICAL
JCT US 27 & SR 70
LAKE PLACID, FL 33852

SITE ID: 400731
EPA REG: 4
CONG DISTR: 12
FIPS CODE: 12055
FED FAC?: N
COUNTY: HIGHLANDS
AGENCY LAT/LON: /

MAP ID NUMBER: 11
Dist (FEET): 651.00
Direction:
Elev (Ft): 133.51
Elev vs Sub Prop: Higher

SEMSACTV

NPL STATUS: Not on the NPL
NON NPL STATUS: NFRAP-Site does not qualify for the NPL based on existing information

SEMS ON LINE REPORTS **(May Not Be Available For All Records)**

OPERABLE UNIT: 00

ACTION CODE: SI **ACTION NAME:** SI
START DATE: **FINISH DATE:** 1/15/1991 5:00:0
QUAL: L **ACTION LEAD:** St Perf

ACTION CODE: PA **ACTION NAME:** PA
START DATE: **FINISH DATE:** 4/3/1986 5:00:00
QUAL: L **ACTION LEAD:** St Perf

ACTION CODE: OO **ACTION NAME:** SITE REASS
START DATE: **FINISH DATE:** 7/31/2003 4:00:0
QUAL: N **ACTION LEAD:** EPA Perf

ACTION CODE: DS **ACTION NAME:** DISCVRY
START DATE: 2/1/1985 6:00:00 **FINISH DATE:** 2/1/1985 6:00:00
QUAL: **ACTION LEAD:** EPA Perf

ACTION CODE: VS **ACTION NAME:** ARCH SITE
START DATE: 7/6/2017 5:00:00 **FINISH DATE:** 7/6/2017 5:00:00
QUAL: **ACTION LEAD:** EPA Perf In-Hse

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USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY INFORMATION SYSTEM LIST

(CERCLIS)

FACILITY ID NUMBER, NAME AND LOCATION

FLD070080924
DOUGLASS FERTILIZER & CHEMICAL
JCT US 27 & SR 70
LAKE PLACID, FL 33852

MAP ID NUMBER: 11

Dist (FEET): 651.00
Direction:
Elev (Ft): 133.51
Elev vs Sub Prop: Higher

CERCLIS

NPL DESCRIPTION: NOT ON THE NPL
OWNERSHIP TYPE:
FEDERAL FACILITY STATUS: NOT A FEDERAL FACILITY
NON NPL STATUS: NFRAP
SITE INCIDENT CATEGORY:

CERCLIS EVENT DETAIL FOR EACH OPERABLE UNIT

OPERABLE UNIT ID #: 00 **OPERABLE UNIT NAME:** SITEWIDE

EVENT NAME:	DISCOVERY	**START DATE:**		**COMPL DATE:**	2/1/1985	**EVENT LEAD:**	EPA Fund-Financed
EVENT NAME:	PRELIMINARY ASSESSMENT	**START DATE:**		**COMPL DATE:**	4/3/1986	**EVENT LEAD:**	State, Fund Financed
EVENT NAME:	SITE INSPECTION	**START DATE:**		**COMPL DATE:**	1/15/1991	**EVENT LEAD:**	State, Fund Financed
EVENT NAME:	SITE REASSESSMENT	**START DATE:**		**COMPL DATE:**	7/31/2003	**EVENT LEAD:**	EPA Fund-Financed

ADDITIONAL EPA COMMENTS FOR THIS FACILITY:

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USEPA SUPERFUND ENTERPRISE MANAGEMENT SYSTEM
ARCHIVED SITE INVENTORY LIST

(SEMSARCH)

FACILITY ID NUMBER, NAME AND LOCATION:

FLD070080924
DOUGLASS FERTILIZER & CHEMICAL
JCT US 27 & SR 70
LAKE PLACID, FL 33852

SITE ID: 400731
EPA REG: 4
CONG DISTR: 12
FIPS CODE: 12055
FED FAC?: N
COUNTY: HIGHLANDS
AGENCY LAT/LON: /

MAP ID NUMBER: 11
Dist (FEET): 651.00
Direction:
Elev (Ft): 133.51
Elev vs Sub Prop: Higher

SEMSARCH

NPL STATUS: Not on the NPL
NON NPL STATUS: NFRAP-Site does not qualify for the NPL based on existing information

SEMS ON LINE REPORTS **(May Not Be Available For All Records)**

OPERABLE UNIT: 00

ACTION CODE: SI **ACTION NAME:** SI
START DATE: **FINISH DATE:** 1/15/1991 5:00:0
QUAL: L **ACTION LEAD:** St Perf

ACTION CODE: OO **ACTION NAME:** SITE REASS
START DATE: **FINISH DATE:** 7/31/2003 4:00:0
QUAL: N **ACTION LEAD:** EPA Perf

ACTION CODE: PA **ACTION NAME:** PA
START DATE: **FINISH DATE:** 4/3/1986 5:00:00
QUAL: L **ACTION LEAD:** St Perf

ACTION CODE: DS **ACTION NAME:** DISCVRY
START DATE: 2/1/1985 6:00:00 **FINISH DATE:** 2/1/1985 6:00:00
QUAL: **ACTION LEAD:** EPA Perf

ACTION CODE: VS **ACTION NAME:** ARCH SITE
START DATE: 7/6/2017 5:00:00 **FINISH DATE:** 7/6/2017 5:00:00
QUAL: **ACTION LEAD:** EPA Perf In-Hse

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

FACILITY ID NUMBER, NAME AND LOCATION

8626328 **--HISTORICAL ENTRY--**
CHEVRON #48021-THOMAS
2758 US HWY 27 S
LAKE PLACID, FL 338528596

FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)

OWNERSHIP INFO:

ACCOUNT OWNER
CHEVRON PRODUCTS CO
801 SE 7TH AVE
POMPANO BEACH, FL 33060
(954) 788-9687
COUNTY ID: 28 HIGHLANDS
AGCY LAT/LON(DMS):
FAC OPERATOR:
FAC TEL #:

MAP ID NUMBER: 12

Dist (FEET): 117.00
Direction:
Elev (Ft): 136.95
Elev vs Sub Prop: Higher

LUST

FAC STATUS: **FAC TYPE:** RETAIL STATION

SCORE **SCORE EFF DT:** **RANK:** **SCORE WHEN RANKED:**

DISCHARGE INFORMATION

Mapid: 12

DISCHARGE DATE: 12/30/1988

INSPECTION DATE:
CLEANUP WORK STATUS:
CLEANUP REQUIRED NEW C/U REQUIRED **CLEANUP COMBINED:**
INFO SOURCE: EDI
DISCH CLNUP STATUS:
CONTAMINATED MEDIA?: **SOIL:** N **SUR WATER:** N **GR WATER:** N **MON WELL:** N **# DW WELLS CONTAMINATED:**
POLLUTANT : UNLEADED GAS **GALLONS** **OTHER**

CLEANUP INFORMATION

Mapid: 12

PGM ELIG OFF:
PGM ELIG SCORE: **PGM ELIG SCORE EFF DT:** **PGM ELIG R**
ELIG STAT: **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**
DEDUCT AMT: **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:**
CLNUP PROG: **CLNUP OFF:**

SITE ASSESSMENT*

CLNP RESP:
FUND ELLIG:
ACTUAL COMPLETION DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN*

CLEANUP RESP:
FUND ELLIG:
ORDER APPRV DATE:
ACTUAL COMPL DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION*

CLEANUP RESP:
FUND ELLIG:
ACTUAL COST:
YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT*

ACTION TYPE:
SUBMIT DATE:
REVIEW DATE:
ISSUE DATE:
COMPL STATUS:
COMPL STATUS DT:
COMMENTS:

SOURCE REMOVAL*

CLEANUP RESP:
FUND ELLIG:
ACTUAL COMPLETION DATE:
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL? (Y/N):
SOIL TONNAGE REMOVED:
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?:
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION

8626328
CHEVRON #48021
2758 US HWY 27 S
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

CHEVRON PRODUCTS CO
PO BOX 6004 ATTN: PERMIT DESK
San Ramon, CA 94583
CONTACT TEL #: 9258429002
CONTACT: CHEVRON PRODUCTS CO
FACILTY TEL #:
COUNTY ID: 28 HIGHLANDS

MAP ID NUMBER: 12
Dist (FEET): 117.00
Direction:
Elev (Ft): 136.95
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: CLOSED **FAC TYPE:** Retail Station

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	10000	01-Jul-1971	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE

CONSTRUCTION TYPE: STEEL
PIPING TYPE:
LEAK MONITORING: UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	5000	01-Jul-1971	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE

CONSTRUCTION TYPE: STEEL
PIPING TYPE:
LEAK MONITORING: UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
3	10000	01-Jul-1971	Leaded Gas	UNDERGROUND	REMOVED FROM SITE

CONSTRUCTION TYPE: STEEL
PIPING TYPE:
LEAK MONITORING: UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
4	550	01-Jul-1971	Waste Oil	UNDERGROUND	REMOVED FROM SITE

CONSTRUCTION TYPE: STEEL
PIPING TYPE:
LEAK MONITORING: UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
5	10000	01-Jul-1971	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE

CONSTRUCTION TYPE: STEEL
PIPING TYPE:
LEAK MONITORING: UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
6	3000	01-Jul-1971	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE

CONSTRUCTION TYPE: STEEL
PIPING TYPE:
LEAK MONITORING: UNKNOWN

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

FACILITY ID NUMBER, NAME AND LOCATION

9046139
27 TRUCK STOP
2758 US HWY 27 S
LAKE PLACID, FL 33852-8596

FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)

OWNERSHIP INFO:

ACCOUNT OWNER
27 TRUCK STOP
2758 US 27 S
LAKE PLACID, FL 33852-
(863)260-0413
COUNTY ID: 28 HIGHLANDS
AGCY LAT/LON(DMS): 27,12,27.4895 81,19,45.6689
FAC OPERATOR: RAHEEM (RAY) ABDUL
FAC TEL #: (863)260-0413

MAP ID NUMBER: 12

Dist (FEET): 117.00
Direction:
Elev (Ft): 136.95
Elev vs Sub Prop: Higher

LUST

FAC STATUS: OPEN **FAC TYPE:** A - Retail Station
SCORE 30 **SCORE EFF DT:** 1/6/1998 **RANK:** **SCORE WHEN RANKED:**

DISCHARGE INFORMATION

Mapid: 12

DISCHARGE DATE: 1/6/1993

INSPECTION DATE:
CLEANUP WORK STATUS: COMPLETED
CLEANUP REQUIRED R - CLEANUP REQUIRED
CLEANUP COMBINED:
INFO SOURCE: I - PLIRP (INSURANCE)
DISCH CLNUP STATUS: 3/22/1995 NFA - NFA COMPLETE
CONTAMINATED MEDIA?: **SOIL:** **SUR WATER:** **GR WATER:** **MON WELL:** **# DW WELLS CONTAMINATED:**
POLLUTANT : Y - UNKNOWN/NOT REPORTED **GALLONS** **OTHER**

CLEANUP INFORMATION

Mapid: 12

PGM ELIG OFF: -
PGM ELIG SCORE: 30 **PGM ELIG SCORE EFF DT:** **PGM ELIG R**
ELIG STAT: ELIGIBLE **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**
DEDUCT AMT: **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:** 1000000
CLNUP PROG: P - PETROLEUM LIABILITY AN **CLNUP OFF:** -

SITE ASSESSMENT*

CLNP RESP: RP - RESPONSIBLE PARTY
FUND ELLIG: -
ACTUAL COMPLETION DATE: 03-22-1995
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN*

CLEANUP RESP: -
FUND ELLIG: -
ORDER APPRV DATE:
ACTUAL COMPL DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION*

CLEANUP RESP: RP - RESPONSIBLE PARTY
FUND ELLIG: -
ACTUAL COST:
YEARS TO COMPL: 3

SITE REHABILITATION COMPLETION REPORT*

ACTION TYPE: NFA - NO FURTHER ACTION
SUBMIT DATE: 12-01-1994
REVIEW DATE: 03-22-1995
ISSUE DATE: 03-22-1995
COMPL STATUS: A - APPROVED
COMPL STATUS DT: 03-22-1995
COMMENTS:

SOURCE REMOVAL*

CLEANUP RESP: -
FUND ELLIG: -
ACTUAL COMPLETION DATE:
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL? (Y/N):
SOIL TONNAGE REMOVED:
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?:
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION

9046139
27 TRUCK STOP
2758 US HWY 27 S
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

27 TRUCK STOP
2758 US 27 S
LAKE PLACID, FL 33852
CONTACT TEL #: 8632600413
CONTACT: 27 TRUCK STOP
FACILTY TEL #: 8632600413
COUNTY ID: 28 HIGHLANDS

MAP ID NUMBER: 12
Dist (FEET): 117.00
Direction:
Elev (Ft): 136.95
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Retail Station

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	10000	01-Mar-1990	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Mar-2009

CONSTRUCTION TYPE: BALL CHECK VALVE/FIBERGLASS/SPILL CONTAINMENT BUCKET
PIPING TYPE: FIBERGLASS/EXTERNAL PROTECTIVE COATING/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS
LEAK MONITORING: MECHANICAL LINE LEAK DETECTOR/VISUAL INSPECTION OF ASTS/STATISTICAL INVENTORY RECONCILE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	10000	01-Mar-1990	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Mar-2009

CONSTRUCTION TYPE: BALL CHECK VALVE/FIBERGLASS/SPILL CONTAINMENT BUCKET
PIPING TYPE: FIBERGLASS/EXTERNAL PROTECTIVE COATING/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS
LEAK MONITORING: MECHANICAL LINE LEAK DETECTOR/VISUAL INSPECTION OF ASTS/STATISTICAL INVENTORY RECONCILE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
3	10000	01-Mar-1990	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Mar-2009

CONSTRUCTION TYPE: BALL CHECK VALVE/FIBERGLASS/SPILL CONTAINMENT BUCKET
PIPING TYPE: FIBERGLASS/EXTERNAL PROTECTIVE COATING/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS
LEAK MONITORING: MECHANICAL LINE LEAK DETECTOR/VISUAL INSPECTION OF ASTS/STATISTICAL INVENTORY RECONCILE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
4	12000	01-Mar-1990	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 01-Mar-2009

CONSTRUCTION TYPE: BALL CHECK VALVE/FIBERGLASS/SPILL CONTAINMENT BUCKET
PIPING TYPE: FIBERGLASS/EXTERNAL PROTECTIVE COATING/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS
LEAK MONITORING: MECHANICAL LINE LEAK DETECTOR/VISUAL INSPECTION OF ASTS/STATISTICAL INVENTORY RECONCILE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
5	20000	01-Mar-2009	Vehicular Diesel	UNDERGROUND	IN SERVICE 01-Mar-2009

CONSTRUCTION TYPE: BALL CHECK VALVE/FIBERGLASS/DOUBLE WALL/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/LEVEL GAUGES/ALARMS
PIPING TYPE: FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS
LEAK MONITORING: CONTINUOUS ELECTRONIC SENSING/ELECTRONIC MONITOR PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
6	20000	01-Mar-2009	Unleaded Gas	UNDERGROUND	IN SERVICE 01-Mar-2009

CONSTRUCTION TYPE: BALL CHECK VALVE/FIBERGLASS/DOUBLE WALL/COMPARTMENTED/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/LEVEL GAUGES/ALARMS
PIPING TYPE: FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS
LEAK MONITORING: CONTINUOUS ELECTRONIC SENSING/ELECTRONIC MONITOR PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

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FDEP SITE INVESTIGATION SECTION SITES, FDEP ERIC WASTE CLEANUP SITES, FDEP CLEANUP SITES AND FDER SITES LIST

(STCERC)

FACILITY NAME AND LOCATION:

CIRCLE K #2707451
2742 US 27 S
LAKE PLACID, FL 33852-

AGENCY SITE LAT/LON:
358810.88456019
664038.01615523

MAP ID NUMBER: 13
Dist (FEET): 126.00
Direction:
Elev (Ft): 132.51
Elev vs Sub Prop: Higher

STCERC

FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)

SITE INVESTIGATION SECTION INFO:
SITE NO:
ALT SITE NO:
DISTRICT: SD

FDER SITES LIST INFO:
SITE NO:
LEAD UNIT:
PRJ MGR:
ATTY:
SUP UNIT:
STATUS:
STATUS DATE:

CLEANUP SITES INFO:
SRC DATA ID: 8519614
SRC DATA PGM: STCM
PGM AREA: TK
CLNP CAT: PETRO
REM STATUS: ACTIVE
COMMENTS:

ERIC WASTE CLEANUP SITES INFO:
SRC FAC ID:

ERIC ID NO:
SRC FAC NAME:

SITE NAME:
SITE STATUS:

PROGRAM:
PROGRAM STATUS:
OFFSITE COMTAM KEY:

PROGRAM TYPE:
SITE PHASE DESCR:
ICR ?:

DISCHARGE DATE:

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

FACILITY ID NUMBER, NAME AND LOCATION

8519614
CIRCLE K #2707451
2742 US 27 S
LAKE PLACID, FL 33852-

FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)

OWNERSHIP INFO:

ACCOUNT OWNER
CIRCLE K STORES INC
1100 Situs Ct Attn: Ess Storage Tank R
Raleigh, NC 27606-5446
(423)400-2480
COUNTY ID: 28 HIGHLANDS
AGCY LAT/LON(DMS): 27,12,32.2269 81,19,44.7785
FAC OPERATOR: GRAHAM BIGGS
FAC TEL #: (919)774-6700

MAP ID NUMBER: 13

Dist (FEET): 126.00
Direction:
Elev (Ft): 132.51
Elev vs Sub Prop: Higher

LUST

FAC STATUS: OPEN **FAC TYPE:** A - Retail Station

SCORE 45 **SCORE EFF DT:** 4/6/2009 **RANK:** 3525 **SCORE WHEN RANKED:** 48

DISCHARGE INFORMATION

DISCHARGE DATE: 3/15/1988

Mapid: 13

INSPECTION DATE:
CLEANUP WORK STATUS: ACTIVE
CLEANUP REQUIRED R - CLEANUP REQUIRED
CLEANUP COMBINED:
INFO SOURCE: E - EDI
DISCH CLNUP STATUS: 6/4/2001 RA - RA ONGOING
CONTAMINATED MEDIA?: **SOIL:** N **SUR WATER:** N **GR WATER:** N **MON WELL:** Y **# DW WELLS CONTAMINATED:** 0
POLLUTANT : - **GALLONS** **OTHER**

CLEANUP INFORMATION

Mapid: 13

PGM ELIG OFF: PCTM1 - PETROLEUM CLEANUP TEAM 1
PGM ELIG SCORE: 45 **PGM ELIG SCORE EFF DT:** **PGM ELIG R**
ELIG STAT: ELIGIBLE **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**
DEDUCT AMT: **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:** 0
CLNUP PROG: E - EARLY DETECTION INCEN **CLNUP OFF:** PCTM1 - PETROLEUM CLEANUP TEAM 1

SITE ASSESSMENT*

CLNP RESP: RP - RESPONSIBLE PARTY
FUND ELLIG: -
ACTUAL COMPLETION DATE: 04-11-1996
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN*

CLEANUP RESP: RP - RESPONSIBLE PARTY
FUND ELLIG: -
ORDER APPRV DATE:
ACTUAL COMPL DATE: 09-07-2001
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION*

CLEANUP RESP: RP - RESPONSIBLE PARTY
FUND ELLIG: -
ACTUAL COST:
YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT*

ACTION TYPE: -
SUBMIT DATE:
REVIEW DATE:
ISSUE DATE:
COMPL STATUS: -
COMPL STATUS DT:
COMMENTS:

SOURCE REMOVAL*

CLEANUP RESP: RP - RESPONSIBLE PARTY
FUND ELLIG: -
ACTUAL COMPLETION DATE: 08-07-1997
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL? (Y/N): Y
SOIL TONNAGE REMOVED: 67
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?: 1/16/09 165.27 TONS
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

DISCHARGE INFORMATION

Mapid: 13

DISCHARGE DATE: 11/11/1996

INSPECTION DATE:

CLEANUP WORK STATUS: ACTIVE

CLEANUP REQUIRED C - COMBINED CLEANUP REQUIRED **CLEANUP COMBINED:**3/15/1988

INFO SOURCE: D - DISCHARGE NOTIFICATION

DISCH CLNUP STATUS: 6/22/2018 SA - SA ONGOING

CONTAMINATED MEDIA?: **SOIL:** **SUR WATER:** **GR WATER:** **MON WELL:** **# DW WELLS CONTAMINATED:**

POLLUTANT : D - Vehicular Diesel **GALLONS** **OTHER**

CLEANUP INFORMATION

Mapid: 13

PGM ELIG OFF: PCTM1 - PETROLEUM CLEANUP TEAM 1

PGM ELIG SCORE: 45 **PGM ELIG SCORE EFF DT:** **PGM ELIG R**

ELIG STAT: NOT ELIGIBLE **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**

DEDUCT AMT: **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:** 0

CLNUP PROG: O - OTHER **CLNUP OFF:** PCTM1 - PETROLEUM CLEANUP TEAM 1

SITE ASSESSMENT*

CLNP RESP: -
FUND ELLIG: -
ACTUAL COMPLETION DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN*

CLEANUP RESP: -
FUND ELLIG: -
ORDER APPRV DATE:
ACTUAL COMPL DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION*

CLEANUP RESP: -
FUND ELLIG: -
ACTUAL COST:
YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT*

ACTION TYPE: -
SUBMIT DATE:
REVIEW DATE:
ISSUE DATE:
COMPL STATUS: -
COMPL STATUS DT:
COMMENTS:

SOURCE REMOVAL*

CLEANUP RESP: -
FUND ELLIG: -
ACTUAL COMPLETION DATE:
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL? (Y/N):
SOIL TONNAGE REMOVED:
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?:
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

*** Data current as of November 2019**

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

DISCHARGE INFORMATION

Mapid: 13

DISCHARGE DATE: 4/15/2008

INSPECTION DATE:

CLEANUP WORK STATUS: ACTIVE

CLEANUP REQUIRED R - CLEANUP REQUIRED

CLEANUP COMBINED:

INFO SOURCE: D - DISCHARGE NOTIFICATION

DISCH CLNUP STATUS: 5/16/2012 RA - RA ONGOING

CONTAMINATED MEDIA?: **SOIL:** Y **SUR WATER:** N **GR WATER:** N **MON WELL:** N **# DW WELLS CONTAMINATED:**

POLLUTANT : D - Vehicular Diesel **GALLONS** **OTHER**

CLEANUP INFORMATION

Mapid: 13

PGM ELIG OFF: PCTM1 - PETROLEUM CLEANUP TEAM 1

PGM ELIG SCORE: 45 **PGM ELIG SCORE EFF DT:** **PGM ELIG R**

ELIG STAT: NOT ELIGIBLE **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**

DEDUCT AMT: **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:** 0

CLNUP PROG: S - SITE REHABILITATION FUN **CLNUP OFF:** PCTM1 - PETROLEUM CLEANUP TEAM 1

SITE ASSESSMENT*

CLNP RESP: -
FUND ELLIG: -
ACTUAL COMPLETION DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN*

CLEANUP RESP: -
FUND ELLIG: -
ORDER APPRV DATE:
ACTUAL COMPL DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION*

CLEANUP RESP: -
FUND ELLIG: -
ACTUAL COST:
YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT*

ACTION TYPE: -
SUBMIT DATE:
REVIEW DATE:
ISSUE DATE:
COMPL STATUS: -
COMPL STATUS DT:
COMMENTS:

SOURCE REMOVAL*

CLEANUP RESP: -
FUND ELLIG: -
ACTUAL COMPLETION DATE: 01-14-2009
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL? (Y/N): Y
SOIL TONNAGE REMOVED: 4
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?:
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION

8519614
CIRCLE K #2707451
2742 US 27 S
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

CIRCLE K STORES INC
1100 Situs Ct Attn: Ess Storage
Raleigh, NC 27606
CONTACT TEL #: 4234002480
CONTACT: CIRCLE K STORES INC
FACILTY TEL #: 9197746700
COUNTY ID: 28 HIGHLANDS

MAP ID NUMBER: 13
Dist (FEET): 126.00
Direction:
Elev (Ft): 132.51
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Retail Station

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	10152	01-Oct-1982	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 29-Jan-2009

CONSTRUCTION TYPE: STEEL/IMPRESSED CURRENT CP/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL
PIPING TYPE:
LEAK MONITORING: MECHANICAL LINE LEAK DETECTOR/STATISTICAL INVENTORY RECONCILE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	10152	01-Oct-1982	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 29-Jan-2009

CONSTRUCTION TYPE: STEEL/IMPRESSED CURRENT CP/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL
PIPING TYPE:
LEAK MONITORING: MECHANICAL LINE LEAK DETECTOR/STATISTICAL INVENTORY RECONCILE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
3	10152	01-Oct-1982	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 29-Jan-2009

CONSTRUCTION TYPE: STEEL/IMPRESSED CURRENT CP/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL
PIPING TYPE:
LEAK MONITORING: MECHANICAL LINE LEAK DETECTOR/STATISTICAL INVENTORY RECONCILE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
4	12032	01-Oct-1982	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 29-Jan-2009

CONSTRUCTION TYPE: STEEL/IMPRESSED CURRENT CP/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL
PIPING TYPE:
LEAK MONITORING: MECHANICAL LINE LEAK DETECTOR/STATISTICAL INVENTORY RECONCILE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
5	12032	01-Oct-1982	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 29-Jan-2009

CONSTRUCTION TYPE: STEEL/IMPRESSED CURRENT CP/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL
PIPING TYPE:
LEAK MONITORING: MECHANICAL LINE LEAK DETECTOR/STATISTICAL INVENTORY RECONCILE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
6	22000	01-Jan-2009	Unleaded Gas	UNDERGROUND	IN SERVICE 01-Feb-2009

CONSTRUCTION TYPE: FIBERGLASS-CLAD STEEL/COMPARTMENTED/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/DOUBLE WALL-TANK JACKET
PIPING TYPE: DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS/APPROVED SYNTHETIC MATERIAL
LEAK MONITORING: CONTINUOUS ELECTRONIC SENSING/VISUAL INSPECT PIPE SUMPS/ELECTRONIC MONITOR PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
7	22000	01-Jan-2009	Vehicular Diesel	UNDERGROUND	IN SERVICE 01-Feb-2009

CONSTRUCTION TYPE: FIBERGLASS-CLAD STEEL/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/DOUBLE WALL-TANK JACKET

PIPING TYPE: DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS/APPROVED SYNTHETIC MATERIAL

LEAK MONITORING: CONTINUOUS ELECTRONIC SENSING/VISUAL INSPECT PIPE SUMPS/ELECTRONIC MONITOR PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

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FDEP STORAGE TANKS REPORT

Report Date: 7/8/2025

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

9818541
CIRCLE K #2706993
15041 HWY 27
LAKE WALES, FL 33859

OWNERSHIP INFORMATION

CIRCLE K STORES INC
1100 Situs Ct Attn: Ess Storage
Raleigh, NC 27606
CONTACT: IRA LEWIS/4234002480

SITE COUNTY: 53 POLK
SITE LAT/LON (AGCY): /

MAP ID NUMBER: 13
Dist (FEET): 126.00
Direction:
Elev (Ft): 132.51
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Retail Station

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	20000	20-May-2021	Unleaded Gas	UNDERGROUND	OUT OF SERVICE 20-May-2021

CONSTRUCTION TYPE: EIMNO — FIBERGLASS/DOUBLE WALL/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL
PIPING TYPE: CFJK — FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS
LEAK MONITORING: 1234FGK — CONTINUOUS ELECTRONIC SENSING/VISUAL INSPECT PIPE SUMPS/ELECTRONIC MONITOR PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/ELECTRONIC LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	20000	20-May-2021	Unleaded Gas	UNDERGROUND	OUT OF SERVICE 20-May-2021

CONSTRUCTION TYPE: EILMNO — FIBERGLASS/DOUBLE WALL/COMPARTMENTED/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL
PIPING TYPE: CFJK — FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS
LEAK MONITORING: 1234FGK — CONTINUOUS ELECTRONIC SENSING/VISUAL INSPECT PIPE SUMPS/ELECTRONIC MONITOR PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/ELECTRONIC LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
3	20000	20-May-2021	Vehicular Diesel	UNDERGROUND	OUT OF SERVICE 20-May-2021

CONSTRUCTION TYPE: EIMNO — FIBERGLASS/DOUBLE WALL/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL
PIPING TYPE: CFJK — FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS
LEAK MONITORING: 1234FGK — CONTINUOUS ELECTRONIC SENSING/VISUAL INSPECT PIPE SUMPS/ELECTRONIC MONITOR PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/ELECTRONIC LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
4	8000	20-May-2021	Vehicular Diesel	UNDERGROUND	OUT OF SERVICE 20-May-2021

CONSTRUCTION TYPE: EIMNO — FIBERGLASS/DOUBLE WALL/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL
PIPING TYPE: CFJK — FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS
LEAK MONITORING: 1234FGK — CONTINUOUS ELECTRONIC SENSING/VISUAL INSPECT PIPE SUMPS/ELECTRONIC MONITOR PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/ELECTRONIC LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

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FDEP STORAGE TANKS REPORT

Report Date: 7/8/2025

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8733682
LAKE PLACID CARETAKERS INC
HWY 27 S OF HWY 70
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

GRIFFIN, K C
109 HUNTLEY DR
LAKE PLACID, FL 33852
CONTACT: GILLIE C.RUSSELL/8134652821
SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 20 / 81 19 42

MAP ID NUMBER: 14

Dist (FEET): 297.00
Direction:
Elev (Ft): 101.47
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	500		Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 30-Sep-1988

CONSTRUCTION TYPE: D UNKNOWN
PIPING TYPE:
LEAK MONITORING: Y UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1R1	500	01-Sep-1988	Generator/Pump Diesel	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: CW STEEL/BUILT ON SUPPORTS
PIPING TYPE:
LEAK MONITORING: I NOT REQUIRED

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ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research

Proximal Site Summary Table

This table includes mapped sites whose plotted coordinates fall just outside of the ASTM or client defined research distance but whose property boundaries may still extend into the search area. These sites are typically large commercial or industrial tracts that may merit inclusion in the evaluation process. Detail data reports on any of these sites may be requested and will be sent as an addendum to this report at no additional cost.

MapID / Prgm List	Fac ID No	Site Dist (ft)	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
1A						
TANKS	8944354	774	140.83	Higher	GRIFFIN TREES INC	PLACID PARKLAND SR 70 W LAKE PLACID, FL 33852
2A						
TANKS	9102354	544	122.05	Higher	LAKE PLACID GROVES-LAKE ANNIE BLOCK	HWY 70 W LAKE PLACID, FL 33852
3A						
NFRAP	FLD070080924	651	133.51	Higher	DOUGLASS FERTILIZER & CHEMICAL	JCT US 27 & SR 70 LAKE PLACID, FL 33852
TANKS	8732475.	651	133.51	Higher	DOUGLASS FERTILIZER & CHEMICAL INC	200 HWY 70 W LAKE PLACID, FL 33852
4A						
TANKS	8519993	752	130.70	Higher	REYNOLDS FARMS INC	1/4 MI S OF US 27/70 INTERSECT. LAKE PLACID, FL 33852
5A						
TANKS	8842476	937	49.20	Higher	KELLY BULB FARM	125 K W FARMS RD LAKE PLACID, FL 33852
TANKS	8943012	937	49.20	Higher	K-W FARMS	USE 8842476 LAKE PLACID, FL 33852

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FDEP STORAGE TANKS REPORT

Report Date: 3/5/2026

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8944354
GRIFFIN TREES INC
PLACID PARKLAND SR 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

GRIFFIN, STEVE
417 E INTERLAKE BLVD
LAKE PLACID, FL 33852
CONTACT: STEVE GRIFFIN/8634657702
SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 24 / 81 23 26

MAP ID NUMBER: 1
Dist (Miles):
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop:

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: CLOSED **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	4000	01-Jun-1989	Vehicular Diesel	ABOVEGROUND	REMOVED FROM SITE 01-Apr-1997

CONSTRUCTION TYPE: CK STEEL/AST CONTAINMENT
PIPING TYPE:
LEAK MONITORING: I NOT REQUIRED

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	2000	01-Jun-1989	Unleaded Gas	ABOVEGROUND	REMOVED FROM SITE 01-Jun-2002

CONSTRUCTION TYPE: CK STEEL/AST CONTAINMENT
PIPING TYPE:
LEAK MONITORING: Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
3	4000	01-Jun-1989	Vehicular Diesel	ABOVEGROUND	REMOVED FROM SITE 01-Apr-1997

CONSTRUCTION TYPE: CK STEEL/AST CONTAINMENT
PIPING TYPE:
LEAK MONITORING: I NOT REQUIRED

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FDEP STORAGE TANKS REPORT

FACILITY ID NUMBER, NAME AND LOCATION

9102354
LAKE PLACID GROVES-LAKE ANNIE BLOCK
HWY 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

PAI LAKE PLACID GROVES LLC
201 S ORANGE AVE, SU#795
ORLANDO, FL 32801
CONTACT: ED LASSITER/4076499601

SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 24 / 81 21 42

MAP ID NUMBER: 2
Dist (Miles):
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop:

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	3000	01-Jul-1986	Generator/Pump Diesel	ABOVEGROUND	REMOVED FROM SITE 01-Dec-2007

CONSTRUCTION TYPE: CKP — STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE: FN — DOUBLE WALL/APPROVED SYNTHETIC MATERIAL
LEAK MONITORING: 2KQ — VISUAL INSPECT PIPE SUMPS/MONITOR DBL WALL PIPE SPACE/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1R1	500	01-Dec-2007	Generator/Pump Diesel	ABOVEGROUND	IN SERVICE 01-Dec-2007

CONSTRUCTION TYPE:
PIPING TYPE:
LEAK MONITORING:

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FDEP STORAGE TANKS REPORT

Report Date: 3/5/2026

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8732475. **--HISTORICAL ENTRY--**
DOUGLASS FERTILIZER & CHEMICAL INC
200 HWY 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

DOUGLASS FERTILIZER & CHEM
1180 SPRING CENTRE SOUTH BLVD #
ALTAMONTE SPRING, FL 32714
CONTACT: JOSEPH D HODGES/(407) 682-6100

SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): /

MAP ID NUMBER: 3
Dist (Miles):
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop:

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Fuel user/Non-retail

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)

CONSTRUCTION TYPE:
PIPING TYPE:
LEAK MONITORING:

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USEPA NO FURTHER REMEDIAL ACTION PLANNED LIST

(NFRAP)

FACILITY ID NUMBER, NAME AND LOCATION:

FLD070080924 **--HISTORICAL ENTRY--**
DOUGLASS FERTILIZER & CHEMICAL
JCT US 27 & SR 70
LAKE PLACID, FL 33852

MAP ID NUMBER: 3
Dist (Miles):
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop:

NFRAP

NPL DESCRIPTION: NOT ON THE NPL
NON NPL STATUS: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS EVENT DETAIL FOR EACH OPERABLE UNIT

OPERABLE UNIT ID #: 00 **OPERABLE UNIT NAME:**

EVENT NAME: DISCOVERY
START DATE:
COMPLETION DATE: 2/1/1985
EVENT LEAD: EPA Fund
EVENT QUALIFIER:

EVENT NAME: PRELIMINARY ASSESSMENT
START DATE:
COMPLETION DATE: 4/3/1986
EVENT LEAD: State (Fund)
EVENT QUALIFIER: Low priority

EVENT NAME: SITE INSPECTION
START DATE:
COMPLETION DATE: 1/15/1991
EVENT LEAD: State (Fund)
EVENT QUALIFIER: Low priority

EVENT NAME: SITE REASSESSMENT
START DATE:
COMPLETION DATE: 7/31/2003
EVENT LEAD: EPA Fund
EVENT QUALIFIER: NFRAP

ADDITIONAL EPA COMMENTS FOR THIS FACILITY:

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FDEP STORAGE TANKS REPORT

FACILITY ID NUMBER, NAME AND LOCATION

8519993
REYNOLDS FARMS INC
1/4 MI S OF US 27/70 INTERSECT.
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

REYNOLDS FARMS INC
521 LAKE FRANCIS RD
LAKE PLACID, FL 33852
CONTACT: CHARLES REYNOLDS/8634654745

SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 16 / 81 19 37

MAP ID NUMBER: 4
Dist (Miles):
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop:

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
6	2000	01-Jan-1984	Generator/Pump Diesel	UNDERGROUND	REMOVED FROM SITE 31-Oct-1991

CONSTRUCTION TYPE: C STEEL
PIPING TYPE:
LEAK MONITORING: Y UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
7	1000	01-Oct-1991	Generator/Pump Diesel	ABOVEGROUND	REMOVED FROM SITE 18-Aug-1999

CONSTRUCTION TYPE: CK STEEL/AST CONTAINMENT
PIPING TYPE:
LEAK MONITORING: Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
8	550	01-Aug-1999	Generator/Pump Diesel	ABOVEGROUND	IN SERVICE 01-Aug-1999

CONSTRUCTION TYPE: CK STEEL/AST CONTAINMENT
PIPING TYPE:
LEAK MONITORING: I NOT REQUIRED

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FDEP STORAGE TANKS REPORT

FACILITY ID NUMBER, NAME AND LOCATION

8842476
KELLY BULB FARM
125 K W FARMS RD
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

KELLY BULB FARM
RR 3 BOX 689
LAKE PLACID, FL 33852
CONTACT: /8634652416

SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 27 / 81 17 36

MAP ID NUMBER: 5

Dist (Miles):
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop:

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: CLOSED **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	550		Vehicular Diesel	ABOVEGROUND	REMOVED FROM SITE

CONSTRUCTION TYPE: D UNKNOWN
PIPING TYPE:
LEAK MONITORING: Y UNKNOWN

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FDEP STORAGE TANKS REPORT

Report Date: 3/5/2026

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8943012
K-W FARMS
USE 8842476
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

K W FARMS
PO BOX 845
LAKE PLACID, FL 33852
CONTACT: D.C. KELLEY/8134652416

SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 28 / 81 17 37

MAP ID NUMBER: 5
Dist (Miles):
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop:

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: CLOSED **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	1000	01-Mar-1981	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 30-Jun-1988

CONSTRUCTION TYPE: C STEEL
PIPING TYPE:
LEAK MONITORING: Y UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	1000	01-Jan-1982	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 30-Jun-1988

CONSTRUCTION TYPE: C STEEL
PIPING TYPE:
LEAK MONITORING: Y UNKNOWN

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ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research

Non-Mapped Records Summary Table

This table is a listing of database records that have not been plotted within our mapping system. Detail data reports on any of these sites may be requested and will be sent as an addendum to this report at no additional cost.

Prgm List / Fac ID No	Site Name	Site Address
CERCLIS		
FLN000407534	LAKE PLACID DRUM SPILL	LAKE PLACID, FL
NFRAP		
FLN000407534	LAKE PLACID DRUM SPILL	LAKE PLACID, FL
SEMSACTV		
FLN000407534	LAKE PLACID DRUM SPILL	Postal Address is unavailable for the Site LAKE PLACID, FL

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Agency List Descriptions

USEPA and State Databases are updated on a quarterly basis. Supplemental Databases are updated on an annual basis.

Florida Department of Environmental Protection (FDEP)

State Designated Brownfields(BRWNFLDS)

The FDEP Brownfields database contains a listing of State Designated Brownfield Areas and Brownfield Sites. Brownfields are typically defined as abandoned, idled or underused industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Agency File Date: 4/8/2025 **Received by EDM:** 6/10/2025 **EDM Database Updated:** 6/10/2025

Dry Cleaners List(DRY)

The FDEP Dry Cleaning Facilities List is comprised of data from the FDEP Storage Tank and Contamination Monitoring (STCM) database and the Drycleaning Solvent Cleanup Program- Priority Ranking List. It contains a listing of those Dry Cleaning sites (and suspected historical Dry Cleaning sites) who have registered with the FDEP and/or have applied for the Dry Cleaning Solvent Cleanup Program.

Agency File Date: 6/9/2025 **Received by EDM:** 6/9/2025 **EDM Database Updated:** 6/9/2025

Institutional and/or Engineering Controls(INSTENG)

The FDEP Institutional Controls Registry Database (INSTENG) contains sites that have had Institutional and/or Engineering Controls implemented to regulate exposure to environmental hazards

Agency File Date: 4/9/2025 **Received by EDM:** 6/9/2025 **EDM Database Updated:** 6/9/2025

Leaking Underground Storage Tanks List(LUST)

The FDEP LUST list identifies facilities and/or locations that have notified the FDEP of a possible release of contaminants from petroleum storage systems. This Report is generated from the FDEP Storage Tank and Contamination Monitoring Database (STCM).

Agency File Date: 6/9/2025 **Received by EDM:** 6/9/2025 **EDM Database Updated:** 6/9/2025

Solid Waste Facilities List_Landfills(SLDWST_LF)

The SLDWST_LF list identifies locations that have conducted solid waste landfill activities as determined by the applicable FDEP Facility Classifications. Sites listed with "##" after the Facility ID Number are historical locations, obtained from documents on record at local agencies.

Agency File Date: 3/7/2025 **Received by EDM:** 3/7/2025 **EDM Database Updated:** 3/10/2025

Solid Waste Facilities List_Non-Landfills(SLDWST_NLF)

The SLDWST_NLF list identifies locations that have conducted solid waste handling activities other than landfilling, as determined by the applicable FDEP Facility Classifications, such as Transfer Stations, Disaster Debris Staging Areas and sites handling Bio-Hazardous wastes. Sites listed with "##" after the Facility ID Number are historical locations, obtained from documents on record at local agencies.

Agency File Date: 3/7/2025 **Received by EDM:** 3/7/2025 **EDM Database Updated:** 3/10/2025

State CERCLIS/SEMS Equivalent(STCERC)

The STCERC list is compiled from the FDEP Site Investigation Section list, the Florida SITES list(historical) and the FDEP Cleanup Sites list. These sites are being assessed and/or cleaned up as a result of identified or suspected contamination from the release of hazardous substances. The FDEP Cleanup Sites list programs include: Brownfields, Petroleum, EPA Superfund (CERCLA), Drycleaning, Responsible Party Cleanup, State Funded Cleanup, State Owned Lands Cleanup and Hazardous Waste Cleanup.

Agency File Date: 6/7/2025 **Received by EDM:** 6/9/2025 **EDM Database Updated:** 6/10/2025

State NPL Equivalent(STNPL)

The FDEP State Funded Cleanup list contains facilities and/or locations where there are no viable responsible parties; the site poses an imminent hazard; and the site does not qualify for Superfund or is a low priority for EPA. Remedial efforts at these sites are currently being addressed through State funded cleanup action.

Agency File Date: 6/1/2025 **Received by EDM:** 6/10/2025 **EDM Database Updated:** 6/10/2025

ERIC PFAS Sites(STPFAS)

The FDEP ERIC PFAS Sites list contains sites that are being investigated to determine potential sources and environmental impacts related to per- and polyfluoroalkyl substances (PFAS).

Agency File Date: 5/2/2025 **Received by EDM:** 6/10/2025 **EDM Database Updated:** 6/10/2025

Underground/Aboveground Storage Tanks(TANKS)

The FDEP TANKS list contains sites with registered aboveground and underground storage tanks containing regulated petroleum products.

Agency File Date: 6/20/2025 **Received by EDM:** 6/20/2025 **EDM Database Updated:** 6/20/2025

Voluntary Cleanup List(VOLCLNUP)

The VOLCLNUP List is derived from the FDEP Brownfields Site Rehabilitation Agreement (BSRA) database, the FDEP ERIC Waste Cleanup database and the FDEP Office of Waste Cleanup Responsible Party Sites database (not available as of June 2021). The VOLCLNUP List identifies sites that have signed an agreement to Voluntarily cleanup a site and/or sites where legal responsibility for site rehabilitation exists pursuant to Florida Statutes and is being conducted either voluntarily or pursuant to enforcement activity.

Agency File Date: 4/29/2025 **Received by EDM:** 4/29/2025 **EDM Database Updated:** 4/30/2025

United States Environmental Protection Agency (EPA)

Comp Env Resp, Compensation & Liability Info Sys List(CERCLIS)

The US EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database tracks potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are proposed to be on the NPL, are on the NPL and sites that are in the screening and assessment phase for possible inclusion on the NPL. The CERCLIS database was retired in November of 2013 and has been replaced by the Superfund Enterprise Management System (SEMS).

Agency File Date: 11/12/2013 **Received by EDM:** 2/18/2016 **EDM Database Updated:** 2/18/2016

RCRIS Handlers with Corrective Action(CORRACTS)

The US EPA Corrective Action Sites (CORRACTS) database is a listing of hazardous waste handlers that have undergone RCRA corrective action activity.

Agency File Date: 6/16/2025 **Received by EDM:** 6/20/2025 **EDM Database Updated:** 6/20/2025

Archived Cerclis Sites(NFRAP)

The US EPA NFRAP list contains archived data of CERCLIS records where the EPA has completed assessment activities and determined that no further steps to list the site on the NPL will be taken. NFRAP sites may be reviewed in the future to determine if they should be returned to CERCLIS based upon newly identified contamination problems at the site. The NFRAP database was retired in November of 2013 and has been replaced by the Superfund Enterprise Management System (SEMS) .

Agency File Date: 10/25/2013 **Received by EDM:** 2/18/2016 **EDM Database Updated:** 2/18/2016

National Priorities List(NPL)

The US EPA National Priorities List (NPL) contains facilities and/or locations where environmental contamination has been confirmed and prioritized for cleanup activities under the Superfund Program. EDM's NPL Report includes sites that are currently on the NPL as well as sites that have been Proposed, Withdrawn and/or Deleted from the list. Previously, information for the NPL was managed under the CERLIS data management system. In 2014 this system was replaced with the Superfund Enterprise Management System (SEMS). EPA last updated CERCLIS in November of 2013. EDM's NPL Report contains available SEMS data and the archived CERCLIS data relative to NPL sites.

Agency File Date: 4/21/2025 **Received by EDM:** 4/29/2025 **EDM Database Updated:** 4/25/2025

NPL Liens List(NPLLIENS)

The US EPA NPL Liens List identifies those sites where under authority granted by CERCLA, liens have been filed against real property in order to recover expenditures from remedial action or when the property owner receives a notice of potential liability.

Agency File Date: 4/21/2025 **Received by EDM:** 4/29/2025 **EDM Database Updated:** 4/25/2025

SEMS Active Site Inventory List(SEMSACTV)

The US EPA Superfund Enterprise Management System (SEMS) tracks potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. The SEMSACTV list contains sites that are on the National Priorities List (NPL) as well as sites that are prosposed for or in the screening and assessment phase for possible inclusion on the NPL. SEMS has replaced the CERCLIS database, which was retired in November of 2013.

Agency File Date: 5/30/2025 **Received by EDM:** 6/20/2025 **EDM Database Updated:** 6/20/2025

SEMS Archived Site Inventory List(SEMSARCH)

The US EPA Superfund Enterprise Management System (SEMS), contains archived data of CERCLIS or SEMS records where the EPA has completed assessment activities and determined that no further steps to list the site on the NPL will be taken. These sites may be reviewed in the future to determine if they should be returned to SEMS based upon newly identified contamination problems at the site. SEMS has replaced the CERCLIS database, which was retired in November of 2013. The SEMSARCH database contains these newly archived records under the SEMS database management system.

Agency File Date: 5/30/2025 **Received by EDM:** 6/20/2025 **EDM Database Updated:** 6/20/2025

Tribal Lust List(TRIBLLUST)

EDM's Tribal LUST list is derived from the USEPA Region IV Tribal Tanks database by extracting those sites with indicators of past and/or current releases.

Agency File Date: 2/24/2010 **Received by EDM:** 3/9/2010 **EDM Database Updated:** 3/9/2010

Tribal Tanks List(TRIBLTANKS)

The USEPA Region IV Tribal Tanks database lists Active and Closed storage tank facilities on Native American lands.

Agency File Date: 2/24/2010 **Received by EDM:** 3/9/2010 **EDM Database Updated:** 3/9/2010

Brownfields Management System(USBRWNFLDS)

The US EPA Brownfields program provides information on environmentally distressed properties that have received Grants or Targeted funding for cleanup and redevelopment . Tribal Brownfield sites are included in the USBRWNFLDS database.

Agency File Date: 5/1/2025 **Received by EDM:** 5/1/2025 **EDM Database Updated:** 6/9/2025

Institutional and/or Engineering Controls(USINSTENG)

The USINSTENG list is compiled from data elements contained in the NPL, CORRACTS, USBRWNFLDS and RCRAInfo databases.

Agency File Date: 6/10/2025 **Received by EDM:** 6/10/2025 **EDM Database Updated:** 6/10/2025

Environmental Impact Areas

Brownfield Areas and Sites

The FDEP Brownfields database contains a listing of State Designated Brownfield Areas and Brownfield Sites. Brownfields are typically defined as abandoned, idled or underused industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Agency File Date: 4/8/2025 **Received by EDM:** 6/10/2025 **EDM Database Updated:** 6/10/2025

https://floridadep.gov/waste/waste-cleanup/content/brownfields-program

Cattle Dipping Vats

From the 1910's through the 1950's, vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. Other pesticides such as DDT where also widely used. By State law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Under certain circumstances, the arsenic and other pesticides remaining at the site may present an environmental or public health hazard.

Some of the sites have been located and are currently under investigation. However, most of the listings are from old records of the State Livestock Board, which listed each vat as it was put into operation. In addition, some privately operated vats may have existed which were not listed by the Livestock Board. EDM's Cattle Dipping Vat sites are retrieved from the Voluntary Cleanup and STCERC datablases. For additional information on Cattle Dipping Vats visit the FDEP and FDOH websites at:

Agency File Date: 10/31/2018 **Received by EDM:** 1/25/2019 **EDM Database Updated:** 1/25/2019

https://floridadep.gov/waste/district-business-support/content/cattle-dipping-vats-cdv

http://www.floridahealth.gov/environmental-health/drinking-water/cattledipvathome.html

Formerly Used Defense Sites

The DoD is responsible for the environmental restoration of properties that were formerly owned by, leased to or otherwise possessed by the United States and operated under the jurisdiction of the Secretary of Defense prior to October 1986. Such properties are known as Formerly Used Defense Sites (FUDS). The Army is the executive agent for the program and the U.S. Army Corps of Engineers manages and directs the program's administration. For more information on the FUDS Program, including maps and data on individual sites, visit the Army Corps of Engineers website at:

Agency File Date: 5/29/2018 **Received by EDM:** 1/25/2019 **EDM Database Updated:** 1/25/2019

http://www.usace.army.mil/Missions/Environmental/Formerly-Used-Defense-Sites/

FUDS Munitions Response Sites

The DoD developed the Military Munitions Response Program (MMRP) in 2001 to addresses munitions-related concerns, including explosive safety, environmental, and health hazards from releases of unexploded ordnance (UXO), discarded military munitions (DDM), and munitions constituents (MC) found at locations, other than operational ranges, on active and Base Realignment and Closure (BRAC) installations and Formerly Used Defense Sites (FUDS) properties. The MMRP addresses non-operational range lands with suspected or known hazards from munitions and explosives of concern (MEC) which occurred prior to September 2002, but are not already included with an Installation Response Program (IRP) site cleanup activity. For more information on the FUDS MMRP Program, including maps and data on individual sites, visit the Army Corps of Engineers website at:

Agency File Date: 5/14/2018 **Received by EDM:** 1/25/2019 **EDM Database Updated:** 1/25/2019

http://www.asaie.army.mil/Public/ESOH/mmrp.html

Groundwater Contamination Areas

The Ground Water Contamination Areas GIS layer is a statewide map showing the boundaries of delineated areas of known groundwater contamination pursuant to Chapter 62-524, F.A.C., New Potable Water Well Permitting In Delineated Areas. 38 Florida counties have been delineated primarily for the agricultural pesticide ethylene dibromide (EDB), and to a much lesser extent, volatile organic and petroleum contaminants. This GIS layer represents approximately 427,897 acres in 38 counties in Florida that have been delineated for groundwater contamination. However, it does not represent all known sources of groundwater contamination for the state of Florida.

This information is intended to be used by regulatory agencies issuing potable water well construction permits in areas of ground water contamination to protect public health and the ground water resource. 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.

Agency File Date: 2/23/2024 **Received by EDM:** 3/1/2024 **EDM Database Updated:** 3/1/2024

https://floridadep.gov/water/source-drinking-water/content/delineated-areas

Institutional Controls

The FDEP Institutional Controls GIS layer is a statewide map showing the approximate boundaries of delineated areas where Institutional Controls are in place.

An institutional control provides for certain restrictions on a property. For example, a site may be cleaned up to satisfy commercial contamination target levels and an institutional control may be placed on that property indicating that it may only be used for commercial activities. If the owner of the property ever wanted to use that property for residential purposes, the owner would have to ensure that any contamination meets residential target levels.

The locational data for this layer is provided by the responsible party and reviewed by FDEP staff. Neither FDEP or EDM assumes respondibility for the accuracy of the boundary data.

Agency File Date: 4/9/2025 **Received by EDM:** 6/9/2025 **EDM Database Updated:** 6/9/2025

https://ca.dep.state.fl.us/mapdirect/?webmap=cff8d21797184421ab4763d3e4a01e48

National Priorities List

The US EPA National Priorities List (NPL) contains facilities and/or locations where environmental contamination has been confirmed and prioritized for cleanup activities under the Superfund Program. EDM's NPL site boundaries data include sites that are currently on the NPL as well as sites that have been Proposed, Withdrawn and/or Deleted from the list.

Agency File Date: 11/14/2018 **Received by EDM:** 12/10/2018 **EDM Database Updated:** 1/22/2019

https://www.epa.gov/superfund/search-superfund-sites-where-you-live

Solid Waste Facilities

The FDEP SLDWST list identifies locations that have been permitted to conduct solid waste handling activities.

Agency File Date: 6/3/2025 **Received by EDM:** 6/10/2025 **EDM Database Updated:** 6/10/2025

https://floridadep.gov/waste

State Funded Cleanup Sites

The FDEP State Funded Cleanup list contains facilities and/or locations where there are no viable responsible parties; the site poses an imminent hazard; and the site does not qualify for Superfund or is a low priority for EPA. Remedial efforts at these sites are currently being addressed through State funded cleanup action.

Agency File Date: 6/1/2025 **Received by EDM:** 6/10/2025 **EDM Database Updated:** 6/10/2025

https://floridadep.gov/waste/waste-cleanup/documents/state-funded-cleanup-program-site-list

Environmental Data Report

Custom Radius Research

Subject Property:

SR 70 Seg 12 & 13 Ponds

Highlands County, Florida

Prepared For:

Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Prepared By:

Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770

February 13, 2026

Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida
33770
Tel. (727) 586-1700
http://www.edm-net.com

February 13, 2026

Chris Garth
Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Subject: **Custom Radius Research - EDM Project #27537**

Dear Mr. Garth

Thank you for choosing Environmental Data Management, Inc. The following report provides the results of our environmental data research that you requested for the following location:

SR 70 Seg 12 & 13 Ponds

Highlands County, Florida

The following is a summary of the components contained within this report:

- **Executive Summary** –lists the databases that were searched for this report, the search distance criteria and the number of sites identified for each database.
- **Map of Study Area**– street map showing the location of the Subject Property and any regulatory listed sites identified within the search criteria.
- **Site Summary Table** –displays the Map ID number, Permit or Registration number, Name/Address and the Government Database(s) for the identified regulatory listed sites.
- **Detail Reports** – data detail for each database record identified.
- **Proximal Records Table** – a listing of potentially relevant sites identified just beyond the search criteria.
- **Non-Mapped Records Table** - lists those government records that do not contain sufficient address information to plot within our GIS system, but may still exist within your study area.
- **Addl Maps (where applicable)** – includes Recent Aerial Photo, USGS Topographic maps, FEMA Floodplain & NWI Wetland Map, map of statewide American Indian Lands and our Environmental Impact Areas map, showing the location of suspect sites such as NPL/STNPL, Brownfields, FUDS, etc.... Our Florida well data report is also include with the Standard and Comprehensive formats.
- **Agency List Descriptions –** defines the regulatory databases included in this report along with the dates that each database was last updated by the respective agency and EDM.

At EDM we take great pride in our work, and continually strive to provide you with the most accurate and thorough research service available. This report is only intended as a means to assist in identifying locations that may pose an environmental concern relative to the property under evaluation. Its use is not intended to replace the need for a complete environmental assessment or regulatory file review, but rather as a supplement to the overall evaluation.

Thank you again for selecting EDM as your data research provider. Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

ENVIRONMENTAL DATA MANAGEMENT, INC.

Executive Summary

Report Date: 2/13/2026

Client Information	Project Information
Tierra Inc 7351 Temple Terrace Hwy Tampa, FL 33637 Client Job No: 6511-24-002E Client P.O. No:	Custom Radius Research SR 70 Seg 12 & 13 Ponds Highlands County, Florida EDM Job No# 27537

The following table displays the databases that were included in the research provided and the number of records identified for each database. Site distance values indicated in this report are measured from the boundary of the Subject Property. The absence of records in this table and the Site Summary Tables indicates that our research found no regulated sites within the specified search distances from the Subject Property.

AGENCY DATABASES RESEARCHED	Total # Found
EPA DATABASES	
National Priorities List(NPL)	0
SEMS Active Site Inventory List(SEMSACTV)	1
Comp Env Resp, Compensation & Liability Info Sys List(CERCLIS)	1
SEMS Archived Site Inventory List(SEMSARCH)	1
Archived Cerclis Sites(NFRAP)	0
RCRIS Handlers with Corrective Action(CORRACTS)	0
Tribal Tanks List(TRIBLTANKS)	0
Tribal Lust List(TRIBLLUST)	0
Brownfields Management System(USBRWNFLDS)	0
Institutional and/or Engineering Controls(USINSTENG)	0
NPL Liens List(NPLLIENS)	0

*** Disclaimer ***
Please understand that the regulatory databases we utilize were not originally intended for our use, but rather for the source agency's internal tracking of sites for which they have jurisdiction or other interest. As a result of this difference in intended use, their data is frequently found to be incomplete or inaccurate, and is less than ideal for our use. Our report is not to be relied upon for any purpose other than to "point" at approximate locations where further evaluation may be warranted. No conclusion can be based solely upon our report. Rather, our report should be used as a first step in directing your attention at potential problem areas, which should be followed up by site inspections, interviews with relevant personnel, regulatory file review and other means as specified in the ASTM Standard E 1527-13. Readers proceed at their own risk in relying upon this data, in whole or in part, for use within any evaluation. More detailed language with regard to such limitations and our Terms and Conditions may be found on our website at edm-net.com.

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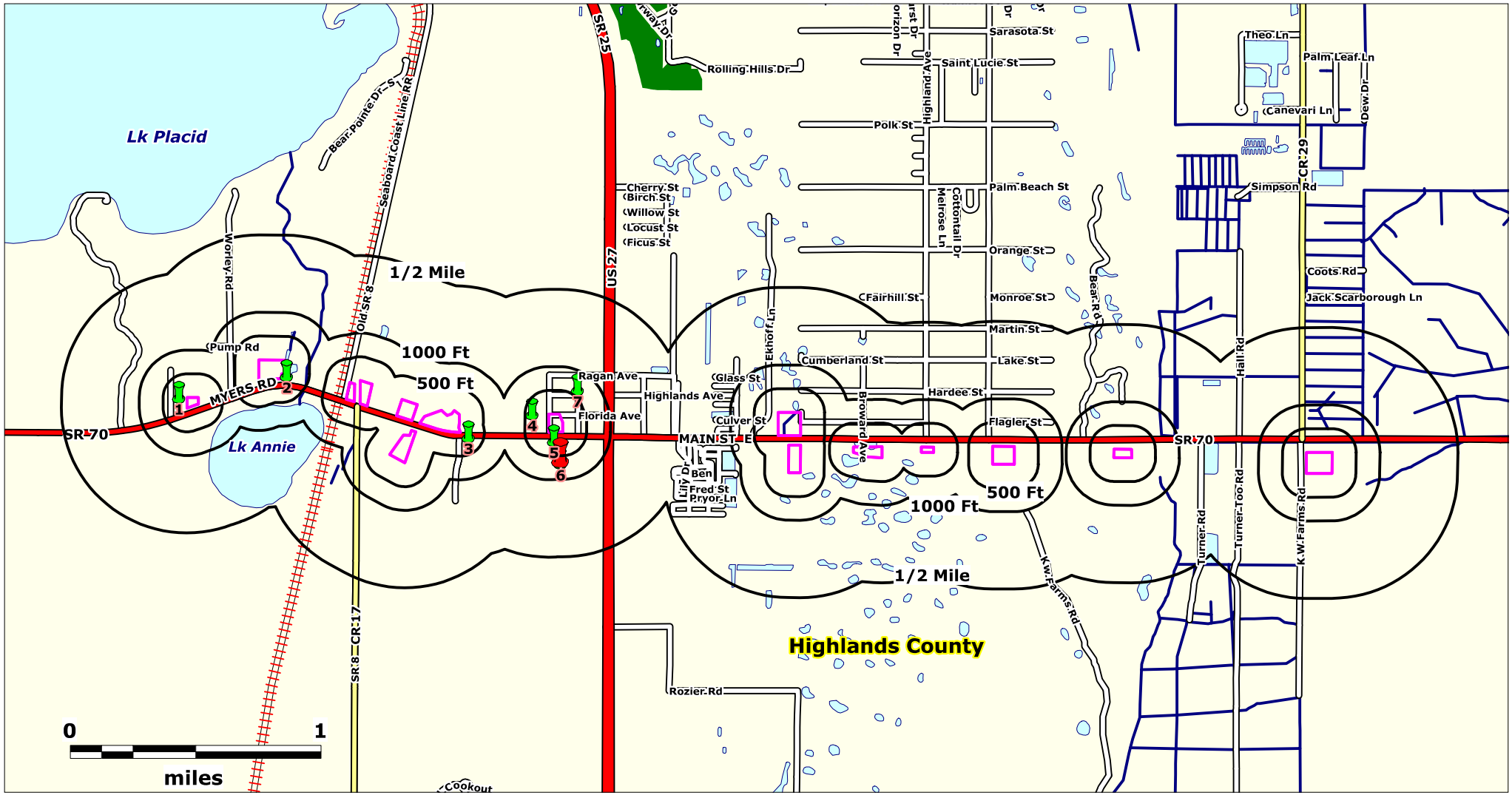
AGENCY DATABASES RESEARCHED	Total # Found
FDEP DATABASES	
State NPL Equivalent(STNPL)	0
State CERCLIS/SEMS Equivalent(STCERC)	0
Solid Waste Facilities List_Landfills(SLDWST_LF)	0
Leaking Underground Storage Tanks List(LUST)	2
Underground/Aboveground Storage Tanks(TANKS)	6
State Designated Brownfields(BRWNFLDS)	1
Voluntary Cleanup List(VOLCLNUP)	0
Institutional and/or Engineering Controls(INSTENG)	0
Dry Cleaners List(DRY)	0
Solid Waste Facilities List_Non-Landfills(SLDWST_NLF)	0
ERIC PFAS Sites(STPFAS)	0

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Please understand that the regulatory databases we utilize were not originally intended for our use, but rather for the source agency's internal tracking of sites for which they have jurisdiction or other interest. As a result of this difference in intended use, their data is frequently found to be incomplete or inaccurate, and is less than ideal for our use. Our report is not to be relied upon for any purpose other than to "point" at approximate locations where further evaluation may be warranted. No conclusion can be based solely upon our report. Rather, our report should be used as a first step in directing your attention at potential problem areas, which should be followed up by site inspections, interviews with relevant personnel, regulatory file review and other means as specified in the ASTM Standard E 1527-13. Readers proceed at their own risk in relying upon this data, in whole or in part, for use within any evaluation. More detailed language with regard to such limitations and our Terms and Conditions may be found on our website at edm-net.com.

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Custom Radius Research Report
Street Map



Source: US Census Bureau TIGER Files

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13 Ponds
Highlands County, Florida

Lat (DMS): 27 12' 32.9004"
Lon (DMS: -81 20' 27.348"

EDM Job No: 27537
February 13, 2026

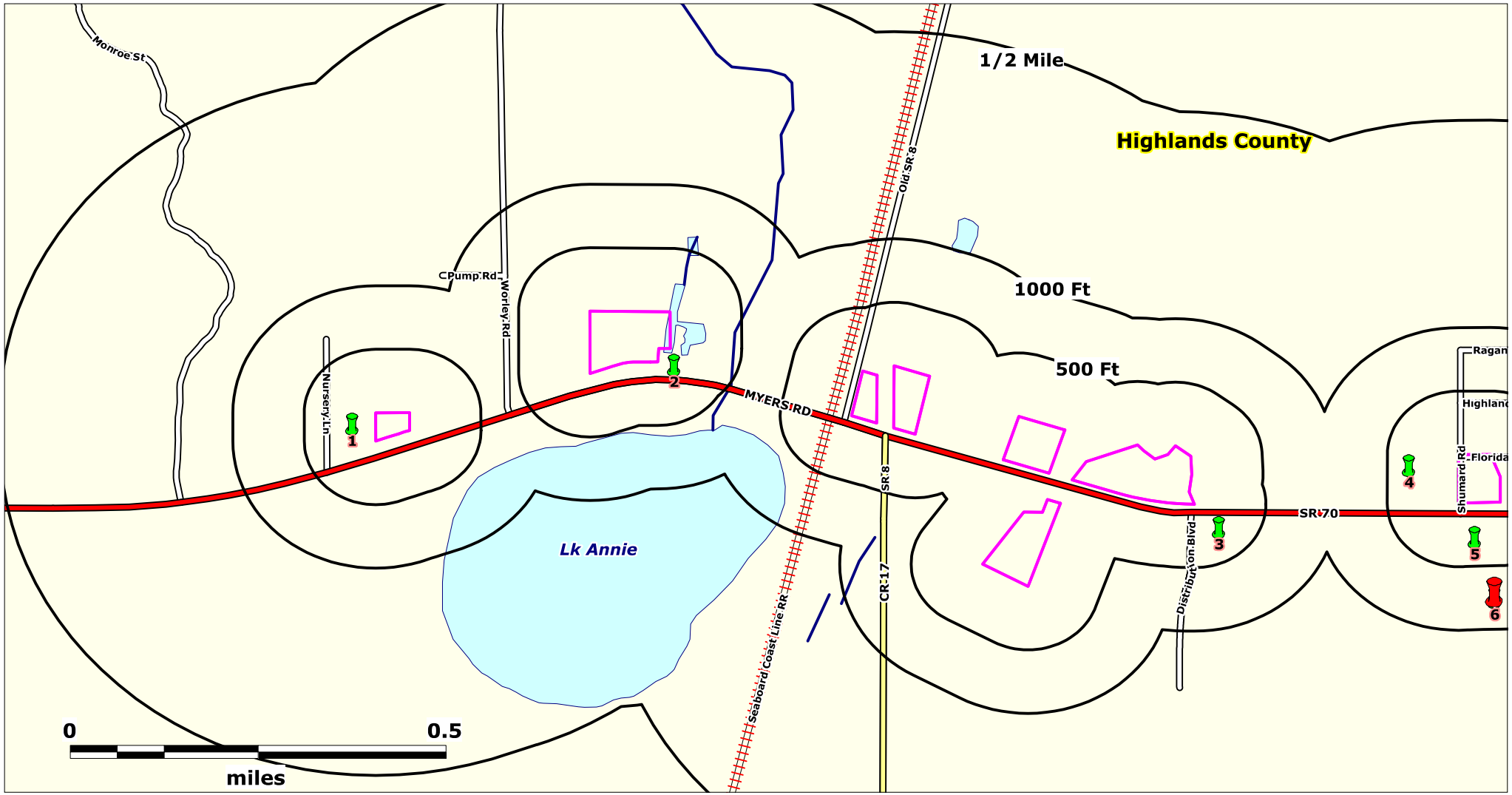
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP,STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS & INSTENG sites - 500 Feet

Custom Radius Research Report
Street Map



Source: US Census Bureau TIGER Files

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13 Ponds
Highlands County, Florida

Lat (DMS): 27 12' 32.9004"
Lon (DMS: -81 20' 27.348"

EDM Job No: 27537
February 13, 2026

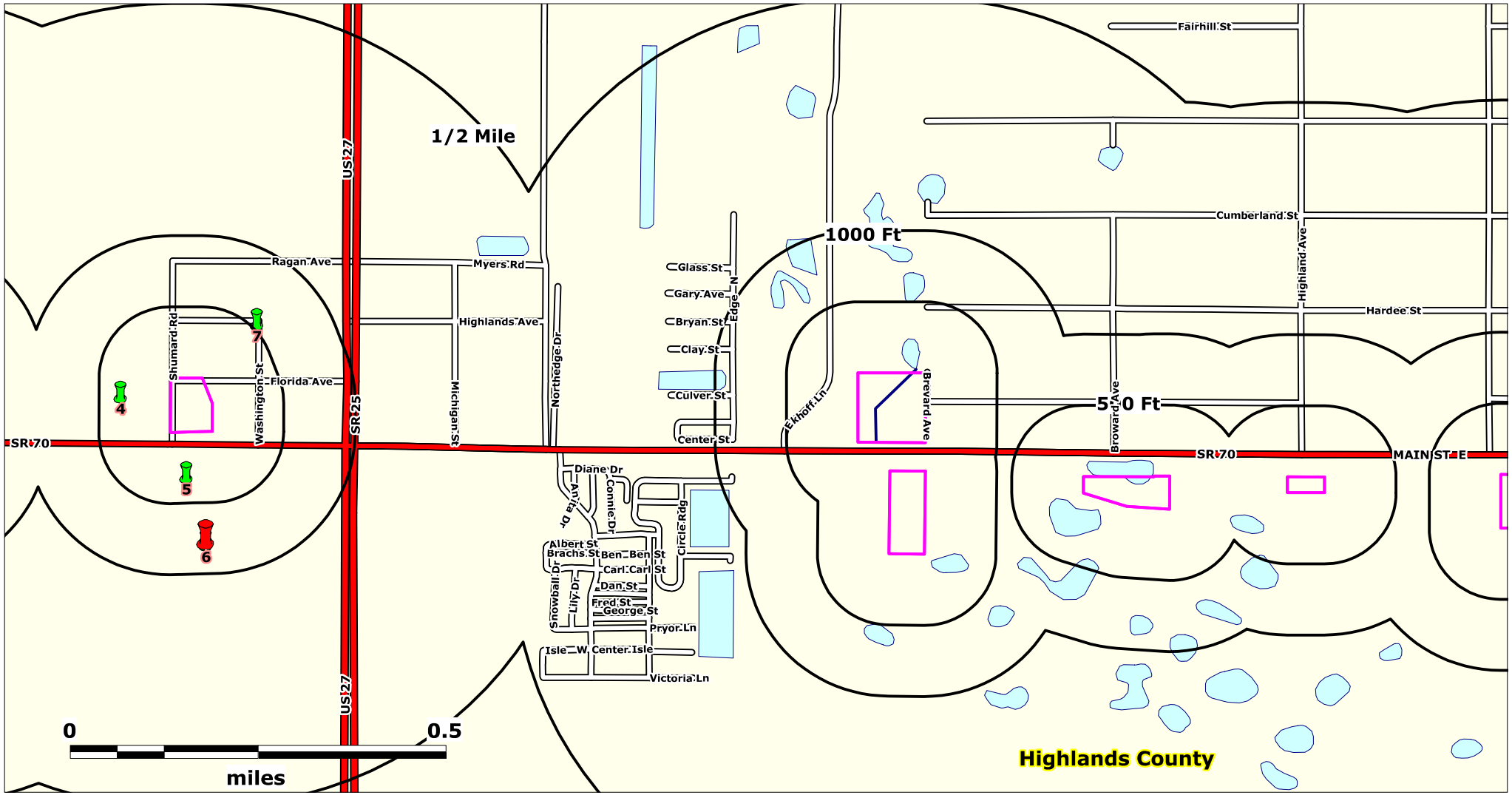
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP,STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS & INSTENG sites - 500 Feet

Custom Radius Research Report
Street Map



Source: US Census Bureau TIGER Files

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13 Ponds
Highlands County, Florida

Lat (DMS): 27 12' 32.9004"
Lon (DMS: -81 20' 27.348"

EDM Job No: 27537
February 13, 2026

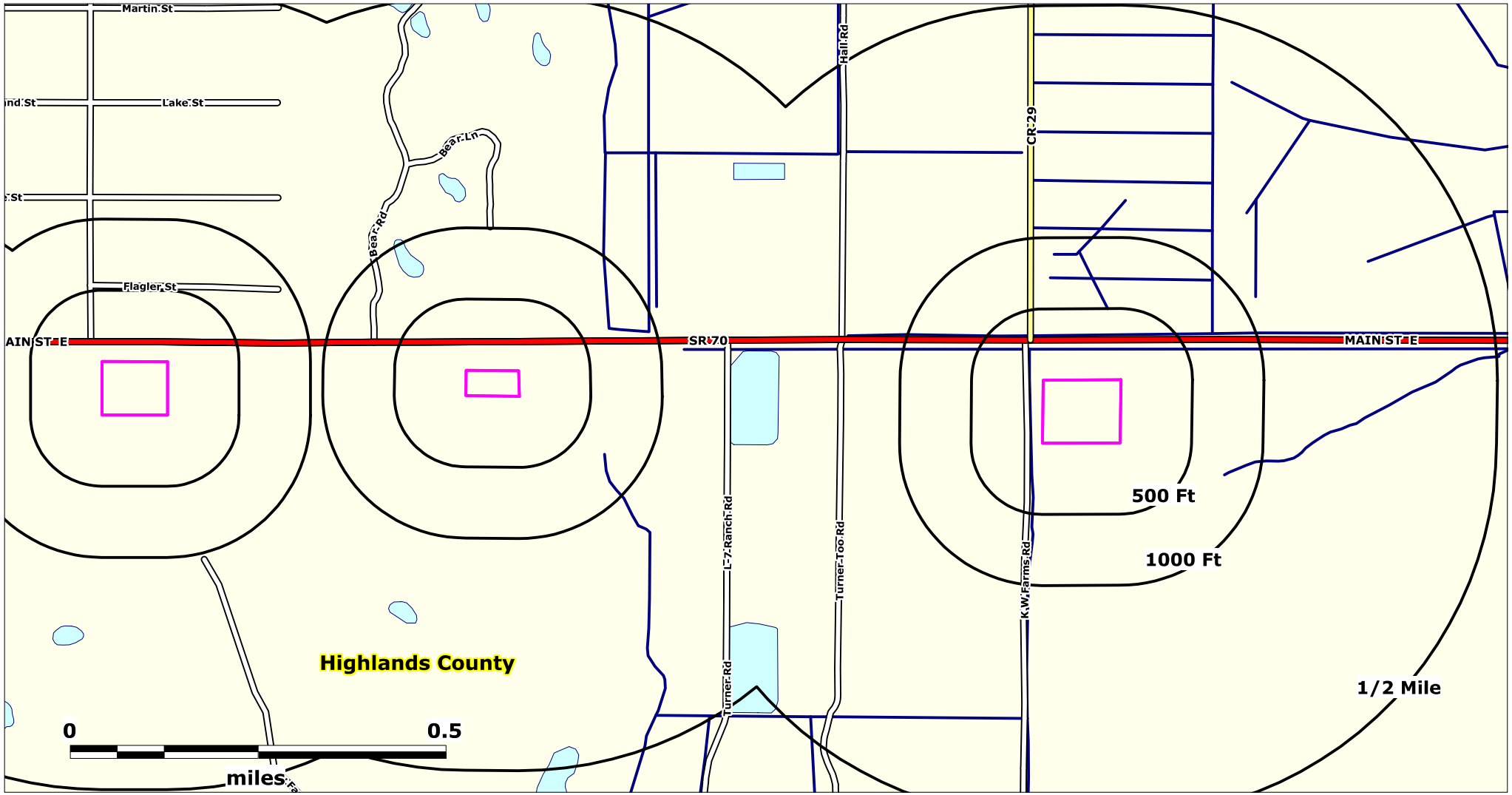
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP,STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS & INSTENG sites - 500 Feet

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Source: US Census Bureau TIGER Files

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EDM Job No: 27537
February 13, 2026

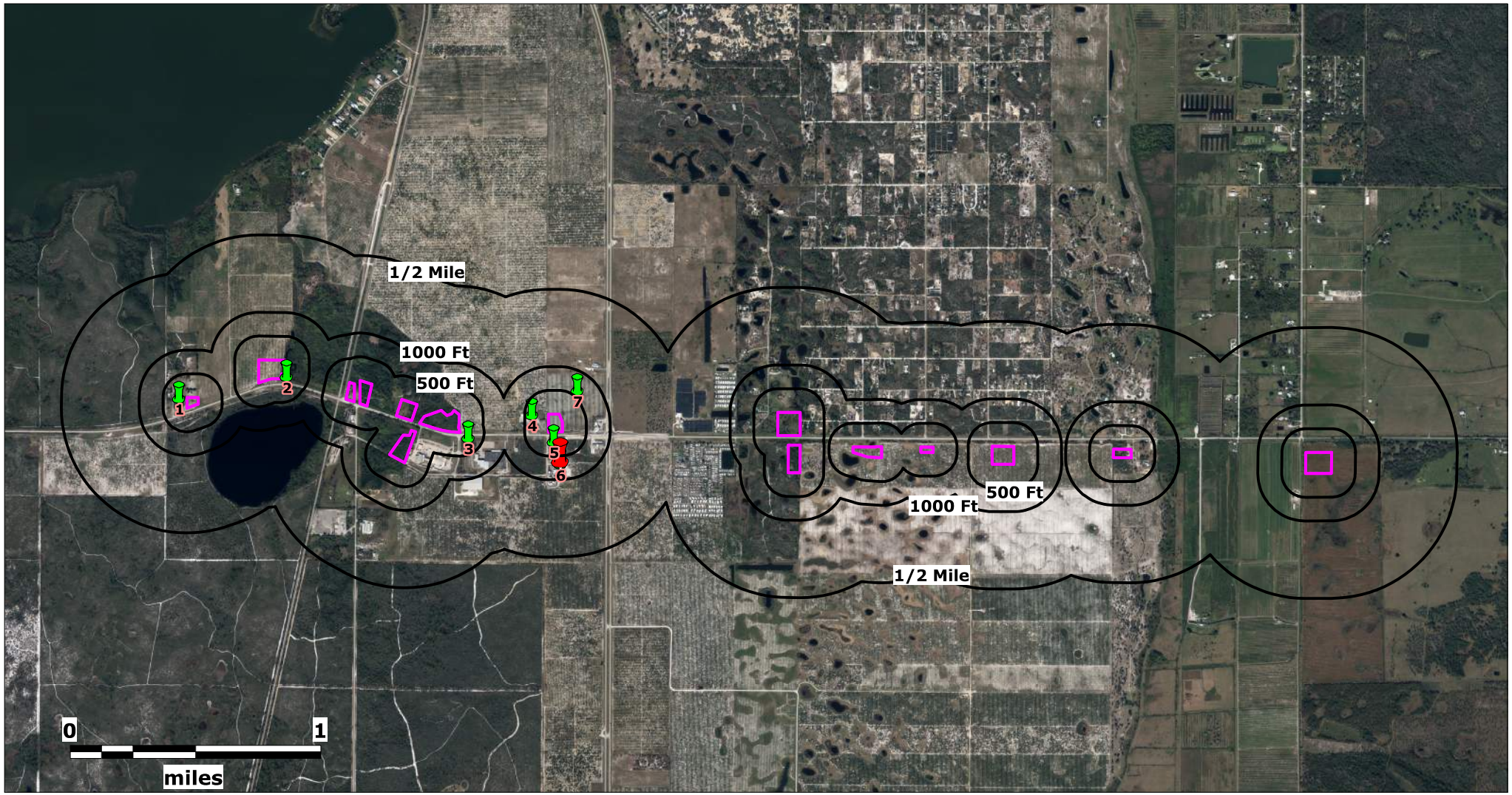
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP,STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS & INSTENG sites - 500 Feet

Custom Radius Research Report
2023 Aerial Photo



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13 Ponds
Highlands County, Florida

Lat (DMS): 27 12' 32.9004"
Lon (DMS: -81 20' 27.348"

EDM Job No: 27537
February 13, 2026

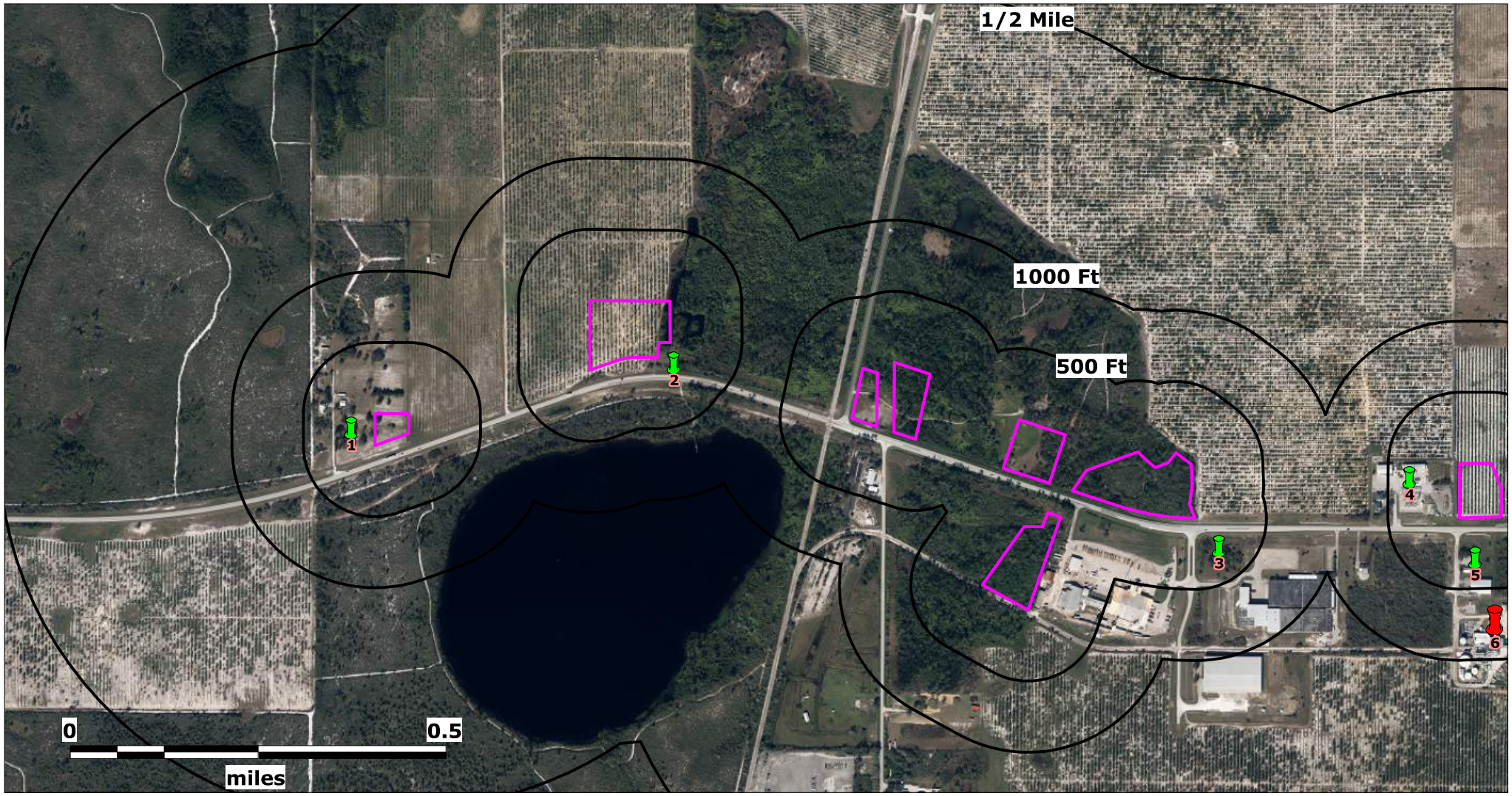
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP, STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS, INSTENG & PFAS sites - 500 Feet

Custom Radius Research Report
2023 Aerial Photo



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13 Ponds
Highlands County, Florida

Lat (DMS): 27 12' 32.9004"
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EDM Job No: 27537
February 13, 2026

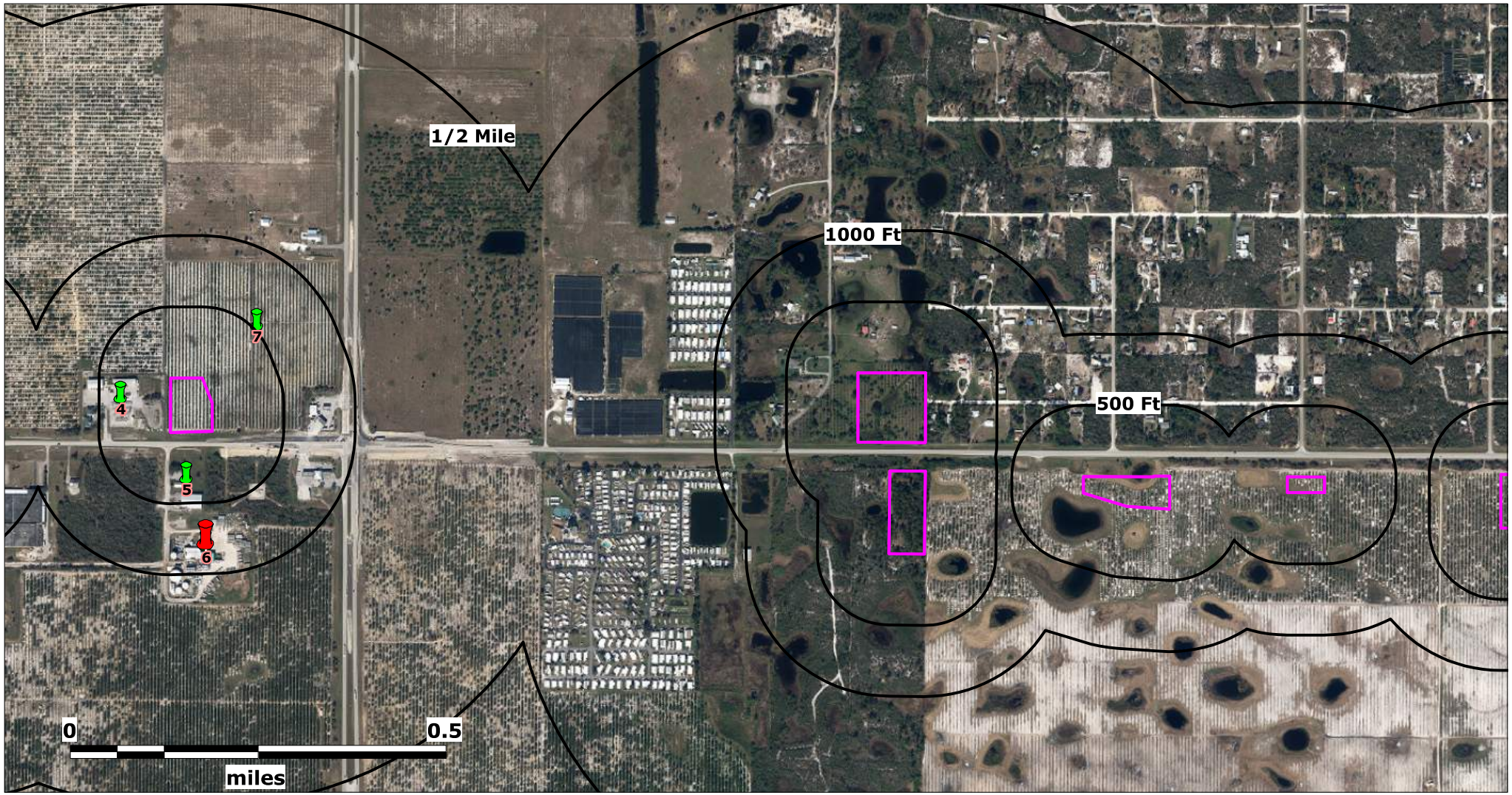
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP, STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS, INSTENG & PFAS sites - 500 Feet

Custom Radius Research Report
2023 Aerial Photo



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13 Ponds
Highlands County, Florida

Lat (DMS): 27 12' 32.9004"
Lon (DMS: -81 20' 27.348"

EDM Job No: 27537
February 13, 2026

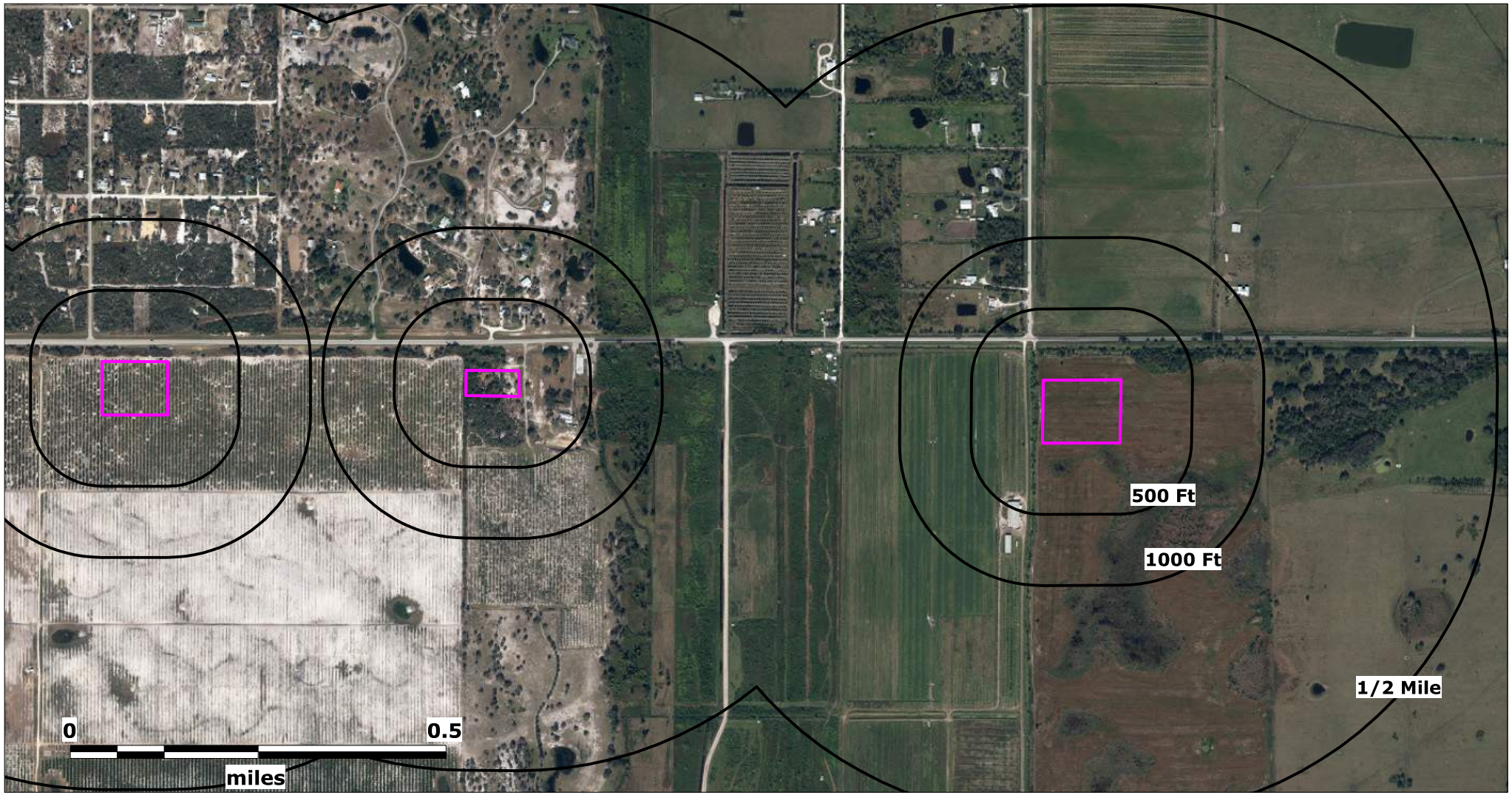
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP, STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS, INSTENG & PFAS sites - 500 Feet

Custom Radius Research Report
2023 Aerial Photo



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13 Ponds
Highlands County, Florida

Lat (DMS): 27 12' 32.9004"
Lon (DMS: -81 20' 27.348"

EDM Job No: 27537
February 13, 2026

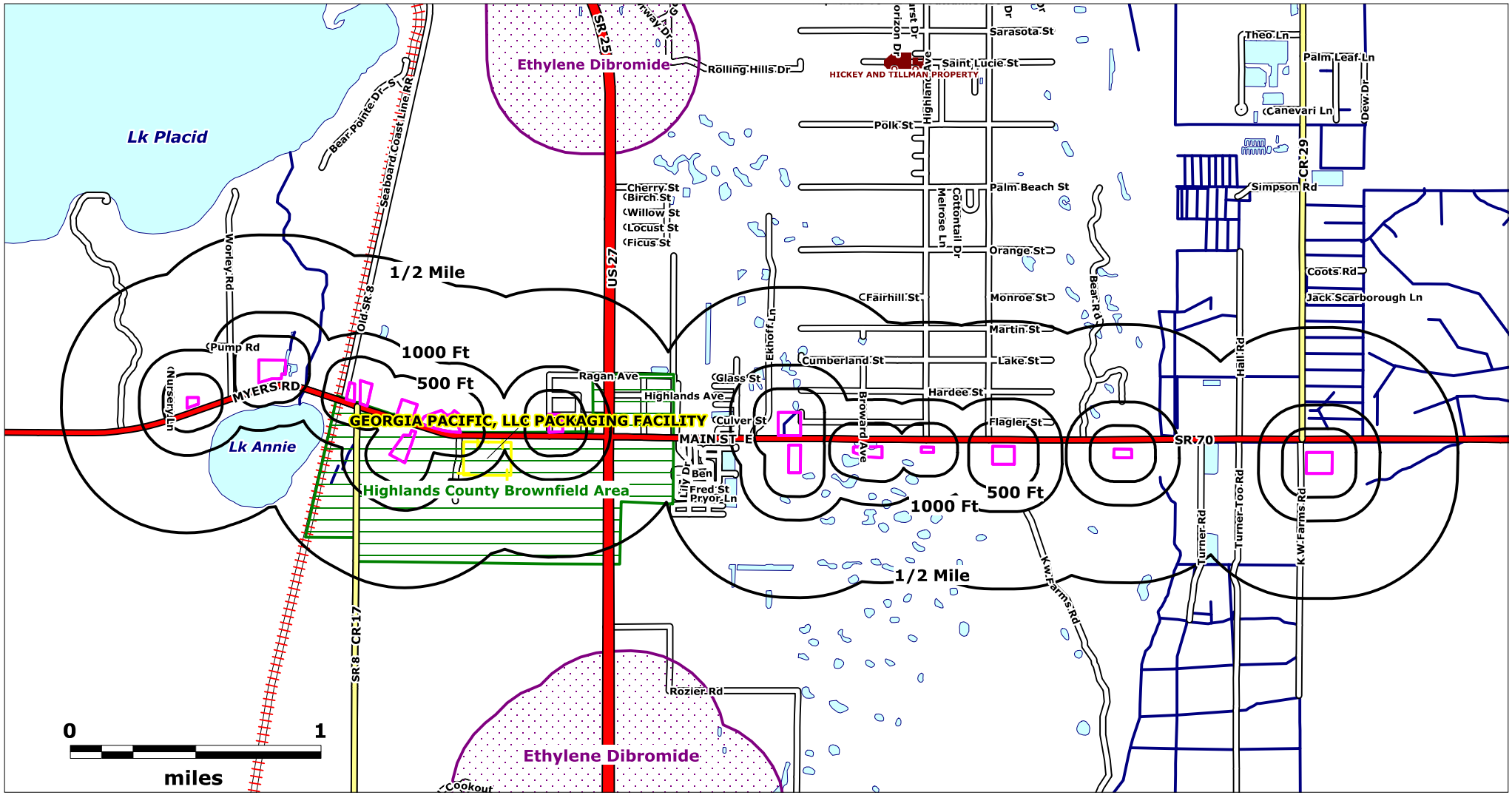
Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS. CORRACTS, NFRAP, STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS, INSTENG & PFAS sites - 500 Feet

Custom Radius Research Report
Environmental Impact Areas Map



Source: FDEP and USEPA Geodata

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13 Ponds
Highlands County, Florida

Lat (DMS): 27 12' 32.9004"
Lon (DMS: -81 20' 27.348"

EDM Job No: 27537
February 13, 2026

- FDEP Brownfield Areas
- FDEP Brownfield Sites
- USEPA NPL & FDEP STNPL Sites
- FDEP Delineated GW Contamination
- Formerly Used Defense Sites FUDS
- FUDS Munitions Response Areas
- FDEP Cattle Dipping Vat
- FDEP Solid Waste Sites
- Institutional Controls
- Approximate Site Boundary

ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research

Site Summary Table

MapID Prgm List	Fac ID No	Site Dist (ft)	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
1						
LUST	8521077	166	112.84	Higher	DIVISION OF FORESTRY-HERREN NURSERY	1801 HWY 70 W LAKE PLACID, FL 338529163
TANKS	8521077	166	112.84	Higher	DIVISION OF FORESTRY-HERREN NURSERY	1801 HWY 70 W LAKE PLACID, FL 33852
2						
TANKS	9401208	182	115.49	Higher	WORLEY BLOCK	1307 HWY 70 W LAKE PLACID, FL 33852
3						
BRWNFLDS	BF280601000	346	127.47	Higher	Highlands County Brownfield Area	SEBRING, FL
4						
TANKS	8732786	352	144.20	Higher	GLADES ELECTRIC-LAKE PLACID YARD	221 HWY 70 W LAKE PLACID, FL 33852
5						
TANKS	8732475	390	134.04	Higher	WEDGWORTHS INC	211 STATE ROAD 70 W LAKE PLACID, FL 33852
6						
CERCLIS	FLD070080924	871	133.51	Higher	DOUGLASS FERTILIZER & CHEMICAL	JCT US 27 & SR 70 LAKE PLACID, FL 33852
SEMSACTV	FLD070080924	871	133.51	Higher	DOUGLASS FERTILIZER & CHEMICAL	JCT US 27 & SR 70 LAKE PLACID, FL 33852
SEMSARCH	FLD070080924	871	133.51	Higher	DOUGLASS FERTILIZER & CHEMICAL	JCT US 27 & SR 70 LAKE PLACID, FL 33852
7						
LUST	8626327	491	135.00	Higher	SMOAK & SONS	SR 70 SW OF JEFFERSON AVE LAKE PLACID, FL 33852
TANKS	8626327	491	135.00	Higher	SMOAK & SONS	SR 70 SW OF JEFFERSON AVE LAKE PLACID, FL 33852
TANKS	8626327..	491	135.00	Higher	SMOAK & SONS	HWY 66 LAKE PLACID, FL 33852

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

FACILITY ID NUMBER, NAME AND LOCATION

8521077
DIVISION OF FORESTRY-HERREN NURSERY
1801 HWY 70 W
LAKE PLACID, FL 33852-9163

FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)

OWNERSHIP INFO:

ACCOUNT OWNER
FL DEPT OF AGRICULTURE
1203 GOVERNORS SQUARE BLVD A
TALLAHASSEE, FL 32301-2994
(850)414-9928

COUNTY ID: 28 HIGHLANDS
AGCY LAT/LON(DMS): 27,12,35.6815 81,21,22.8196
FAC OPERATOR: FLORIDA DIVISION OF FORESTRY
FAC TEL #: (941)465-0024

MAP ID NUMBER: 1

Dist (FEET): 166.00
Direction:
Elev (Ft): 112.84
Elev vs Sub Prop: Higher

LUST

FAC STATUS: CLOSED **FAC TYPE:** G - State Government

SCORE **SCORE EFF DT:** **RANK:** **SCORE WHEN RANKED:**

DISCHARGE INFORMATION

Mapid: 1

DISCHARGE DATE: 12/23/1988

INSPECTION DATE:
CLEANUP WORK STATUS: COMPLETED
CLEANUP REQUIRED N - NO CLEANUP REQUIRED **CLEANUP COMBINED:**
INFO SOURCE: E - EDI
DISCH CLNUP STATUS: 5/29/2001 NREQ - CLEANUP NOT REQUIRED
CONTAMINATED MEDIA?: **SOIL:** **SUR WATER:** **GR WATER:** **MON WELL:** **# DW WELLS CONTAMINATED:**
POLLUTANT : Z - OTHER NON REGULATED **GALLONS** **OTHER** UNKNOWN

CLEANUP INFORMATION

Mapid: 1

PGM ELIG OFF: -
PGM ELIG SCORE: **PGM ELIG SCORE EFF DT:** **PGM ELIG R**
ELIG STAT: INELIGIBLE **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**
DEDUCT AMT: **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:** 0
CLNUP PROG: E - EARLY DETECTION INCEN **CLNUP OFF:** -

SITE ASSESSMENT*
CLNP RESP: ST - STATE
FUND ELLIG: -
ACTUAL COMPLETION DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN*
CLEANUP RESP: ST - STATE
FUND ELLIG: -
ORDER APPRV DATE:
ACTUAL COMPL DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION*
CLEANUP RESP: ST - STATE
FUND ELLIG: -
ACTUAL COST:
YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT*
ACTION TYPE: -
SUBMIT DATE:
REVIEW DATE:
ISSUE DATE:
COMPL STATUS: -
COMPL STATUS DT:
COMMENTS:

SOURCE REMOVAL*
CLEANUP RESP: ST - STATE
FUND ELLIG: -
ACTUAL COMPLETION DATE:
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL? (Y/N):
SOIL TONNAGE REMOVED:
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?:
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

*** Data current as of November 2019**

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

DISCHARGE INFORMATION

Mapid: 1

DISCHARGE DATE: 6/30/1992

INSPECTION DATE:

CLEANUP WORK STATUS: COMPLETED

CLEANUP REQUIRED N - NO CLEANUP REQUIRED **CLEANUP COMBINED:**

INFO SOURCE: A - ABANDONED TANK RESTORATION

DISCH CLNUP STATUS: 5/29/2001 NREQ - CLEANUP NOT REQUIRED

CONTAMINATED MEDIA?: **SOIL:** **SUR WATER:** **GR WATER:** **MON WELL:** **# DW WELLS CONTAMINATED:**

POLLUTANT : Y - UNKNOWN/NOT REPORTED **GALLONS** **OTHER**

CLEANUP INFORMATION

Mapid: 1

PGM ELIG OFF: -

PGM ELIG SCORE: **PGM ELIG SCORE EFF DT:** **PGM ELIG R**

ELIG STAT: INELIGIBLE **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**

DEDUCT AMT: **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:** 0

CLNUP PROG: A - ABANDONED TANK RESTO **CLNUP OFF:** -

SITE ASSESSMENT*

CLNP RESP: -
FUND ELLIG: -
ACTUAL COMPLETION DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN*

CLEANUP RESP: -
FUND ELLIG: -
ORDER APPRV DATE:
ACTUAL COMPL DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION*

CLEANUP RESP: -
FUND ELLIG: -
ACTUAL COST:
YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT*

ACTION TYPE: -
SUBMIT DATE:
REVIEW DATE:
ISSUE DATE:
COMPL STATUS: -
COMPL STATUS DT:
COMMENTS:

SOURCE REMOVAL*

CLEANUP RESP: -
FUND ELLIG: -
ACTUAL COMPLETION DATE:
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL? (Y/N):
SOIL TONNAGE REMOVED:
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?:
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

*** Data current as of November 2019**

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION

8521077
DIVISION OF FORESTRY-HERREN NURSERY
1801 HWY 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

FL DEPT OF AGRICULTURE
1203 GOVERNORS SQUARE BLVD ATTN
TALLAHASSEE, FL 32301
CONTACT TEL #: 8504149928
CONTACT: FL DEPT OF AGRICULTURE
FACILTY TEL #: 9414650024
COUNTY ID: 28 HIGHLANDS

MAP ID NUMBER: 1
Dist (FEET): 166.00
Direction:
Elev (Ft): 112.84
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: CLOSED **FAC TYPE:** State Government

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	20000	01-Jan-1985	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Nov-1995

CONSTRUCTION TYPE: FIBERGLASS-CLAD STEEL
PIPING TYPE:
LEAK MONITORING: MANUALLY SAMPLED WELLS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	1000	01-Jan-1985	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 01-Nov-1995

CONSTRUCTION TYPE: FIBERGLASS-CLAD STEEL
PIPING TYPE:
LEAK MONITORING: MANUALLY SAMPLED WELLS

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FDEP STORAGE TANKS REPORT

Report Date: 2/13/2026

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

9401208
WORLEY BLOCK
1307 HWY 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

IAD CAPITAL CORP
2165 US 27 S
LAKE PLACID, FL 33852
CONTACT: RUSS ATTREE/8634650777

SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 41 / 81 20 59

MAP ID NUMBER: 2

Dist (FEET): 182.00
Direction:
Elev (Ft): 115.49
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	4000	01-Mar-1992	Vehicular Diesel	ABOVEGROUND	REMOVED FROM SITE 01-Oct-2007

CONSTRUCTION TYPE: CK STEEL/AST CONTAINMENT
PIPING TYPE:
LEAK MONITORING: Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	500	01-Jul-1984	Leaded Gas	UNDERGROUND	UNMAINTAINED 01-Jul-1984

CONSTRUCTION TYPE: C STEEL
PIPING TYPE:
LEAK MONITORING: X NONE

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FDEP DESIGNATED BROWNFIELDS

Report Date: 2/13/2026

(BRWNFLDS)

ID NUMBER, NAME AND LOCATION

BF280601000
Highlands County Brownfield Area

SEBRING, FL

AREA ID: BF280601000
AREA NAME: Highlands County Brownfield Area
SITE ID:
SOURCE: Sebring/Highlands County
FDEP DISTRICT: South
AGENCY LAT/LON: 27.4653 / -81.4191

MAP ID NUMBER: 3
Dist (FEET): 346.00
Direction:
Elev (Ft): 127.47
Elev vs Sub Prop: Higher

BRWNFLDS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

ACREAGE: 12769.0607465 **RESOLUTION DATE:** 3/7/2006 **RESOLUTION #:** 05-06-130
BSRA DATE: **SRCO DATE:** **REMEDIATION STATUS:**
COMMENTS:

EDM

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FDEP STORAGE TANKS REPORT

Report Date: 2/13/2026

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8732786
GLADES ELECTRIC-LAKE PLACID YARD
221 HWY 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

GLADES ELECTRIC CO OP INC
PO BOX 519 ATTN: STORAGE TANK R
MOORE HAVEN, FL 33471
CONTACT: JIM MORRISSEY/8632273217
SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 33 / 81 20 0

MAP ID NUMBER: 4
Dist (FEET): 352.00
Direction:
Elev (Ft): 144.20
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Fuel user/Non-retail

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	5000	01-Oct-1982	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Dec-1995

CONSTRUCTION TYPE: CMO STEEL/SPILL CONTAINMENT BUCKET/TIGHT FILL
PIPING TYPE:
LEAK MONITORING: LO8 AUTOMATIC TANK GAUGING-USTS/VAPOR MONITORING/MANUALLY SAMPLED WELLS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	3000	01-Mar-1989	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 01-Dec-1995

CONSTRUCTION TYPE: FMOI FIBERGLASS-CLAD STEEL/SPILL CONTAINMENT BUCKET/TIGHT FILL/DOUBLE WALL
PIPING TYPE:
LEAK MONITORING: LO8 AUTOMATIC TANK GAUGING-USTS/VAPOR MONITORING/MANUALLY SAMPLED WELLS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
3	12000	01-Apr-2002	Vehicular Diesel	ABOVEGROUND	IN SERVICE 01-Apr-2002

CONSTRUCTION TYPE: CILMP STEEL/DOUBLE WALL/COMPARTMENTED/SPILL CONTAINMENT BUCKET/LEVEL GAUGES/ALARMS
PIPING TYPE: ABK ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/DISPENSER LINERS
LEAK MONITORING: FQ MONITOR DBL WALL TANK SPACE/VISUAL INSPECTION OF ASTS

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FDEP STORAGE TANKS REPORT

Report Date: 2/13/2026

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8732475
WEDGWORTHS INC
211 STATE ROAD 70 W
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

WEDGWORTHS INC
PO BOX 2076 ATTN: STORAGE TANK
Belle Glade, FL 33430
CONTACT: DENNIS WEDGWORTH (SHERIDA/56199

SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): 27 12 22 / 81 19 54

MAP ID NUMBER: 5

Dist (FEET): 390.00
Direction:
Elev (Ft): 134.04
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: OPEN **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	12000	01-Jan-1975	Vehicular Diesel	ABOVEGROUND	REMOVED FROM SITE 01-Jun-2022

CONSTRUCTION TYPE: CKP STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE: AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING: 6Q EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	12000	01-Jan-1975	Vehicular Diesel	ABOVEGROUND	IN SERVICE 01-Aug-2007

CONSTRUCTION TYPE: CKP STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE: AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING: 6Q EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
12CL	23000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 23-Jun-2023

CONSTRUCTION TYPE: EQ FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE: AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING: Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
12CL	23000	26-Aug-2022	Other Non Regulated	ABOVEGROUND	IN SERVICE 23-Jun-2023

CONSTRUCTION TYPE: EQ FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE: AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING: Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
13	25000	01-Jan-1997	Other Non Regulated	ABOVEGROUND	NONREG USE/PROCESS 01-Jan-1997

CONSTRUCTION TYPE: ACKP BALL CHECK VALVE/STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE: AILZ ABV, NO SOIL CONTACT/SUCTION PIPING SYSTEM/BULK PRODUCT SYSTEM/DEP APPROVED PIPING
LEAK MONITORING: 26Q VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
14	25000	01-Jan-1997	Other Non Regulated	ABOVEGROUND	REMOVED FROM SITE 01-Jan-1997

CONSTRUCTION TYPE: ACKP BALL CHECK VALVE/STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE: AILZ ABV, NO SOIL CONTACT/SUCTION PIPING SYSTEM/BULK PRODUCT SYSTEM/DEP APPROVED PIPING
LEAK MONITORING: 26Q VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

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FDEP STORAGE TANKS REPORT

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
14CL	30000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 28-Apr-2023

CONSTRUCTION TYPE:	EQ FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	QY VISUAL INSPECTION OF ASTS/UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
17	8000	01-Aug-1999	Mineral Acid	ABOVEGROUND	REMOVED FROM SITE 01-Jun-2015

CONSTRUCTION TYPE:	ACKP BALL CHECK VALVE/STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE:	AGN ABV, NO SOIL CONTACT/PIPE TRENCH LINER/APPROVED SYNTHETIC MATERIAL
LEAK MONITORING:	26Q VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
17CL	23000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 23-Jun-2023

CONSTRUCTION TYPE:	EQ FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
17CL	23000	26-Aug-2022	Other Non Regulated	ABOVEGROUND	IN SERVICE 23-Jun-2023

CONSTRUCTION TYPE:	EQ FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1800	1800	21-Dec-2020	Vehicular Diesel	ABOVEGROUND	IN SERVICE 30-Dec-2020

CONSTRUCTION TYPE:	ACHI BALL CHECK VALVE/STEEL/IMPRESSED CURRENT CP/DOUBLE WALL
PIPING TYPE:	X NO PIPING ASOCIATED W/TANK
LEAK MONITORING:	Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
18CL	23000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 28-Apr-2023

CONSTRUCTION TYPE:	EQ FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	QY VISUAL INSPECTION OF ASTS/UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
19	8000	01-Aug-1999	Mineral Acid	ABOVEGROUND	REMOVED FROM SITE 25-Jun-2015

CONSTRUCTION TYPE:	ACKP BALL CHECK VALVE/STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE:	AGN ABV, NO SOIL CONTACT/PIPE TRENCH LINER/APPROVED SYNTHETIC MATERIAL
LEAK MONITORING:	26Q VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

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FDEP STORAGE TANKS REPORT

(TANKS)

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
19CL	23000	27-Jun-2025	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 27-Jun-2025

CONSTRUCTION TYPE:	EQ	FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	Q	VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	10000	01-Jul-2007	Vehicular Diesel	ABOVEGROUND	IN SERVICE 01-Jul-2007

CONSTRUCTION TYPE:	CKNP	STEEL/AST CONTAINMENT/FLOW SHUT OFF/LEVEL GAUGES/ALARMS
PIPING TYPE:	ABI	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/SUCTION PIPING SYSTEM
LEAK MONITORING:	6Q	EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	10000	01-Jul-2007	Vehicular Diesel	ABOVEGROUND	REMOVED FROM SITE 01-Jun-2022

CONSTRUCTION TYPE:	CKNP	STEEL/AST CONTAINMENT/FLOW SHUT OFF/LEVEL GAUGES/ALARMS
PIPING TYPE:	ABI	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/SUCTION PIPING SYSTEM
LEAK MONITORING:	6Q	EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
22	30000	01-Jan-1975	Misc Petrol-Based Product	ABOVEGROUND	DELETED 01-Jan-1975

CONSTRUCTION TYPE:		
PIPING TYPE:		
LEAK MONITORING:		

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
23	30000	01-Jan-1975	Misc Petrol-Based Product	ABOVEGROUND	DELETED 01-Jan-1975

CONSTRUCTION TYPE:		
PIPING TYPE:		
LEAK MONITORING:		

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
25CL	23000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 23-Jun-2023

CONSTRUCTION TYPE:	EQ	FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	Q	VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
25CL	23000	26-Aug-2022	Other Non Regulated	ABOVEGROUND	IN SERVICE 23-Jun-2023

CONSTRUCTION TYPE:	EQ	FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	Q	VISUAL INSPECTION OF ASTS

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FDEP STORAGE TANKS REPORT

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
36	300000	01-Jan-1975	Misc Petrol-Based Product	ABOVEGROUND	REMOVED FROM SITE 16-Oct-2015

CONSTRUCTION TYPE:	ACPS	BALL CHECK VALVE/STEEL/LEVEL GAUGES/ALARMS/DEP APPROVED CONTAINTMENT
PIPING TYPE:	AILZ	ABV, NO SOIL CONTACT/SUCTION PIPING SYSTEM/BULK PRODUCT SYSTEM/DEP APPROVED PIPING
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
36CL	23000	26-Aug-2022	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 28-Apr-2023

CONSTRUCTION TYPE:	EQ	FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	QY	VISUAL INSPECTION OF ASTS/UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
36CL	23000	26-Aug-2022	Other Non Regulated	ABOVEGROUND	IN SERVICE 28-Apr-2023

CONSTRUCTION TYPE:	EQ	FIBERGLASS/DEP APPROVED PROTECTION
PIPING TYPE:	AB	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL
LEAK MONITORING:	QY	VISUAL INSPECTION OF ASTS/UNKNOWN

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
37	10000	19-Jan-2024	Mineral Acid	ABOVEGROUND	IN SERVICE 19-Jan-2024

CONSTRUCTION TYPE:	QY	DEP APPROVED PROTECTION/POLYETHYLENE
PIPING TYPE:	AZ	ABV, NO SOIL CONTACT/DEP APPROVED PIPING
LEAK MONITORING:	Q	VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
38	14700	01-Jan-1985	Other Non Regulated	ABOVEGROUND	REMOVED FROM SITE 01-Jul-2015

CONSTRUCTION TYPE:	ER	FIBERGLASS/DOUBLE WALL-TANK JACKET
PIPING TYPE:	ABDI	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING/SUCTION PIPING SYSTEM
LEAK MONITORING:	MN	MANUAL TANK GAUGING-USTS/GROUNDWATER MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
53	12000	01-Aug-1979	Ammonia Compound	ABOVEGROUND	DELETED 01-Jul-2002

CONSTRUCTION TYPE:	CA	STEEL/BALL CHECK VALVE
PIPING TYPE:	ABD	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING
LEAK MONITORING:	N	GROUNDWATER MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
53	12000	01-Aug-1979	Ammonia Compound	ABOVEGROUND	REMOVED FROM SITE 01-Mar-2003

CONSTRUCTION TYPE:	CA	STEEL/BALL CHECK VALVE
PIPING TYPE:	ABD	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING
LEAK MONITORING:	N	GROUNDWATER MONITORING

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TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
54	12000	01-Aug-1979	Ammonia Compound	ABOVEGROUND	DELETED 01-Aug-1979

CONSTRUCTION TYPE:	CA	STEEL/BALL CHECK VALVE
PIPING TYPE:	ABD	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING
LEAK MONITORING:	N	GROUNDWATER MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
54	12000	01-Aug-1979	Ammonia Compound	ABOVEGROUND	REMOVED FROM SITE 01-Mar-2003

CONSTRUCTION TYPE:	CA	STEEL/BALL CHECK VALVE
PIPING TYPE:	ABD	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING
LEAK MONITORING:	N	GROUNDWATER MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
70	299500	01-Jan-2013	Misc Petrol-Based Product	ABOVEGROUND	IN SERVICE 01-Jan-2013

CONSTRUCTION TYPE:	CKMU	STEEL/AST CONTAINMENT/SPILL CONTAINMENT BUCKET/FIELD ERECTED TANK
PIPING TYPE:	A	ABV, NO SOIL CONTACT
LEAK MONITORING:	6DQ	EXTERNAL PIPING MONITORING/SPCC PLAN/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
70	299500	01-Jan-2013	Other Non Regulated	ABOVEGROUND	IN SERVICE 01-Jan-2013

CONSTRUCTION TYPE:	CKMU	STEEL/AST CONTAINMENT/SPILL CONTAINMENT BUCKET/FIELD ERECTED TANK
PIPING TYPE:	A	ABV, NO SOIL CONTACT
LEAK MONITORING:	6DQ	EXTERNAL PIPING MONITORING/SPCC PLAN/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
71	300000	01-Dec-1992	Misc Petrol-Based Product	ABOVEGROUND	REMOVED FROM SITE 01-Dec-2012

CONSTRUCTION TYPE:		
PIPING TYPE:		
LEAK MONITORING:		

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
D43	9841	01-Sep-1989	Other Non Regulated	ABOVEGROUND	REMOVED FROM SITE 02-Mar-2015

CONSTRUCTION TYPE:	EK	FIBERGLASS/AST CONTAINMENT
PIPING TYPE:	NA	APPROVED SYNTHETIC MATERIAL/ABV, NO SOIL CONTACT
LEAK MONITORING:	IZ	NOT REQUIRED/DEP APPROVED MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
D51	12000	01-Sep-1989	Mineral Acid	ABOVEGROUND	REMOVED FROM SITE 01-Jun-1999

CONSTRUCTION TYPE:	EK	FIBERGLASS/AST CONTAINMENT
PIPING TYPE:	NA	APPROVED SYNTHETIC MATERIAL/ABV, NO SOIL CONTACT
LEAK MONITORING:	IZ	NOT REQUIRED/DEP APPROVED MONITORING

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TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
D52	8800	01-Sep-1989	Other Non Regulated	ABOVEGROUND	REMOVED FROM SITE 02-Mar-2015

CONSTRUCTION TYPE:	EK	FIBERGLASS/AST CONTAINMENT
PIPING TYPE:	NA	APPROVED SYNTHETIC MATERIAL/ABV, NO SOIL CONTACT
LEAK MONITORING:	IZ	NOT REQUIRED/DEP APPROVED MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-1	8000	01-Aug-1999	Mineral Acid	ABOVEGROUND	IN SERVICE 01-Aug-1999

CONSTRUCTION TYPE:	CK	STEEL/AST CONTAINMENT
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-1	8000	01-Aug-1999	Other Non Regulated	ABOVEGROUND	OUT OF SERVICE 18-Jan-2024

CONSTRUCTION TYPE:	CK	STEEL/AST CONTAINMENT
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-1	8000	01-Mar-1999	Mineral Acid	ABOVEGROUND	DELETED 24-Mar-2003

CONSTRUCTION TYPE:	CK	STEEL/AST CONTAINMENT
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-2	8000	01-Mar-1999	Mineral Acid	ABOVEGROUND	DELETED 24-Mar-2003

CONSTRUCTION TYPE:	CAKP	STEEL/BALL CHECK VALVE/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER
LEAK MONITORING:	N	GROUNDWATER MONITORING

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-3	20000	01-Mar-1999	Mineral Acid	ABOVEGROUND	DELETED 01-Mar-1999

CONSTRUCTION TYPE:	AEKP	BALL CHECK VALVE/FIBERGLASS/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE:	AGN	ABV, NO SOIL CONTACT/PIPE TRENCH LINER/APPROVED SYNTHETIC MATERIAL
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-3	20000	01-Mar-1999	Mineral Acid	ABOVEGROUND	IN SERVICE 25-Jun-2015

CONSTRUCTION TYPE:	AEKP	BALL CHECK VALVE/FIBERGLASS/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE:	AGN	ABV, NO SOIL CONTACT/PIPE TRENCH LINER/APPROVED SYNTHETIC MATERIAL
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

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FDEP STORAGE TANKS REPORT

(TANKS)

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-4	8400	31-Mar-2017	Mineral Acid	ABOVEGROUND	IN SERVICE 31-Mar-2017

CONSTRUCTION TYPE:	KPY	AST CONTAINMENT/LEVEL GAUGES/ALARMS/POLYETHYLENE
PIPING TYPE:	AGN	ABV, NO SOIL CONTACT/PIPE TRENCH LINER/APPROVED SYNTHETIC MATERIAL
LEAK MONITORING:	26Q	VISUAL INSPECT PIPE SUMPS/EXTERNAL PIPING MONITORING/VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-5	11500	25-May-2017	Mineral Acid	ABOVEGROUND	IN SERVICE 23-Jun-2022

CONSTRUCTION TYPE:	CKP	STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER
LEAK MONITORING:	2	VISUAL INSPECT PIPE SUMPS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
G-5	11500	25-May-2017	Unknown/Not Reported	ABOVEGROUND	OUT OF SERVICE 25-May-2017

CONSTRUCTION TYPE:	CKP	STEEL/AST CONTAINMENT/LEVEL GAUGES/ALARMS
PIPING TYPE:	ABG	ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/PIPE TRENCH LINER
LEAK MONITORING:	2	VISUAL INSPECT PIPE SUMPS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
P2	6000	01-Jul-1976	Leaded Gas	UNDERGROUND	REMOVED FROM SITE

CONSTRUCTION TYPE:	E	FIBERGLASS
PIPING TYPE:	C	FIBERGLASS
LEAK MONITORING:	I	NOT REQUIRED

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
P3	8000	01-Jul-1976	Leaded Gas	UNDERGROUND	REMOVED FROM SITE

CONSTRUCTION TYPE:	E	FIBERGLASS
PIPING TYPE:	C	FIBERGLASS
LEAK MONITORING:	I	NOT REQUIRED

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USEPA SUPERFUND ENTERPRISE MANAGEMENT SYSTEM
ACTIVE SITE INVENTORY LIST

(SEMSACTV)

FACILITY ID NUMBER, NAME AND LOCATION:

FLD070080924 **--HISTORICAL ENTRY--**
DOUGLASS FERTILIZER & CHEMICAL
JCT US 27 & SR 70
LAKE PLACID, FL 33852

SITE ID: 400731
EPA REG: 4
CONG DISTR: 12
FIPS CODE: 12055
FED FAC?: N
COUNTY: HIGHLANDS
AGENCY LAT/LON: /

MAP ID NUMBER: 6
Dist (FEET): 871.00
Direction:
Elev (Ft): 133.51
Elev vs Sub Prop: Higher

SEMSACTV

NPL STATUS: Not on the NPL
NON NPL STATUS: NFRAP-Site does not qualify for the NPL based on existing information

SEMS ON LINE REPORTS **(May Not Be Available For All Records)**

OPERABLE UNIT: 00

ACTION CODE: SI **ACTION NAME:** SI
START DATE: **FINISH DATE:** 1/15/1991 5:00:0
QUAL: L **ACTION LEAD:** St Perf

ACTION CODE: PA **ACTION NAME:** PA
START DATE: **FINISH DATE:** 4/3/1986 5:00:00
QUAL: L **ACTION LEAD:** St Perf

ACTION CODE: OO **ACTION NAME:** SITE REASS
START DATE: **FINISH DATE:** 7/31/2003 4:00:0
QUAL: N **ACTION LEAD:** EPA Perf

ACTION CODE: DS **ACTION NAME:** DISCVRY
START DATE: 2/1/1985 6:00:00 **FINISH DATE:** 2/1/1985 6:00:00
QUAL: **ACTION LEAD:** EPA Perf

ACTION CODE: VS **ACTION NAME:** ARCH SITE
START DATE: 7/6/2017 5:00:00 **FINISH DATE:** 7/6/2017 5:00:00
QUAL: **ACTION LEAD:** EPA Perf In-Hse

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USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY INFORMATION SYSTEM LIST

(CERCLIS)

FACILITY ID NUMBER, NAME AND LOCATION

FLD070080924
DOUGLASS FERTILIZER & CHEMICAL
JCT US 27 & SR 70
LAKE PLACID, FL 33852

MAP ID NUMBER: 6

Dist (FEET): 871.00
Direction:
Elev (Ft): 133.51
Elev vs Sub Prop: Higher

CERCLIS

NPL DESCRIPTION: NOT ON THE NPL
OWNERSHIP TYPE:
FEDERAL FACILITY STATUS: NOT A FEDERAL FACILITY
NON NPL STATUS: NFRAP
SITE INCIDENT CATEGORY:

CERCLIS EVENT DETAIL FOR EACH OPERABLE UNIT

OPERABLE UNIT ID #: 00 **OPERABLE UNIT NAME:** SITEWIDE

EVENT NAME:	DISCOVERY	**START DATE:**		**COMPL DATE:**	2/1/1985	**EVENT LEAD:**	EPA Fund-Financed
EVENT NAME:	PRELIMINARY ASSESSMENT	**START DATE:**		**COMPL DATE:**	4/3/1986	**EVENT LEAD:**	State, Fund Financed
EVENT NAME:	SITE INSPECTION	**START DATE:**		**COMPL DATE:**	1/15/1991	**EVENT LEAD:**	State, Fund Financed
EVENT NAME:	SITE REASSESSMENT	**START DATE:**		**COMPL DATE:**	7/31/2003	**EVENT LEAD:**	EPA Fund-Financed

ADDITIONAL EPA COMMENTS FOR THIS FACILITY:

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USEPA SUPERFUND ENTERPRISE MANAGEMENT SYSTEM
ARCHIVED SITE INVENTORY LIST

(SEMSARCH)

FACILITY ID NUMBER, NAME AND LOCATION:

FLD070080924
DOUGLASS FERTILIZER & CHEMICAL
JCT US 27 & SR 70
LAKE PLACID, FL 33852

SITE ID: 400731
EPA REG: 4
CONG DISTR: 12
FIPS CODE: 12055
FED FAC?: N
COUNTY: HIGHLANDS
AGENCY LAT/LON: /

MAP ID NUMBER: 6
Dist (FEET): 871.00
Direction:
Elev (Ft): 133.51
Elev vs Sub Prop: Higher

SEMSARCH

NPL STATUS: Not on the NPL
NON NPL STATUS: NFRAP-Site does not qualify for the NPL based on existing information

SEMS ON LINE REPORTS **(May Not Be Available For All Records)**

OPERABLE UNIT: 00

ACTION CODE: SI **ACTION NAME:** SI
START DATE: **FINISH DATE:** 1/15/1991 5:00:0
QUAL: L **ACTION LEAD:** St Perf

ACTION CODE: OO **ACTION NAME:** SITE REASS
START DATE: **FINISH DATE:** 7/31/2003 4:00:0
QUAL: N **ACTION LEAD:** EPA Perf

ACTION CODE: PA **ACTION NAME:** PA
START DATE: **FINISH DATE:** 4/3/1986 5:00:00
QUAL: L **ACTION LEAD:** St Perf

ACTION CODE: DS **ACTION NAME:** DISCVRY
START DATE: 2/1/1985 6:00:00 **FINISH DATE:** 2/1/1985 6:00:00
QUAL: **ACTION LEAD:** EPA Perf

ACTION CODE: VS **ACTION NAME:** ARCH SITE
START DATE: 7/6/2017 5:00:00 **FINISH DATE:** 7/6/2017 5:00:00
QUAL: **ACTION LEAD:** EPA Perf In-Hse

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

FACILITY ID NUMBER, NAME AND LOCATION

8626327 **--HISTORICAL ENTRY--**
SMOAK & SONS
SR 70 SW OF JEFFERSON AVE
LAKE PLACID, FL 33852

FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)

OWNERSHIP INFO:

ACCOUNT OWNER
SMOAK GROVES INC
1025 CR 17 N
LAKE PLACID, FL 33852
(863) 465-2561
COUNTY ID: 28 HIGHLANDS
AGCY LAT/LON(DMS):
FAC OPERATOR:
FAC TEL #: (813) 465-3561

MAP ID NUMBER: 7

Dist (FEET): 491.00
Direction:
Elev (Ft): 135.00
Elev vs Sub Prop: Higher

LUST

FAC STATUS:
FAC TYPE: AGRIBUSINESS
SCORE **SCORE EFF DT:** **RANK:** **SCORE WHEN RANKED:**

DISCHARGE INFORMATION

DISCHARGE DATE:

Mapid: 7

INSPECTION DATE:
CLEANUP WORK STATUS:
CLEANUP REQUIRED
CLEANUP COMBINED:
INFO SOURCE:
DISCH CLNUP STATUS:
CONTAMINATED MEDIA?: **SOIL:** **SUR WATER:** **GR WATER:** **MON WELL:** **# DW WELLS CONTAMINATED:**
POLLUTANT :
GALLONS **OTHER**

CLEANUP INFORMATION

Mapid: 7

PGM ELIG OFF:
PGM ELIG SCORE: **PGM ELIG SCORE EFF DT:** **PGM ELIG R**
ELIG STAT: **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**
DEDUCT AMT: **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:**
CLNUP PROG: **CLNUP OFF:**

SITE ASSESSMENT*

CLNP RESP:
FUND ELLIG:
ACTUAL COMPLETION DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN*

CLEANUP RESP:
FUND ELLIG:
ORDER APPRV DATE:
ACTUAL COMPL DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION*

CLEANUP RESP:
FUND ELLIG:
ACTUAL COST:
YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT*

ACTION TYPE:
SUBMIT DATE:
REVIEW DATE:
ISSUE DATE:
COMPL STATUS:
COMPL STATUS DT:
COMMENTS:

SOURCE REMOVAL*

CLEANUP RESP:
FUND ELLIG:
ACTUAL COMPLETION DATE:
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL? (Y/N):
SOIL TONNAGE REMOVED:
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?:
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

*** Data current as of November 2019**

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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION

8626327
SMOAK & SONS
SR 70 SW OF JEFFERSON AVE
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

SMOAK GROVES INC-SGI
1025 CR 17 N ATTN: STORAGE TANK
LAKE PLACID, FL 33852
CONTACT TEL #: 8634652561
CONTACT: SMOAK GROVES INC-SGI
FACILTY TEL #: 8134653561
COUNTY ID: 28 HIGHLANDS

MAP ID NUMBER: 7
Dist (FEET): 491.00
Direction:
Elev (Ft): 135.00
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)

FAC STATUS: CLOSED **FAC TYPE:** Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)

CONSTRUCTION TYPE:
PIPING TYPE:
LEAK MONITORING:

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FDEP STORAGE TANKS REPORT

Report Date: 2/13/2026

(TANKS)

FACILITY ID NUMBER, NAME AND LOCATION

8626327.. **--HISTORICAL ENTRY--**
SMOAK & SONS
HWY 66
LAKE PLACID, FL 33852

OWNERSHIP INFORMATION

,
CONTACT: /
SITE COUNTY: 28 HIGHLANDS
SITE LAT/LON (AGCY): /

MAP ID NUMBER: 7
Dist (FEET): 491.00
Direction:
Elev (Ft): 135.00
Elev vs Sub Prop: Higher

TANKS

FDEP INFORMATION PORTAL ON LINE DOCUMENTS **(May Not Be Available For All Records)**

FAC STATUS: CLOSED **FAC TYPE:** M / Agricultural

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)

CONSTRUCTION TYPE:
PIPING TYPE:
LEAK MONITORING:

EDM

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ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research

Proximal Site Summary Table

This table includes mapped sites whose plotted coordinates fall just outside of the ASTM or client defined research distance but whose property boundaries may still extend into the search area. These sites are typically large commercial or industrial tracts that may merit inclusion in the evaluation process. Detail data reports on any of these sites may be requested and will be sent as an addendum to this report at no additional cost.

MapID / Prgm List	Fac ID No	Site Dist (ft)	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
1A						
TANKS	9102355	1099	108.12	Higher	LAKE PLACID GROVES-AIR STRIP BLOCK	HWY 70 W LAKE PLACID, FL 33852
2A						
STCERC	ERIC_13318	704	115.21	Higher	GLADES ELECTRIC TRUCK FIRE	2813 OLD STATE RT. 8 LAKE PLACID, FL
VOLCLNUP	378167	704	115.21	Higher	GLADES ELECTRIC TRUCK FIRE	2813 OLD STATE RT. 8 LAKE PLACID, FL
VOLCLNUP	ERIC_13318	704	115.21	Higher	GLADES ELECTRIC TRUCK FIRE	2813 OLD STATE RT. 8 LAKE PLACID, FL
3A						
TANKS	8519674	507	119.94	Higher	HOWARD FERTILIZER INC	600 HWY 70 W LAKE PLACID, FL 33852
4A						
INSTENG	621	831	140.13	Higher	GEORGIA-PACIFIC CORP	400 STATE ROAD 70 WEST Lake Placid, FL 33852
STCERC	ERIC_13299	831	140.13	Higher	400 STATE ROAD 70 WEST AST FAILURE	400 STATE ROAD 70 WEST Lake Placid, FL 33852
STCERC	ERIC_6682	831	140.13	Higher	GEORGIA PACIFIC, LLC PACKAGING FACILITY	400 STATE ROAD 70 WEST Lake Placid, FL 33852
TANKS	8520366	831	140.13	Higher	GEORGIA-PACIFIC CORP	400 SR 70 W LAKE PLACID, FL 33852
VOLCLNUP	305712	831	140.13	Higher	400 STATE ROAD 70 WEST AST FAILURE	400 STATE ROAD 70 WEST LAKE PLACID, FL 33852
VOLCLNUP	ERIC_13299	831	140.13	Higher	400 STATE ROAD 70 WEST AST FAILURE	400 STATE ROAD 70 WEST Lake Placid, FL
5A						
TANKS	8626671	810	123.04	Higher	AT&T COMMUNICATIONS-CHILDS MICROWAVE	SR 70-1 MI W OF US 27 LAKE PLACID, FL 33960
6A						
NFRAP	FLD070080924	871	133.51	Higher	DOUGLASS FERTILIZER & CHEMICAL	JCT US 27 & SR 70 LAKE PLACID, FL 33852
STCERC	NONE 281	871	133.51	Higher	DOUGLAS FERTILIZER & CHEM	HWY 27 & HWY 70 LAKE PLACID, FL
TANKS	8732475.	871	133.51	Higher	DOUGLASS FERTILIZER & CHEMICAL INC	200 HWY 70 W LAKE PLACID, FL 33852
7A						
LUST	8626328	813	136.95	Higher	CHEVRON #48021-THOMAS	2758 US HWY 27 S LAKE PLACID, FL 338528596
LUST	9046139	813	136.95	Higher	27 TRUCK STOP	2758 US HWY 27 S LAKE PLACID, FL 338528596
TANKS	8626328	813	136.95	Higher	CHEVRON #48021	2758 US HWY 27 S LAKE PLACID, FL 33852
TANKS	9046139	813	136.95	Higher	27 TRUCK STOP	2758 US HWY 27 S LAKE PLACID, FL 33852
8A						
LUST	8519614	779	132.51	Higher	CIRCLE K #2707451	2742 US 27 S LAKE PLACID, FL 33852
STCERC	8519614	779	132.51	Higher	CIRCLE K #2707451	2742 US 27 S LAKE PLACID, FL 33852
TANKS	8519614	779	132.51	Higher	CIRCLE K #2707451	2742 US 27 S LAKE PLACID, FL 33852
TANKS	9818541	779	132.51	Higher	CIRCLE K #2706993	15041 HWY 27 LAKE WALES, FL 33852
9A						
TANKS	8733682	1552	101.47	Higher	LAKE PLACID CARETAKERS INC	HWY 27 S OF HWY 70 LAKE PLACID, FL 33852
10A						
TANKS	8943012	564	49.20	Higher	K-W FARMS	USE 8842476 LAKE PLACID, FL 33852
11A						
SLDWST_NLF	107341	1030	115.00	Higher	JASON'S AUTOMOTIVE AND TOWING	2861 OLD STATE ROAD 8 VENUS, FL 33960

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ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research

Non-Mapped Records Summary Table

This table is a listing of database records that have not been plotted within our mapping system. Detail data reports on any of these sites may be requested and will be sent as an addendum to this report at no additional cost.

Prgm List / Fac ID No	Site Name	Site Address
CERCLIS		
FLN000407534	LAKE PLACID DRUM SPILL	LAKE PLACID, FL
NFRAP		
FLN000407534	LAKE PLACID DRUM SPILL	LAKE PLACID, FL
SEMSACTV		
FLN000407534	LAKE PLACID DRUM SPILL	Postal Address is unavailable for the Site LAKE PLACID, FL

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Agency List Descriptions

USEPA and State Databases are updated on a quarterly basis. Supplemental Databases are updated on an annual basis.

Florida Department of Environmental Protection (FDEP)

State Designated Brownfields(BRWNFLDS)

The FDEP Brownfields database contains a listing of State Designated Brownfield Areas and Brownfield Sites. Brownfields are typically defined as abandoned, idled or underused industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Agency File Date: 1/21/2026 **Received by EDM:** 1/29/2026 **EDM Database Updated:** 1/29/2026

Dry Cleaners List(DRY)

The FDEP Dry Cleaning Facilities List is comprised of data from the FDEP Storage Tank and Contamination Monitoring (STCM) database and the Drycleaning Solvent Cleanup Program- Priority Ranking List. It contains a listing of those Dry Cleaning sites (and suspected historical Dry Cleaning sites) who have registered with the FDEP and/or have applied for the Dry Cleaning Solvent Cleanup Program.

Agency File Date: 1/6/2026 **Received by EDM:** 1/6/2026 **EDM Database Updated:** 1/7/2026

Institutional and/or Engineering Controls(INSTENG)

The FDEP Institutional Controls Registry Database (INSTENG) contains sites that have had Institutional and/or Engineering Controls implemented to regulate exposure to environmental hazards

Agency File Date: 11/3/2025 **Received by EDM:** 11/3/2025 **EDM Database Updated:** 11/3/2025

Leaking Underground Storage Tanks List(LUST)

The FDEP LUST list identifies facilities and/or locations that have notified the FDEP of a possible release of contaminants from petroleum storage systems. This Report is generated from the FDEP Storage Tank and Contamination Monitoring Database (STCM).

Agency File Date: 1/7/2026 **Received by EDM:** 1/7/2026 **EDM Database Updated:** 1/12/2026

Solid Waste Facilities List_Landfills(SLDWST_LF)

The SLDWST_LF list identifies locations that have conducted solid waste landfill activities as determined by the applicable FDEP Facility Classifications. Sites listed with "##" after the Facility ID Number are historical locations, obtained from documents on record at local agencies.

Agency File Date: 1/12/2026 **Received by EDM:** 1/12/2026 **EDM Database Updated:** 1/13/2026

Solid Waste Facilities List_Non-Landfills(SLDWST_NLF)

The SLDWST_NLF list identifies locations that have conducted solid waste handling activities other than landfilling, as determined by the applicable FDEP Facility Classifications, such as Transfer Stations, Disaster Debris Staging Areas and sites handling Bio-Hazardous wastes. Sites listed with "##" after the Facility ID Number are historical locations, obtained from documents on record at local agencies.

Agency File Date: 1/12/2026 **Received by EDM:** 1/12/2026 **EDM Database Updated:** 1/13/2026

State CERCLIS/SEMS Equivalent(STCERC)

The STCERC list is compiled from the FDEP Site Investigation Section list, the Florida SITES list(historical) and the FDEP Cleanup Sites list. These sites are being assessed and/or cleaned up as a result of identified or suspected contamination from the release of hazardous substances. The FDEP Cleanup Sites list programs include: Brownfields, Petroleum, EPA Superfund (CERCLA), Drycleaning, Responsible Party Cleanup, State Funded Cleanup, State Owned Lands Cleanup and Hazardous Waste Cleanup.

Agency File Date: 1/12/2026 **Received by EDM:** 1/29/2026 **EDM Database Updated:** 1/29/2026

State NPL Equivalent(STNPL)

The FDEP State Funded Cleanup list contains facilities and/or locations where there are no viable responsible parties; the site poses an imminent hazard; and the site does not qualify for Superfund or is a low priority for EPA. Remedial efforts at these sites are currently being addressed through State funded cleanup action.

Agency File Date: 1/12/2026 **Received by EDM:** 1/12/2026 **EDM Database Updated:** 1/12/2026

ERIC PFAS Sites(STPFAS)

The FDEP ERIC PFAS Sites list contains sites that are being investigated to determine potential sources and environmental impacts related to per- and polyfluoroalkyl substances (PFAS).

Agency File Date: 1/29/2026 **Received by EDM:** 1/29/2026 **EDM Database Updated:** 1/29/2026

Underground/Aboveground Storage Tanks(TANKS)

The FDEP TANKS list contains sites with registered aboveground and underground storage tanks containing regulated petroleum products.

Agency File Date: 1/15/2026 **Received by EDM:** 1/15/2026 **EDM Database Updated:** 1/16/2026

Voluntary Cleanup List(VOLCLNUP)

The VOLCLNUP List is derived from the FDEP Brownfields Site Rehabilitation Agreement (BSRA) database, the FDEP ERIC Waste Cleanup database and the FDEP Office of Waste Cleanup Responsible Party Sites database (not available as of June 2021). The VOLCLNUP List identifies sites that have signed an agreement to Voluntarily cleanup a site and/or sites where legal responsibility for site rehabilitation exists pursuant to Florida Statutes and is being conducted either voluntarily or pursuant to enforcement activity.

Agency File Date: 1/5/2026 **Received by EDM:** 1/6/2026 **EDM Database Updated:** 1/6/2026

United States Environmental Protection Agency (EPA)

Comp Env Resp, Compensation & Liability Info Sys List(CERCLIS)

The US EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database tracks potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are proposed to be on the NPL, are on the NPL and sites that are in the screening and assessment phase for possible inclusion on the NPL. The CERCLIS database was retired in November of 2013 and has been replaced by the Superfund Enterprise Management System (SEMS).

Agency File Date: 11/12/2013 **Received by EDM:** 2/18/2016 **EDM Database Updated:** 2/18/2016

RCRIS Handlers with Corrective Action(CORRACTS)

The US EPA Corrective Action Sites (CORRACTS) database is a listing of hazardous waste handlers that have undergone RCRA corrective action activity.

Agency File Date: 2/1/2026 **Received by EDM:** 2/2/2026 **EDM Database Updated:** 2/2/2026

Archived Cerclis Sites(NFRAP)

The US EPA NFRAP list contains archived data of CERCLIS records where the EPA has completed assessment activities and determined that no further steps to list the site on the NPL will be taken. NFRAP sites may be reviewed in the future to determine if they should be returned to CERCLIS based upon newly identified contamination problems at the site. The NFRAP database was retired in November of 2013 and has been replaced by the Superfund Enterprise Management System (SEMS) .

Agency File Date: 10/25/2013 **Received by EDM:** 2/18/2016 **EDM Database Updated:** 2/18/2016

National Priorities List(NPL)

The US EPA National Priorities List (NPL) contains facilities and/or locations where environmental contamination has been confirmed and prioritized for cleanup activities under the Superfund Program. EDM's NPL Report includes sites that are currently on the NPL as well as sites that have been Proposed, Withdrawn and/or Deleted from the list. Previously, information for the NPL was managed under the CERLIS data management system. In 2014 this system was replaced with the Superfund Enterprise Management System (SEMS). EPA last updated CERCLIS in November of 2013. EDM's NPL Report contains available SEMS data and the archived CERCLIS data relative to NPL sites.

Agency File Date: 10/30/2025 **Received by EDM:** 11/11/2025 **EDM Database Updated:** 11/11/2025

NPL Liens List(NPLLIENS)

The US EPA NPL Liens List identifies those sites where under authority granted by CERCLA, liens have been filed against real property in order to recover expenditures from remedial action or when the property owner receives a notice of potential liability.

Agency File Date: 10/30/2025 **Received by EDM:** 11/3/2025 **EDM Database Updated:** 11/3/2025

SEMS Active Site Inventory List(SEMSACTV)

The US EPA Superfund Enterprise Management System (SEMS) tracks potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. The SEMSACTV list contains sites that are on the National Priorities List (NPL) as well as sites that are prosposed for or in the screening and assessment phase for possible inclusion on the NPL. SEMS has replaced the CERCLIS database, which was retired in November of 2013.

Agency File Date: 10/30/2025 **Received by EDM:** 11/3/2025 **EDM Database Updated:** 11/3/2025

SEMS Archived Site Inventory List(SEMSARCH)

The US EPA Superfund Enterprise Management System (SEMS), contains archived data of CERCLIS or SEMS records where the EPA has completed assessment activities and determined that no further steps to list the site on the NPL will be taken. These sites may be reviewed in the future to determine if they should be returned to SEMS based upon newly identified contamination problems at the site. SEMS has replaced the CERCLIS database, which was retired in November of 2013. The SEMSARCH database contains these newly archived records under the SEMS database management system.

Agency File Date: 10/30/2025 **Received by EDM:** 11/3/2025 **EDM Database Updated:** 11/3/2025

Tribal Lust List(TRIBLLUST)

EDM's Tribal LUST list is derived from the USEPA Region IV Tribal Tanks database by extracting those sites with indicators of past and/or current releases.

Agency File Date: 4/21/2025 **Received by EDM:** 8/20/2025 **EDM Database Updated:** 8/22/2025

Tribal Tanks List(TRIBLTANKS)

The USEPA Region IV Tribal Tanks database lists Active and Closed storage tank facilities on Native American lands.

Agency File Date: 4/21/2025 **Received by EDM:** 8/20/2025 **EDM Database Updated:** 8/22/2025

Brownfields Management System(USBRWNFLDS)

The US EPA Brownfields program provides information on environmentally distressed properties that have received Grants or Targeted funding for cleanup and redevelopment . Tribal Brownfield sites are included in the USBRWNFLDS database.

Agency File Date: 11/3/2025 **Received by EDM:** 11/3/2025 **EDM Database Updated:** 11/3/2025

Institutional and/or Engineering Controls(USINSTENG)

The USINSTENG list is compiled from data elements contained in the NPL, CORRACTS, USBRWNFLDS and RCRAInfo databases.

Agency File Date: 10/26/2025 **Received by EDM:** 11/12/2025 **EDM Database Updated:** 11/12/2025

Environmental Impact Areas

Brownfield Areas and Sites

The FDEP Brownfields database contains a listing of State Designated Brownfield Areas and Brownfield Sites. Brownfields are typically defined as abandoned, idled or underused industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Agency File Date: 1/21/2026 **Received by EDM:** 1/29/2026 **EDM Database Updated:** 1/29/2026

https://floridadep.gov/waste/waste-cleanup/content/brownfields-program

Cattle Dipping Vats

From the 1910's through the 1950's, vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. Other pesticides such as DDT where also widely used. By State law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Under certain circumstances, the arsenic and other pesticides remaining at the site may present an environmental or public health hazard.

Some of the sites have been located and are currently under investigation. However, most of the listings are from old records of the State Livestock Board, which listed each vat as it was put into operation. In addition, some privately operated vats may have existed which were not listed by the Livestock Board. EDM's Cattle Dipping Vat sites are retrieved from the Voluntary Cleanup and STCERC datablases. For additional information on Cattle Dipping Vats visit the FDEP and FDOH websites at:

Agency File Date: 10/31/2018 **Received by EDM:** 1/25/2019 **EDM Database Updated:** 1/25/2019

https://floridadep.gov/waste/district-business-support/content/cattle-dipping-vats-cdv

http://www.floridahealth.gov/environmental-health/drinking-water/cattledipvathome.html

Formerly Used Defense Sites

The DoD is responsible for the environmental restoration of properties that were formerly owned by, leased to or otherwise possessed by the United States and operated under the jurisdiction of the Secretary of Defense prior to October 1986. Such properties are known as Formerly Used Defense Sites (FUDS). The Army is the executive agent for the program and the U.S. Army Corps of Engineers manages and directs the program's administration. For more information on the FUDS Program, including maps and data on individual sites, visit the Army Corps of Engineers website at:

Agency File Date: 5/29/2018 **Received by EDM:** 1/25/2019 **EDM Database Updated:** 1/25/2019

http://www.usace.army.mil/Missions/Environmental/Formerly-Used-Defense-Sites/

FUDS Munitions Response Sites

The DoD developed the Military Munitions Response Program (MMRP) in 2001 to addresses munitions-related concerns, including explosive safety, environmental, and health hazards from releases of unexploded ordnance (UXO), discarded military munitions (DDM), and munitions constituents (MC) found at locations, other than operational ranges, on active and Base Realignment and Closure (BRAC) installations and Formerly Used Defense Sites (FUDS) properties. The MMRP addresses non-operational range lands with suspected or known hazards from munitions and explosives of concern (MEC) which occurred prior to September 2002, but are not already included with an Installation Response Program (IRP) site cleanup activity. For more information on the FUDS MMRP Program, including maps and data on individual sites, visit the Army Corps of Engineers website at:

Agency File Date: 5/14/2018 **Received by EDM:** 1/25/2019 **EDM Database Updated:** 1/25/2019

http://www.asaie.army.mil/Public/ESOH/mmrp.html

Groundwater Contamination Areas

The Ground Water Contamination Areas GIS layer is a statewide map showing the boundaries of delineated areas of known groundwater contamination pursuant to Chapter 62-524, F.A.C., New Potable Water Well Permitting In Delineated Areas. 38 Florida counties have been delineated primarily for the agricultural pesticide ethylene dibromide (EDB), and to a much lesser extent, volatile organic and petroleum contaminants. This GIS layer represents approximately 427,897 acres in 38 counties in Florida that have been delineated for groundwater contamination. However, it does not represent all known sources of groundwater contamination for the state of Florida.

This information is intended to be used by regulatory agencies issuing potable water well construction permits in areas of ground water contamination to protect public health and the ground water resource. 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.

Agency File Date: 2/23/2024 **Received by EDM:** 3/1/2024 **EDM Database Updated:** 3/1/2024

https://floridadep.gov/water/source-drinking-water/content/delineated-areas

Institutional Controls

The FDEP Institutional Controls GIS layer is a statewide map showing the approximate boundaries of delineated areas where Institutional Controls are in place.

An institutional control provides for certain restrictions on a property. For example, a site may be cleaned up to satisfy commercial contamination target levels and an institutional control may be placed on that property indicating that it may only be used for commercial activities. If the owner of the property ever wanted to use that property for residential purposes, the owner would have to ensure that any contamination meets residential target levels.

The locational data for this layer is provided by the responsible party and reviewed by FDEP staff. Neither FDEP or EDM assumes respondibility for the accuracy of the boundary data.

Agency File Date: 11/3/2025 **Received by EDM:** 11/3/2025 **EDM Database Updated:** 11/3/2025

https://ca.dep.state.fl.us/mapdirect/?webmap=cff8d21797184421ab4763d3e4a01e48

National Priorities List

The US EPA National Priorities List (NPL) contains facilities and/or locations where environmental contamination has been confirmed and prioritized for cleanup activities under the Superfund Program. EDM's NPL site boundaries data include sites that are currently on the NPL as well as sites that have been Proposed, Withdrawn and/or Deleted from the list.

Agency File Date: 11/14/2018 **Received by EDM:** 12/10/2018 **EDM Database Updated:** 1/22/2019

https://www.epa.gov/superfund/search-superfund-sites-where-you-live

Solid Waste Facilities

The FDEP SLDWST list identifies locations that have been permitted to conduct solid waste handling activities.

Agency File Date: 1/12/2026 **Received by EDM:** 1/12/2026 **EDM Database Updated:** 1/13/2026

https://floridadep.gov/waste

State Funded Cleanup Sites

The FDEP State Funded Cleanup list contains facilities and/or locations where there are no viable responsible parties; the site poses an imminent hazard; and the site does not qualify for Superfund or is a low priority for EPA. Remedial efforts at these sites are currently being addressed through State funded cleanup action.

Agency File Date: 6/1/2025 **Received by EDM:** 6/10/2025 **EDM Database Updated:** 6/10/2025

https://floridadep.gov/waste/waste-cleanup/documents/state-funded-cleanup-program-site-list

APPENDIX C

Aerial Photographs

Historical Aerial Photograph Report

Subject Property:

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

Prepared For:

Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Prepared By:

Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770

February 21, 2026

Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770
(727) 586-1700
http://www.edm-net.com

February 21, 2026

Chris Garth
Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Subject: **Historical Aerial Photos-- EDM Project #: 27544**
Client Project# 6511-24-002E

Dear Mr. Garth:

Thank you for choosing Environmental Data Management, Inc. The following report contains a series of Historical Aerial Photographic images for the following location:

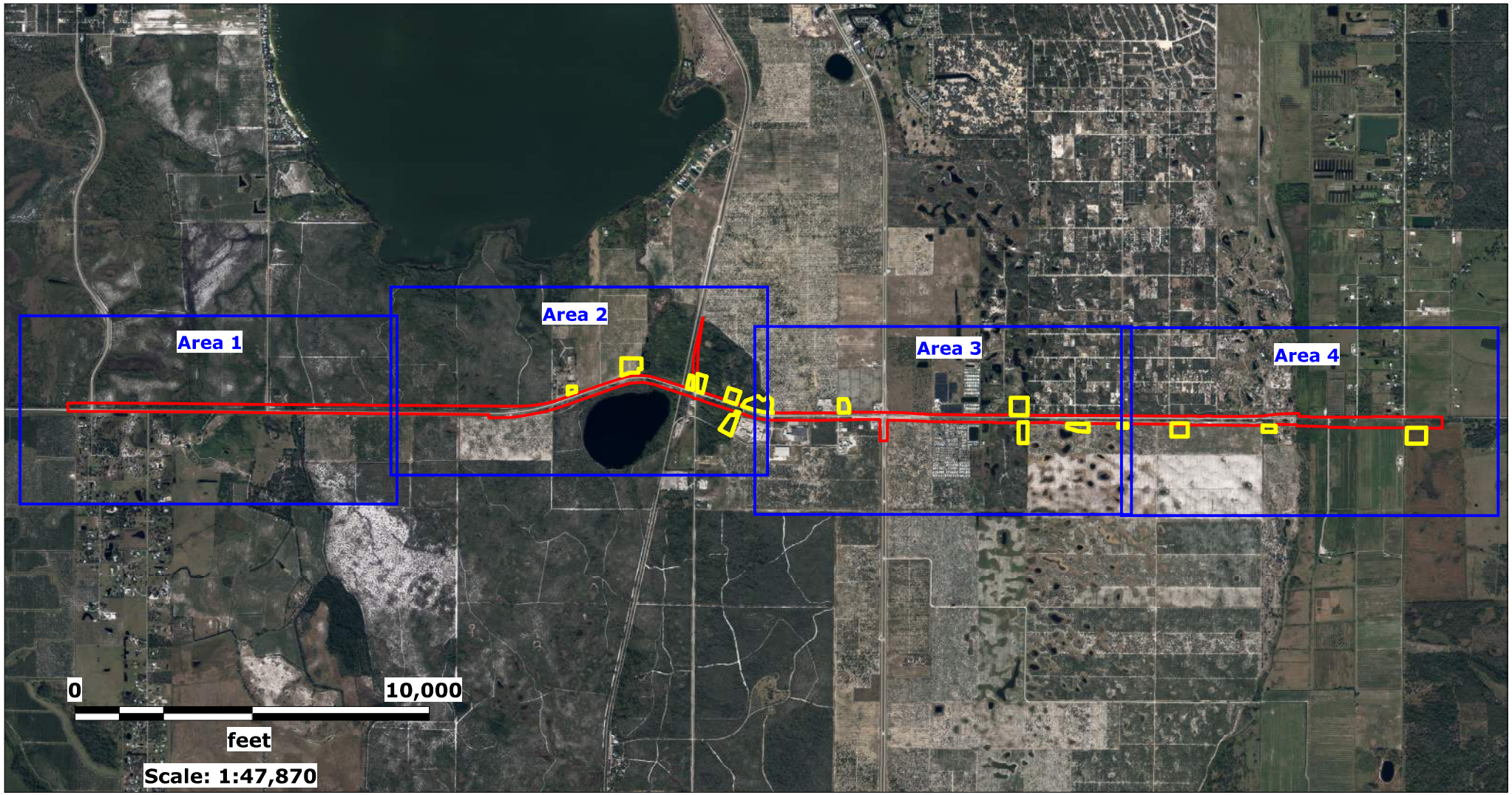
SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

These images were selected to provide you with an aerial photographic record of this location at approximate ten year intervals and/or one photograph per decade, where available.

Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

ENVIRONMENTAL DATA MANAGEMENT, INC.

Aerial Photo Index Map



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

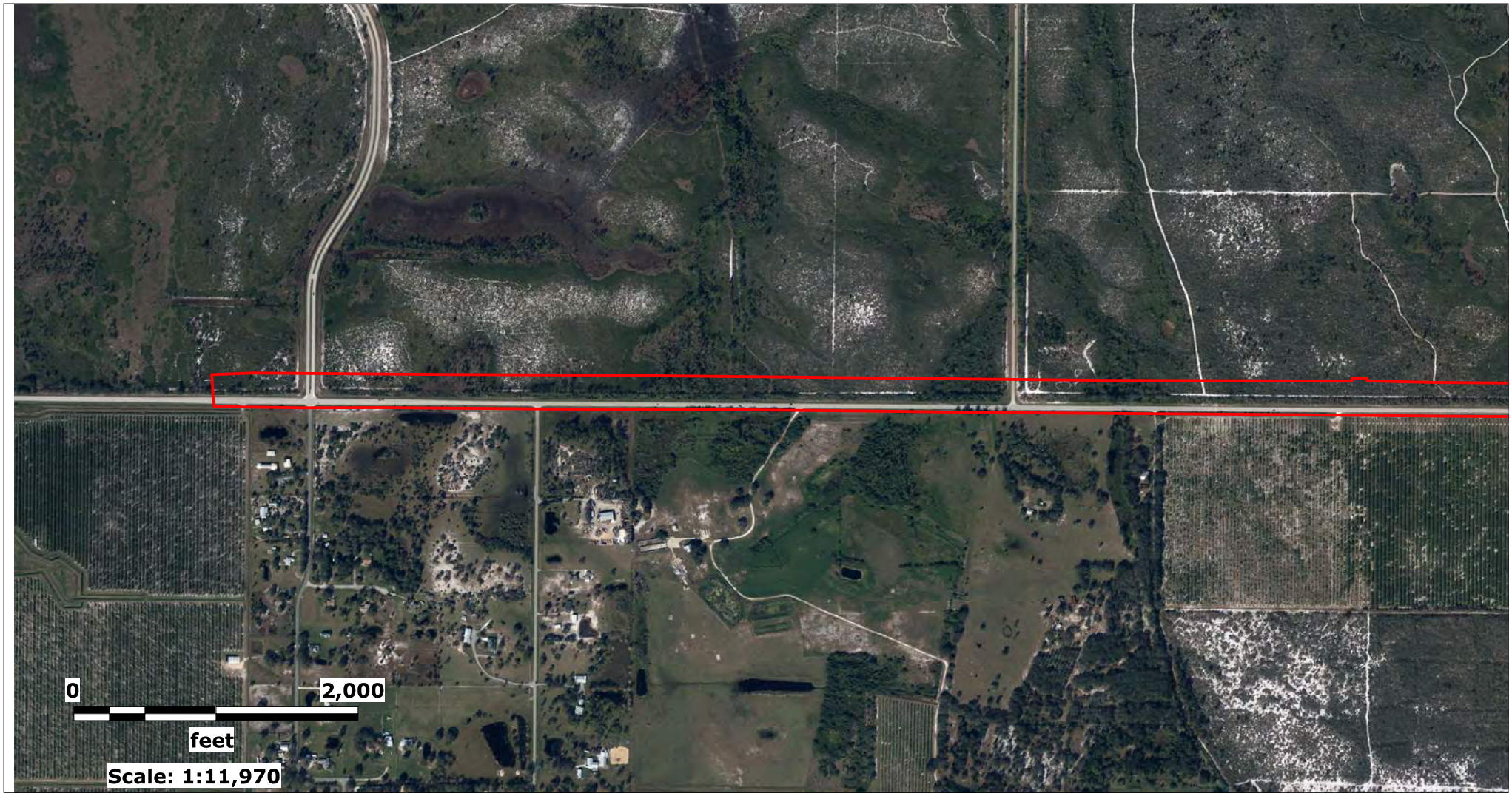
Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
2023



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 1

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

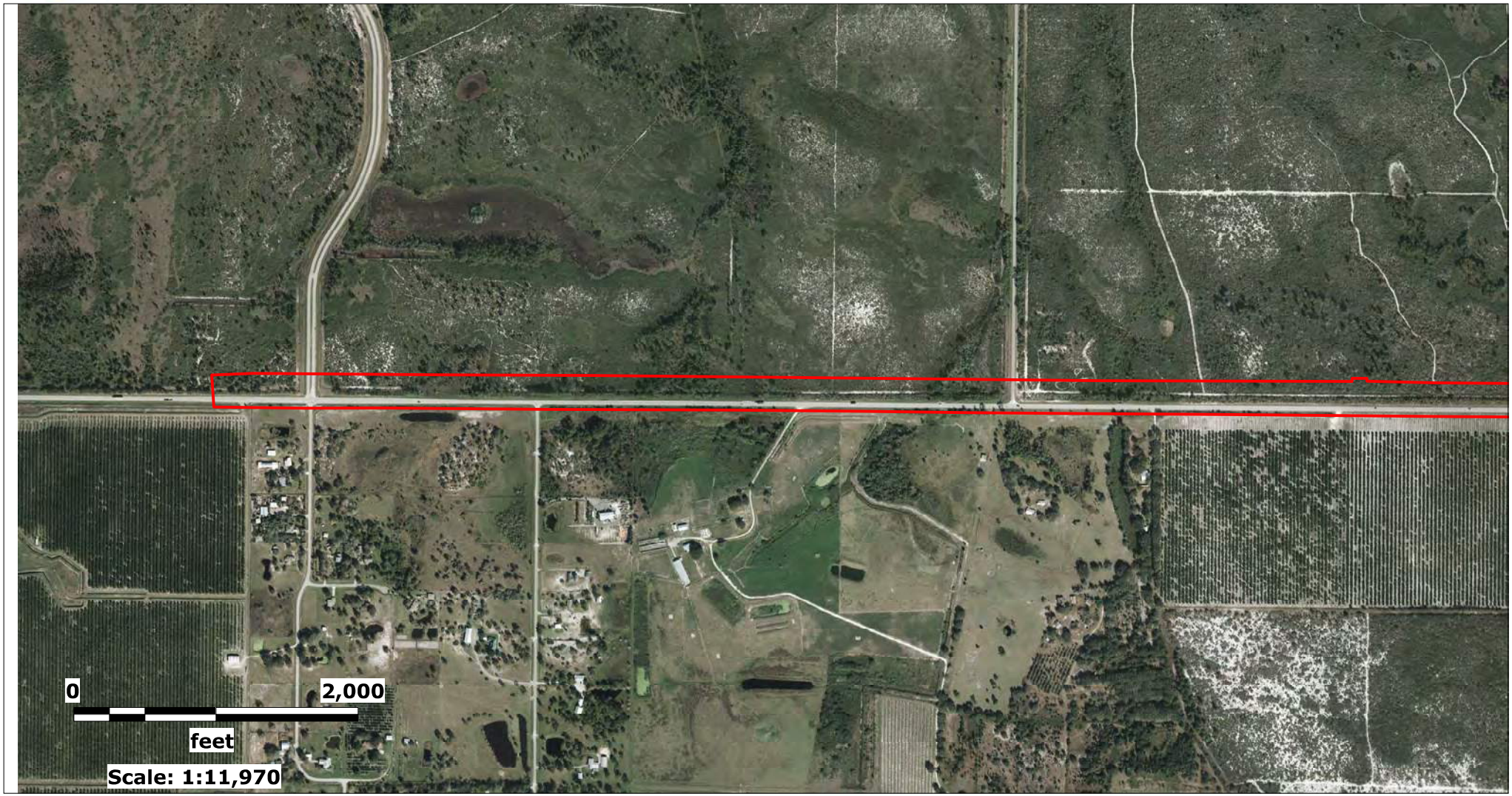
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Approximate Site Location
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Approximate Site Location
Pond Sites

Aerial Photo Image
2014



Source: Florida Department of Transportation

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Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
2005



Source: Florida Department of Transportation

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Approximate Site Location
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Pond Sites

Aerial Photo Image
1993



Source: Florida Department of Transportation

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Approximate Site Location
Roadway R/W

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Pond Sites

Aerial Photo Image
1981



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 1

SR 70 Seg 12 & 13
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Highlands County, Florida

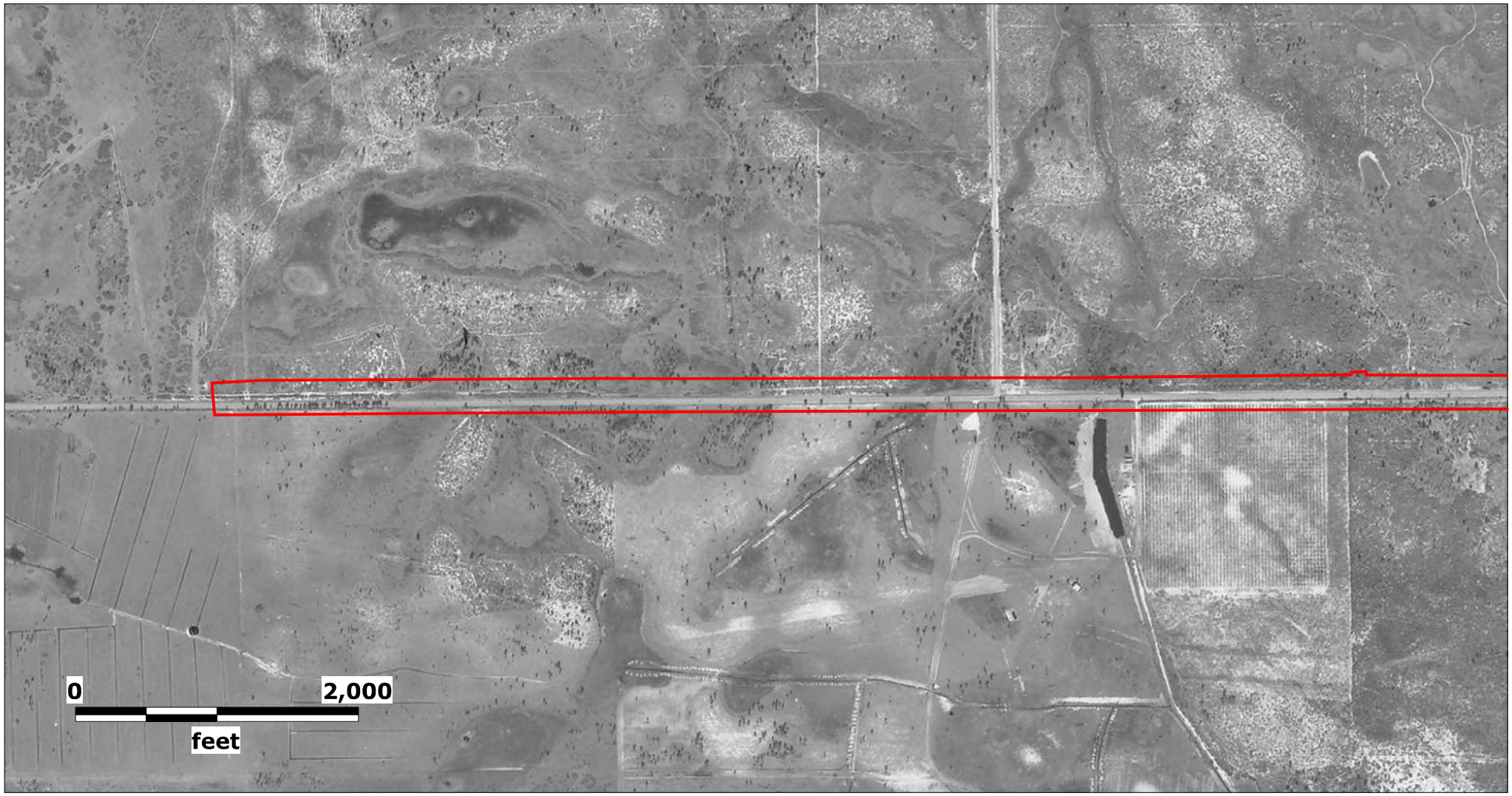
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Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1970



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 1

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

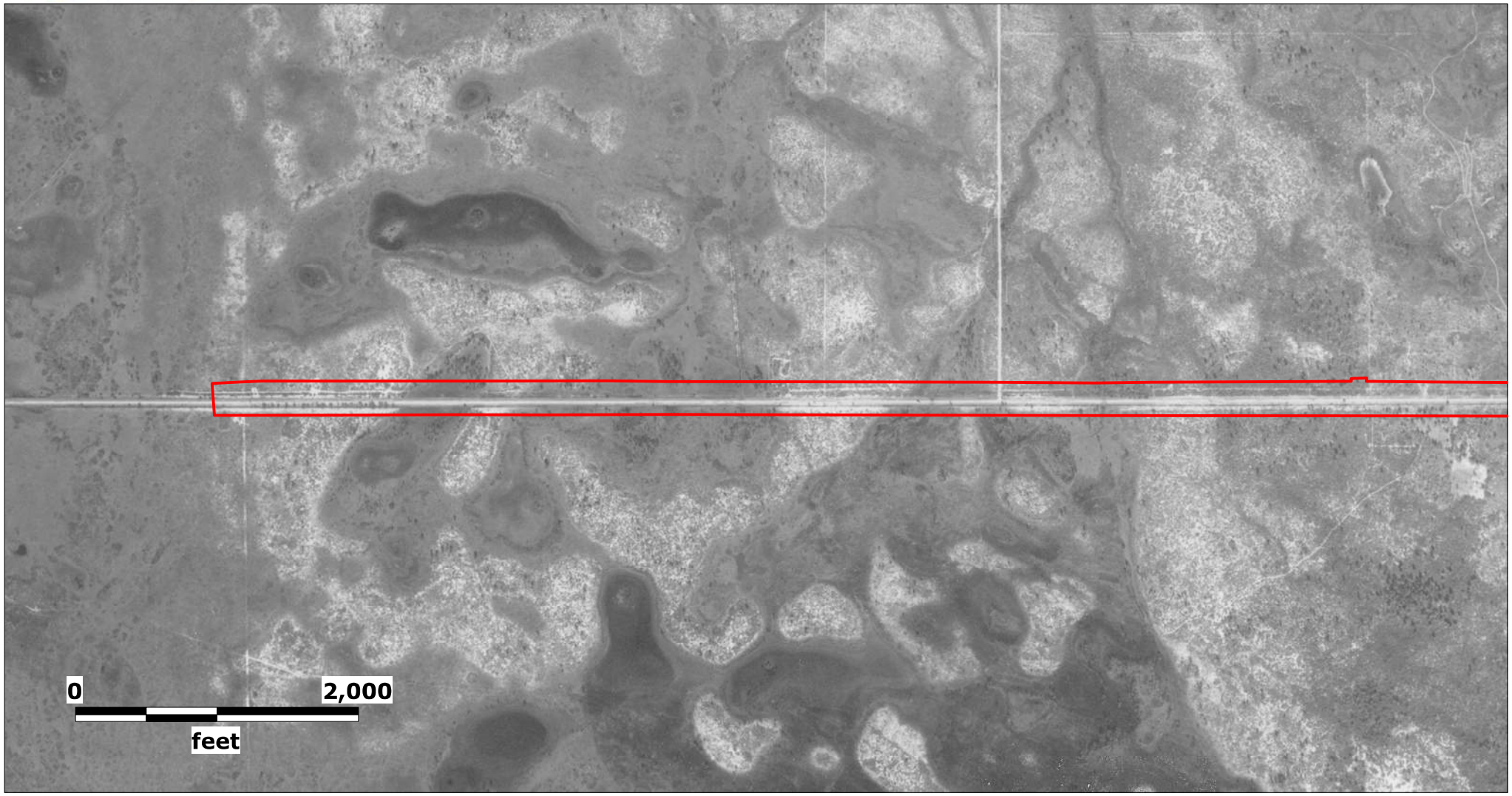
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Approximate Site Location
Roadway R/W

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Aerial Photo Image
1957



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 1

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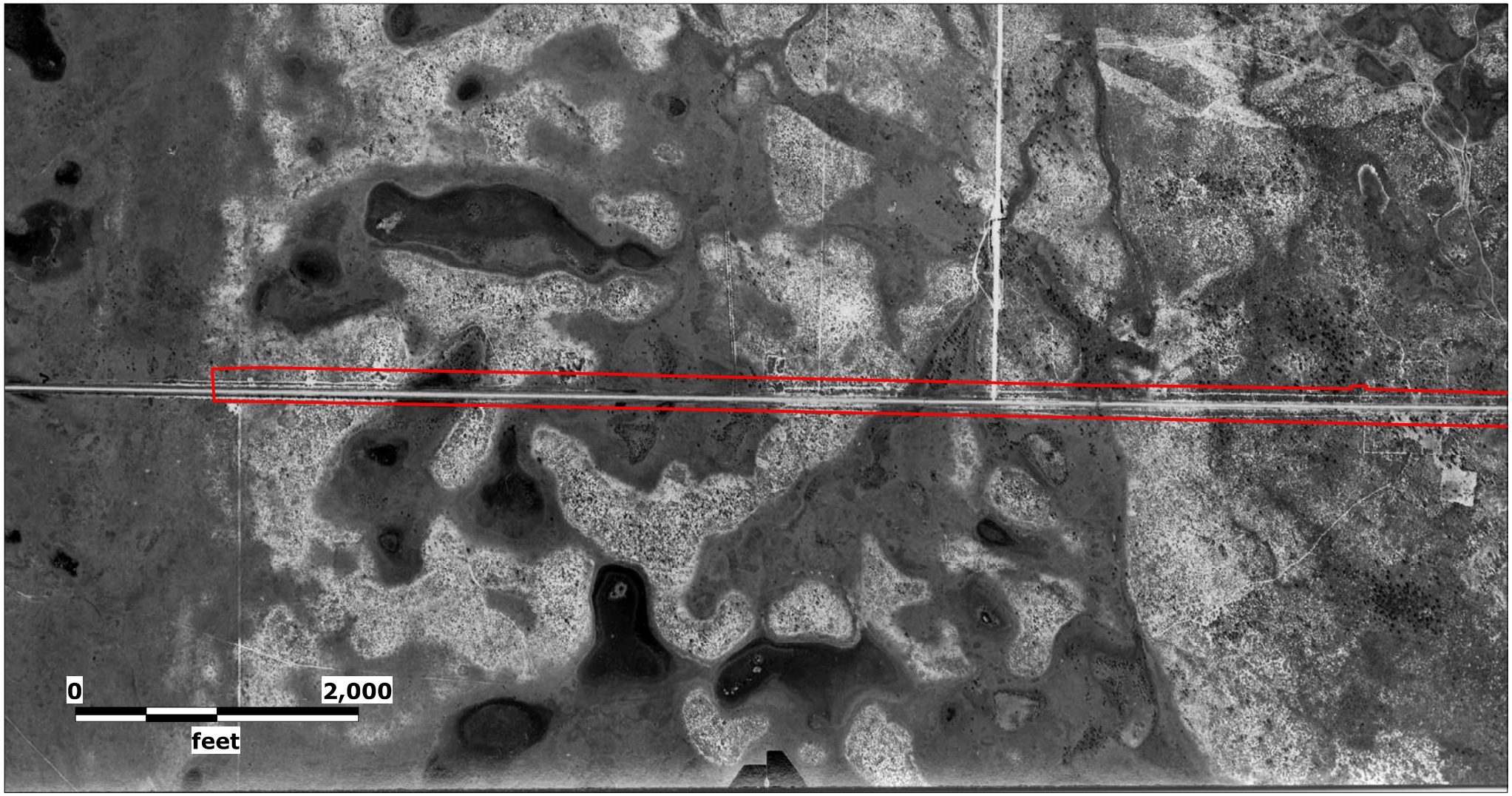
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Approximate Site Location
Roadway R/W

Approximate Site Location
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Aerial Photo Image
1952



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 1

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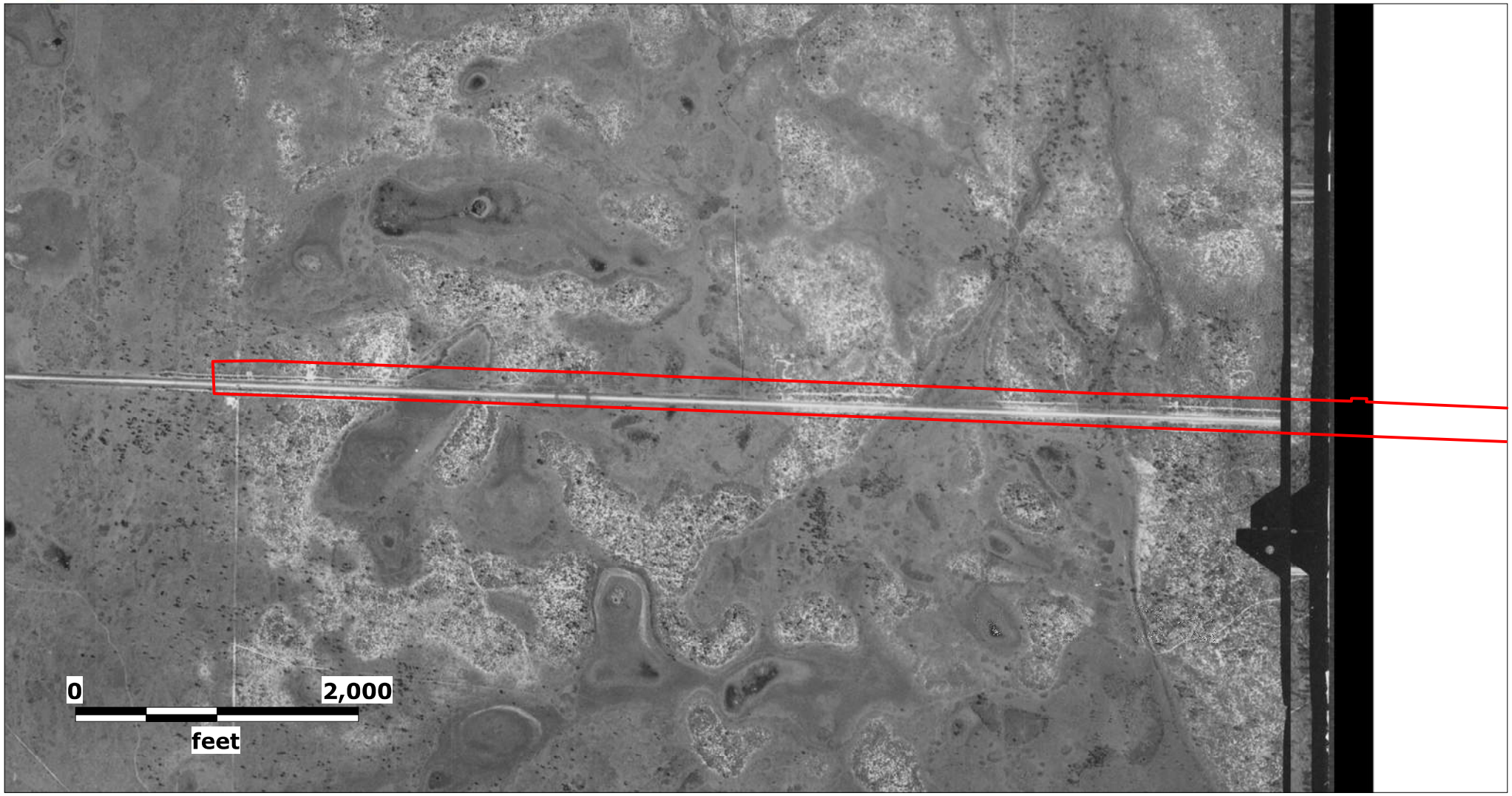
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Approximate Site Location
Roadway R/W

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Pond Sites

Aerial Photo Image
1944



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 1

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Roadway R/W and Pond Sites
Highlands County, Florida

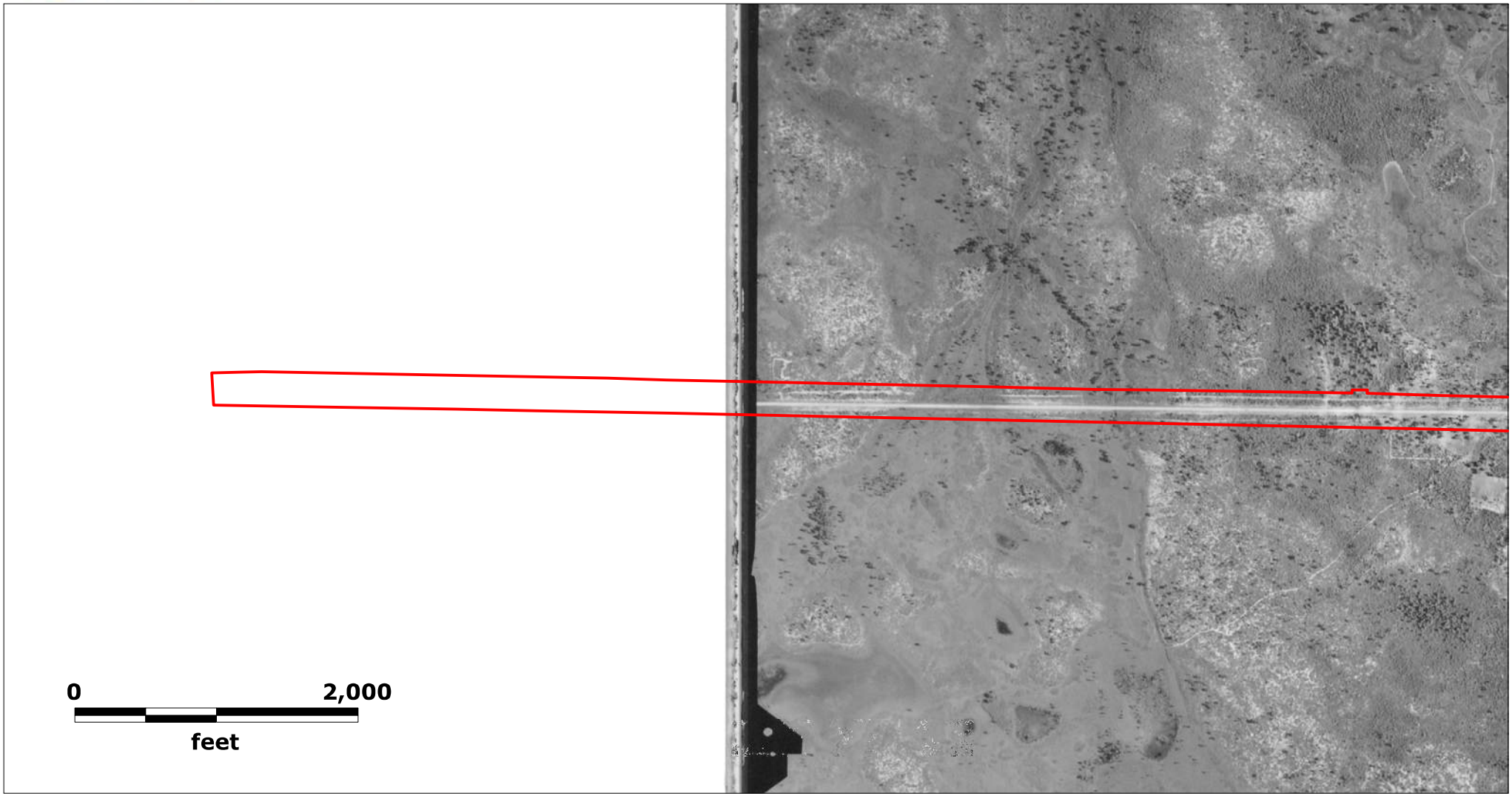
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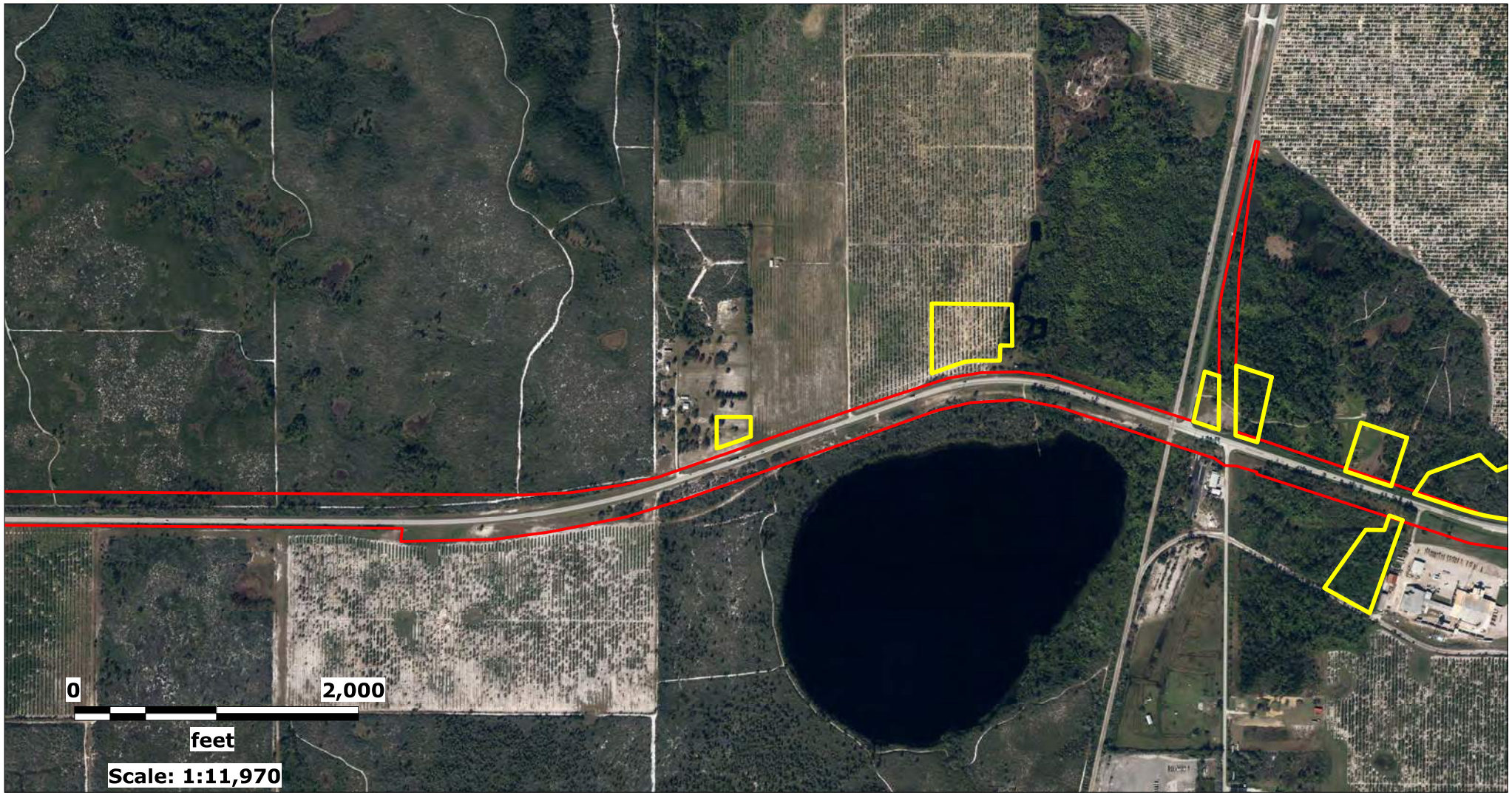
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Approximate Site Location
Roadway R/W

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Aerial Photo Image
2023



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 2

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

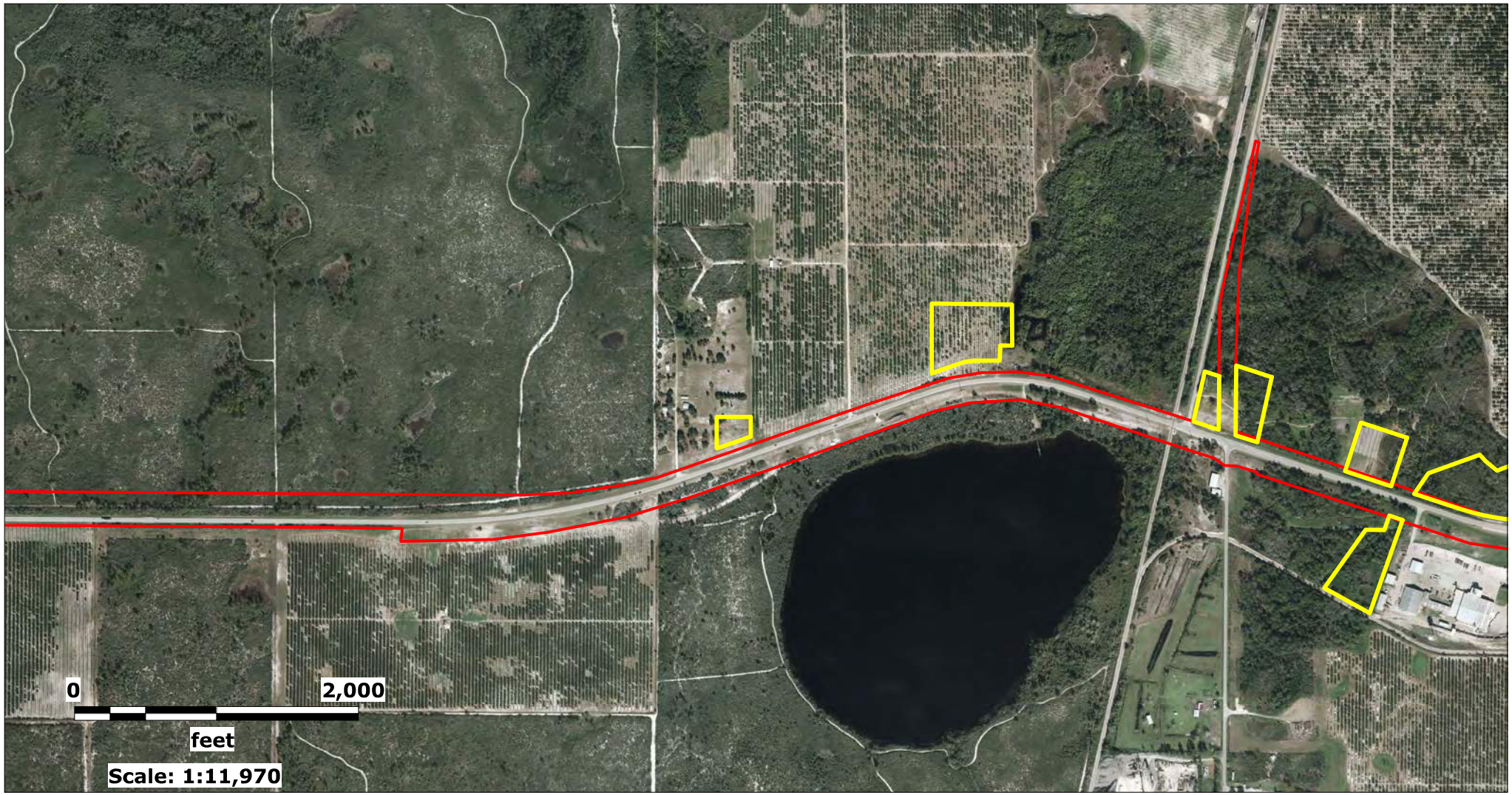
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February 20, 2026

Approximate Site Location
Roadway R/W

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Pond Sites

Aerial Photo Image
2014



Source: Florida Department of Transportation

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Approximate Site Location
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Aerial Photo Image
2005



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Highlands County, Florida

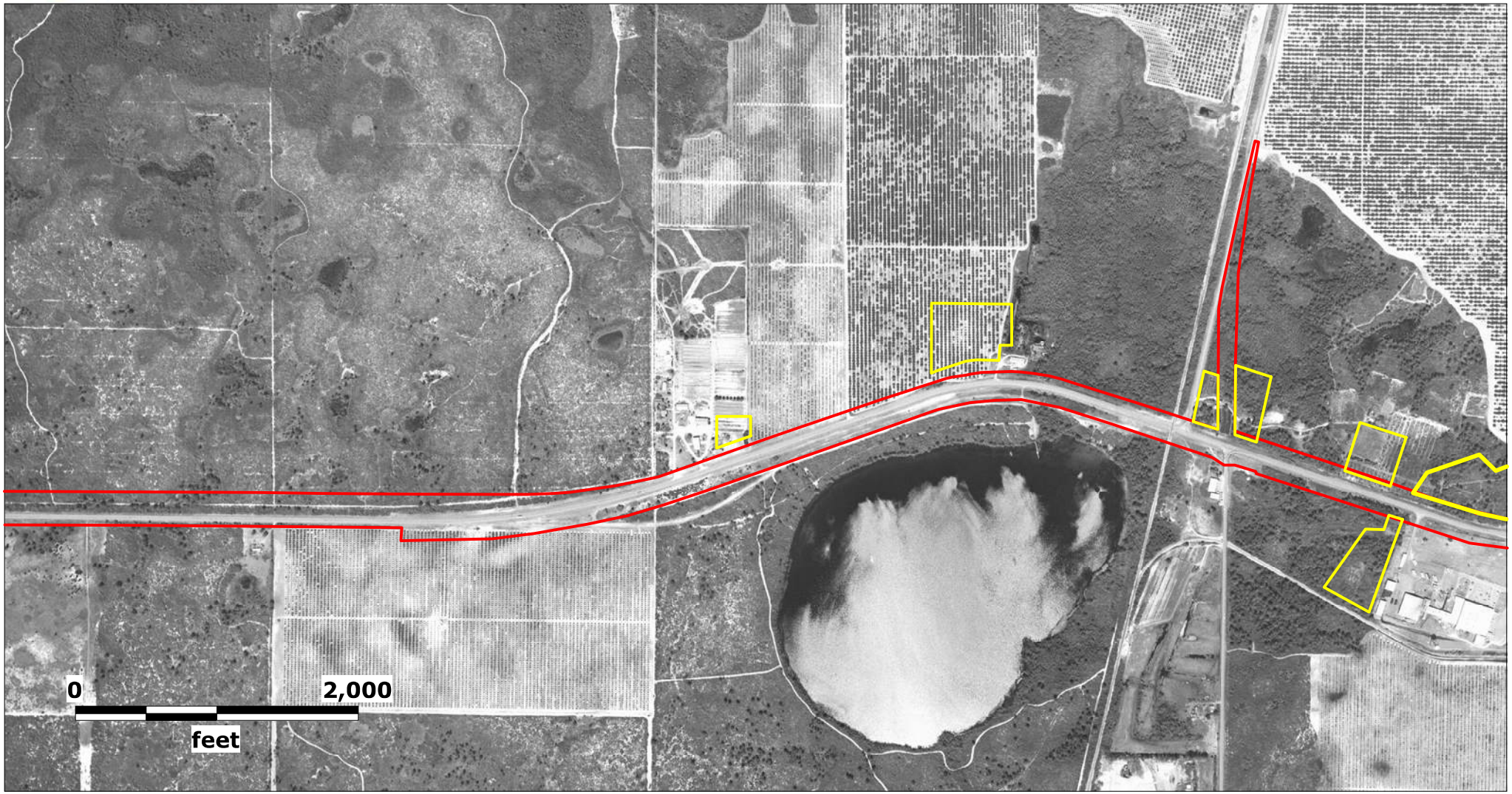
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February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1993



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 2

SR 70 Seg 12 & 13
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Highlands County, Florida

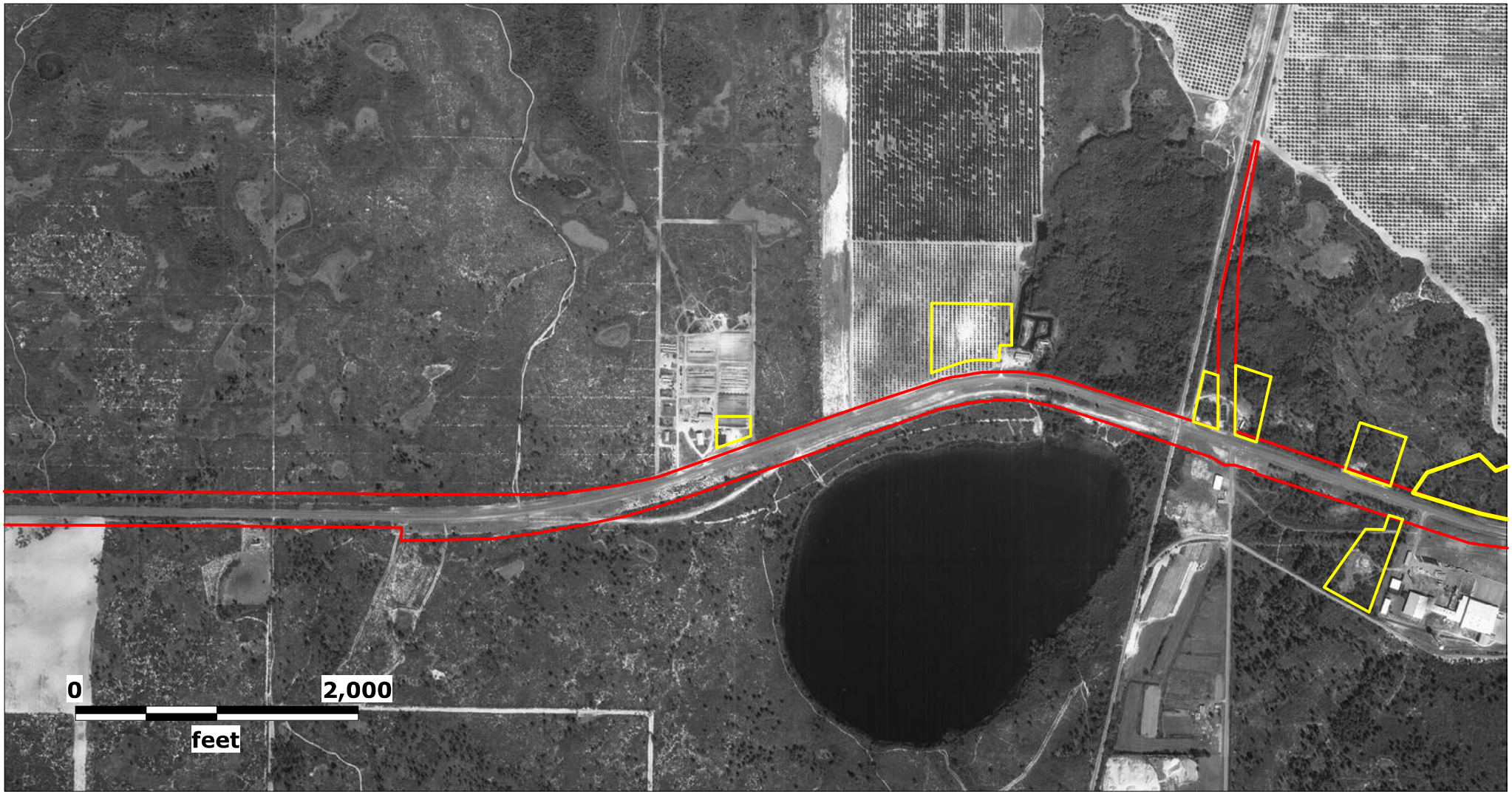
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Approximate Site Location
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Aerial Photo Image
1981



Source: Florida Department of Transportation

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Approximate Site Location
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Aerial Photo Image
1970



Source: University of Florida

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Highlands County, Florida

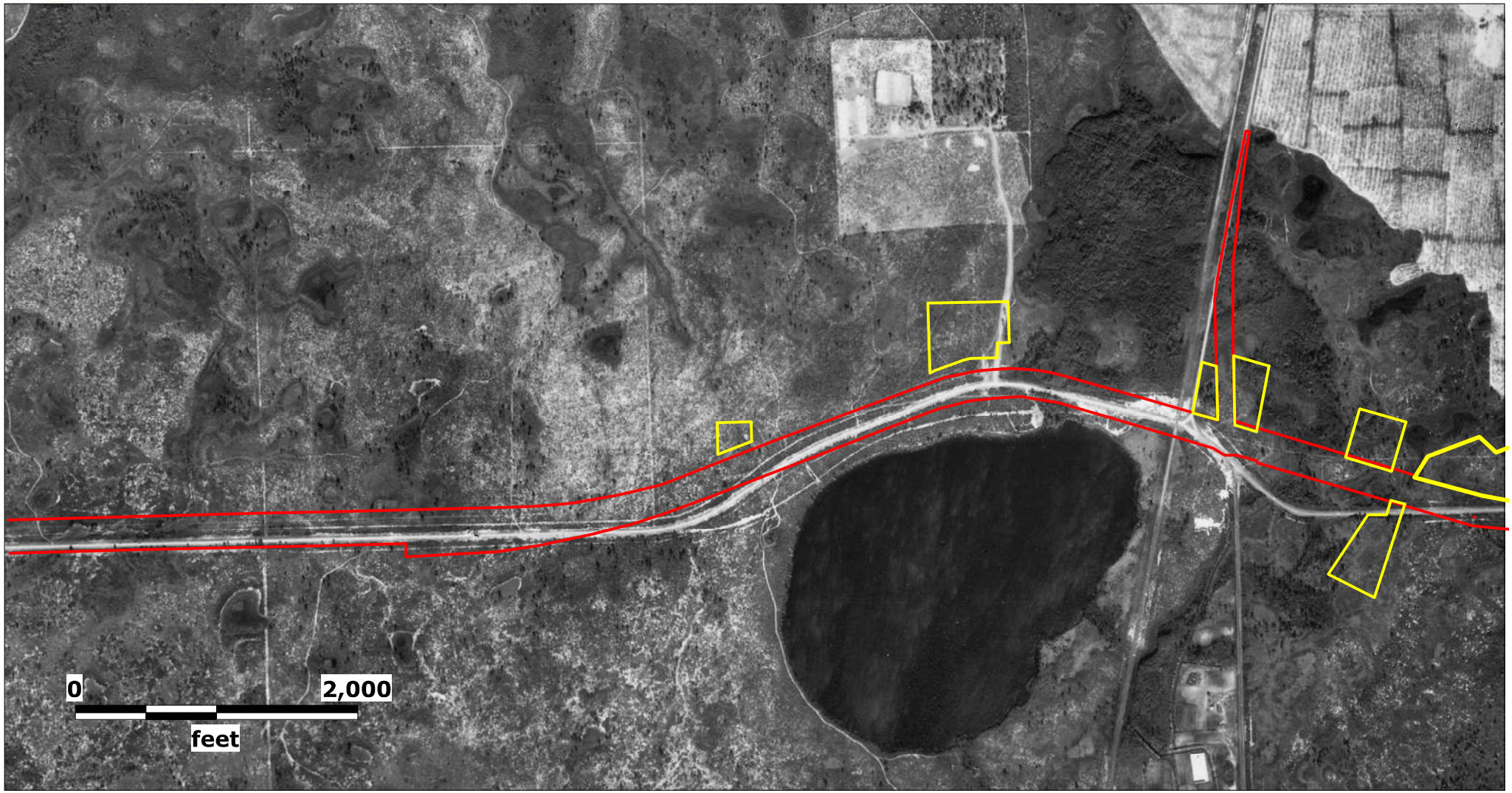
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February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1957



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 2

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

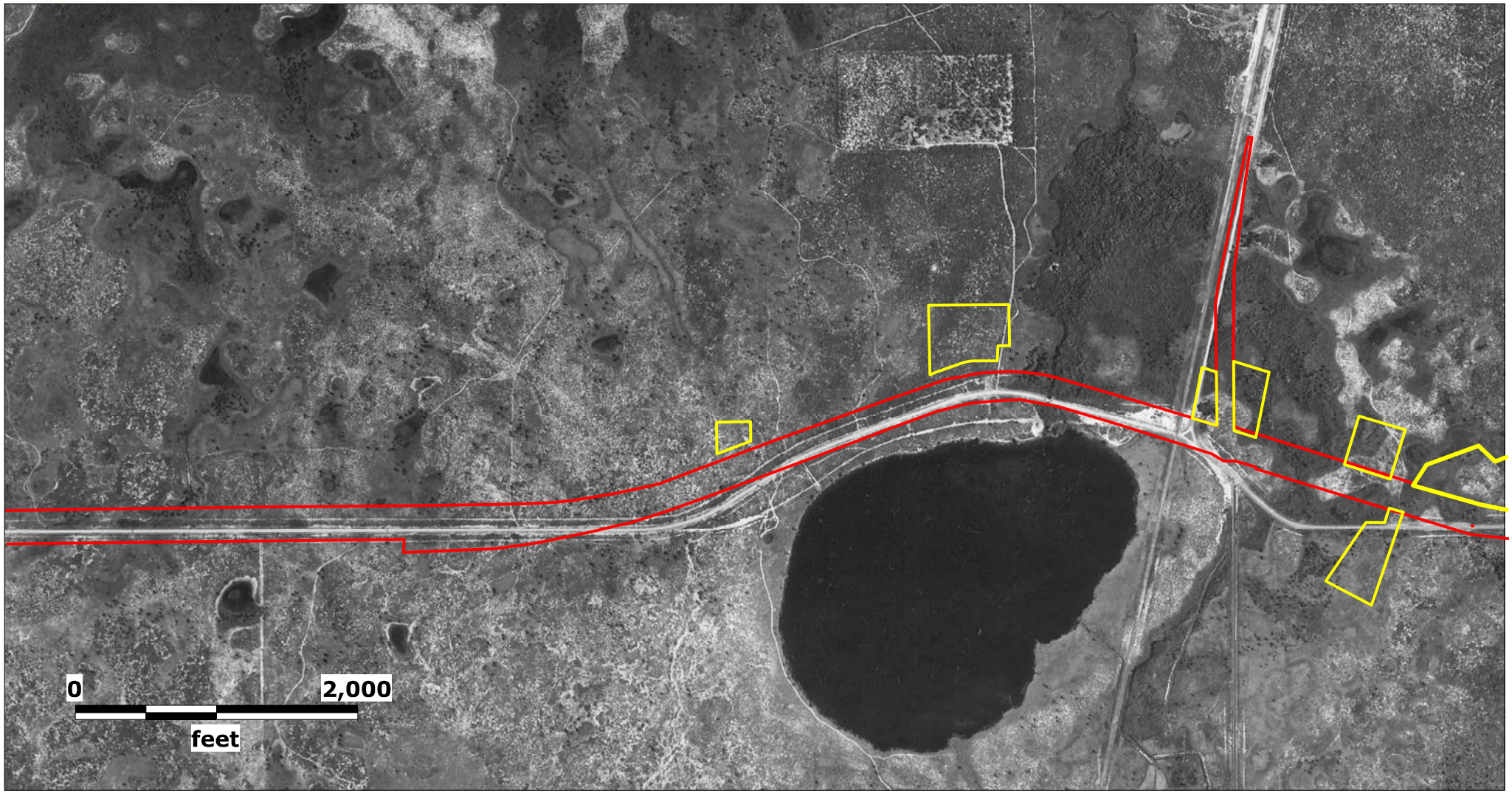
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Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1952



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 2

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

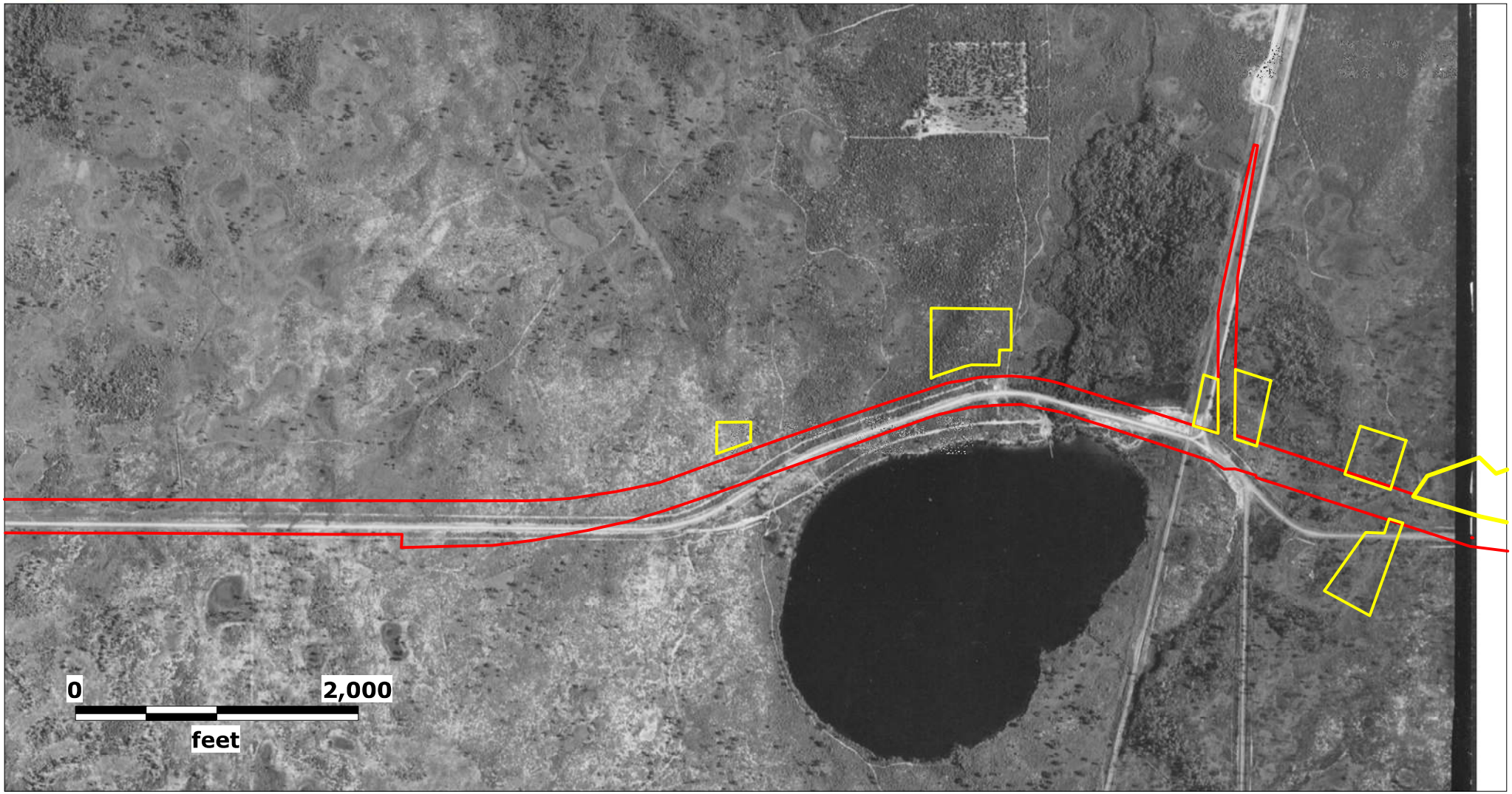
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Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1944



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 2

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February 20, 2026

Approximate Site Location
Roadway R/W

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Aerial Photo Image
1944



Source: University of Florida

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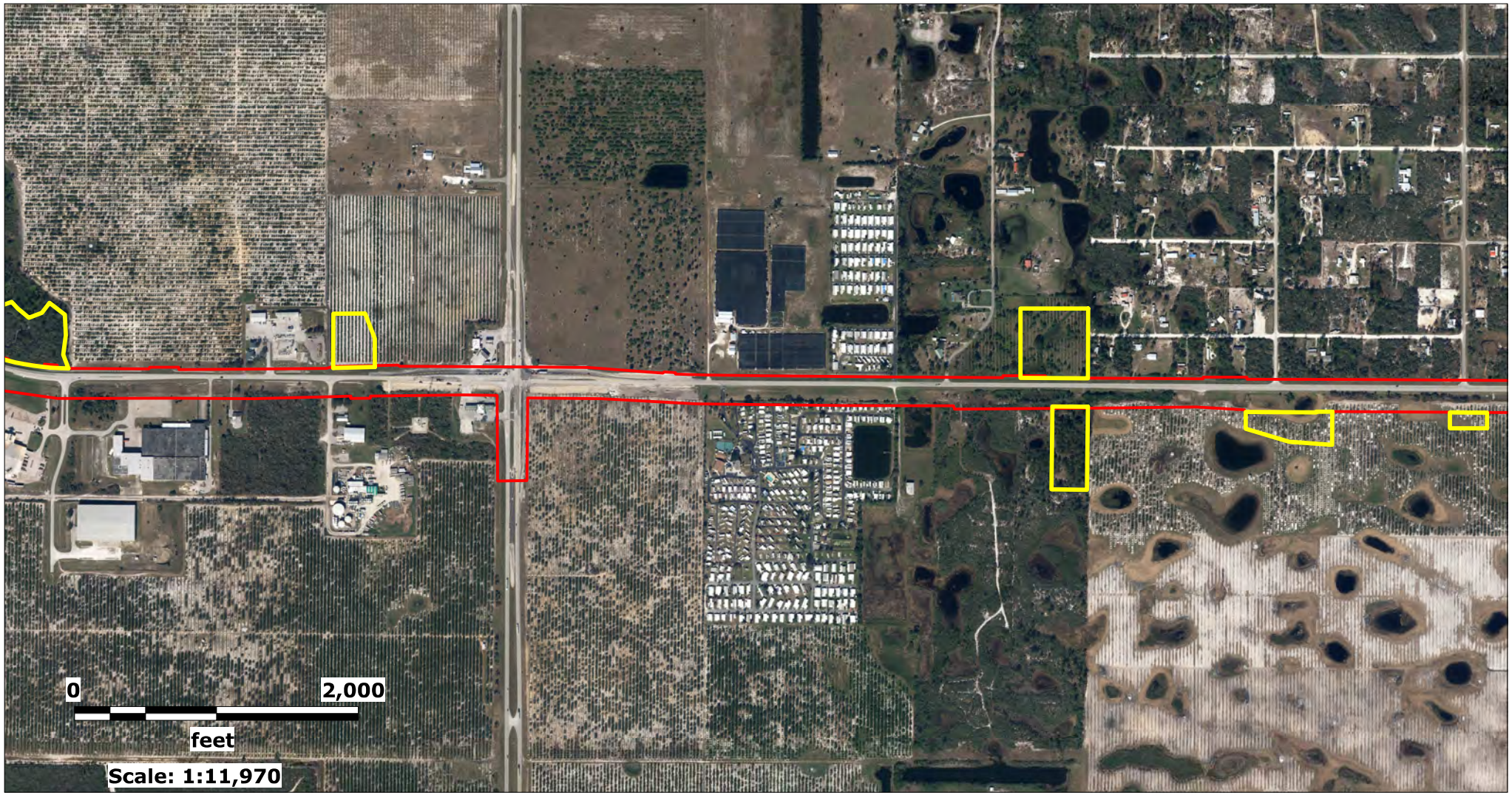
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Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
2023



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 3

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

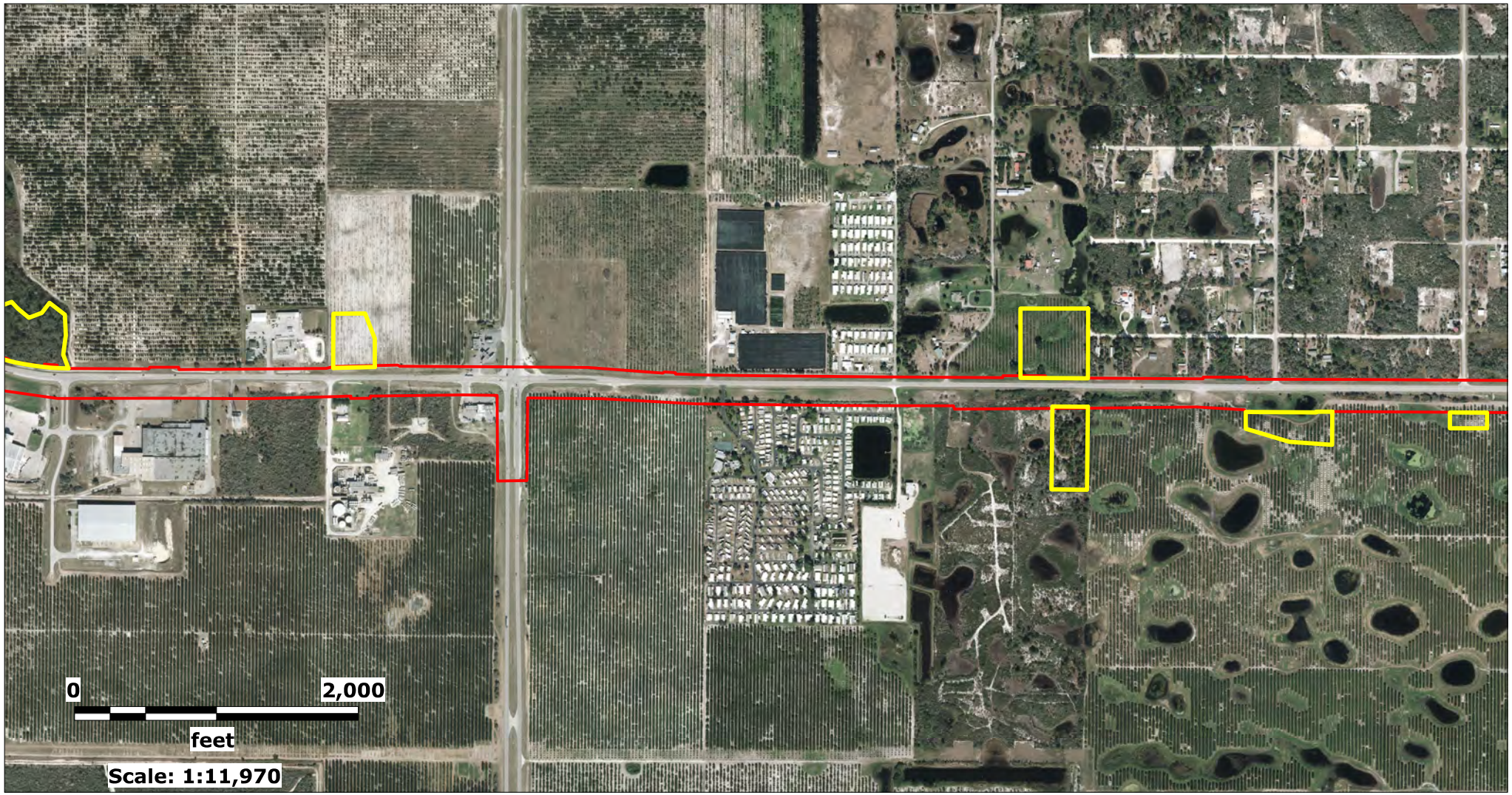
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February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
2014



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 3

SR 70 Seg 12 & 13
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Highlands County, Florida

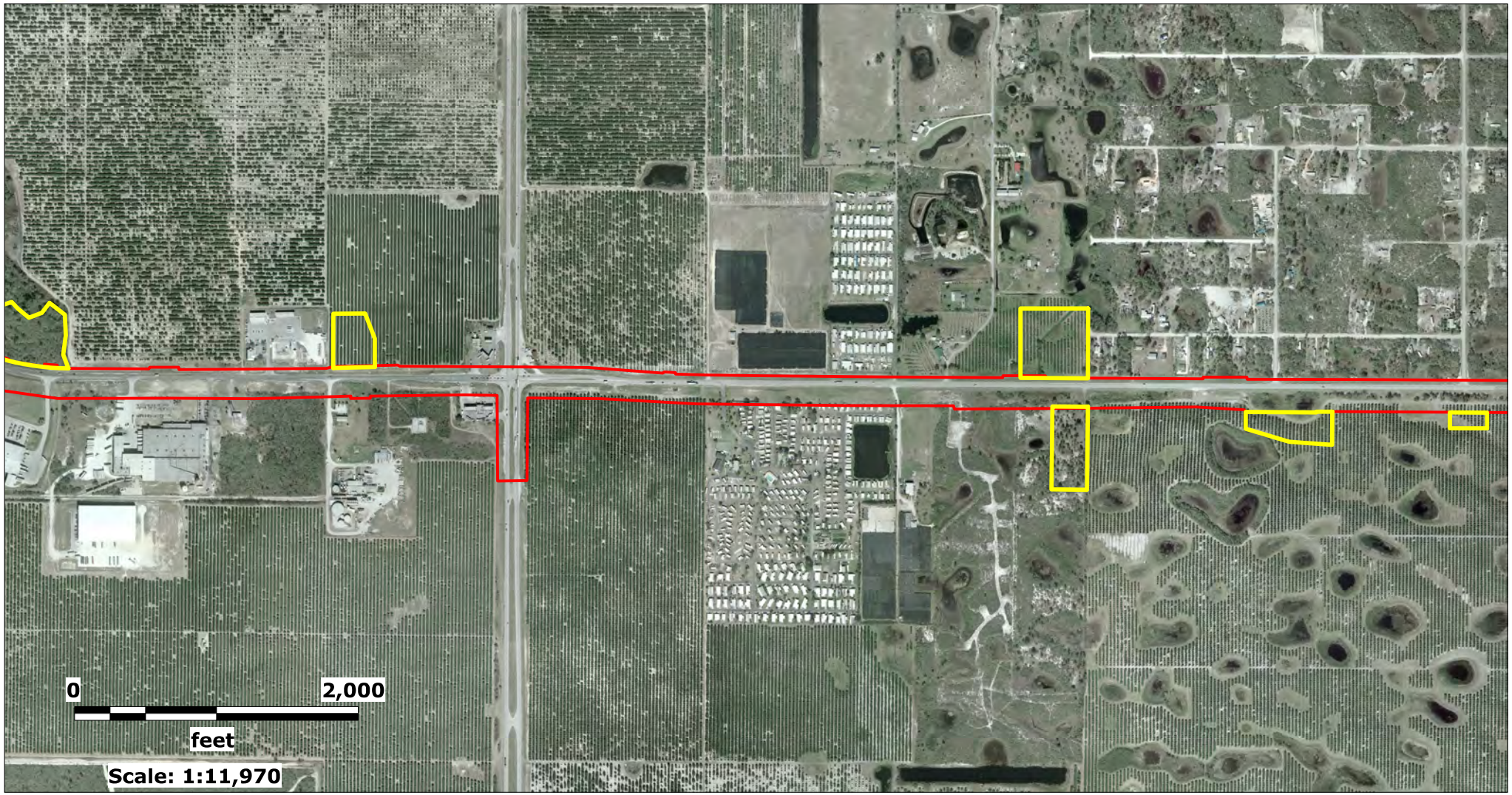
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Approximate Site Location
Roadway R/W

Approximate Site Location
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Aerial Photo Image
2005



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 3

SR 70 Seg 12 & 13
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Highlands County, Florida

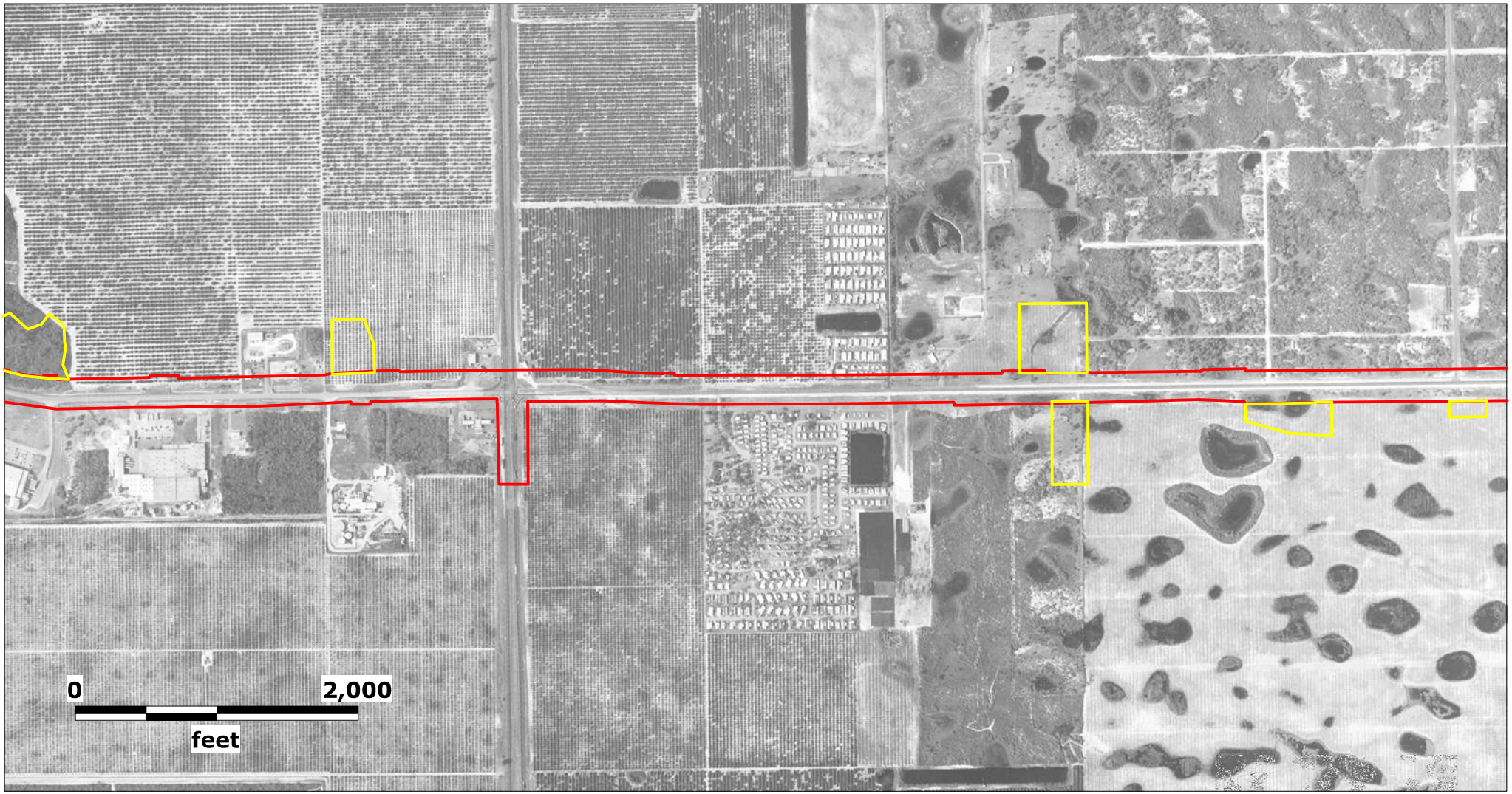
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February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1993



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 3

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

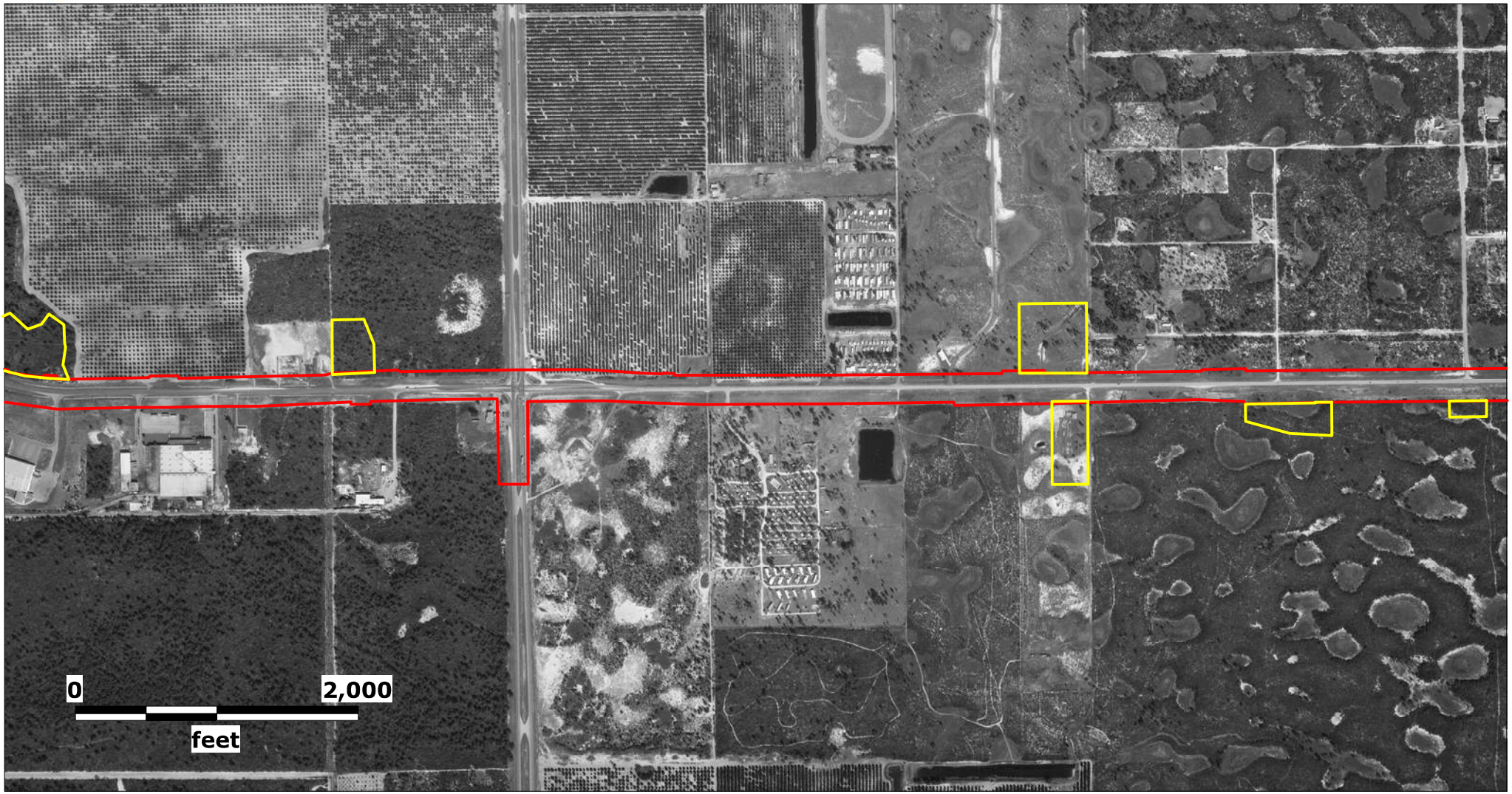
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February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1981



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 3

SR 70 Seg 12 & 13
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Highlands County, Florida

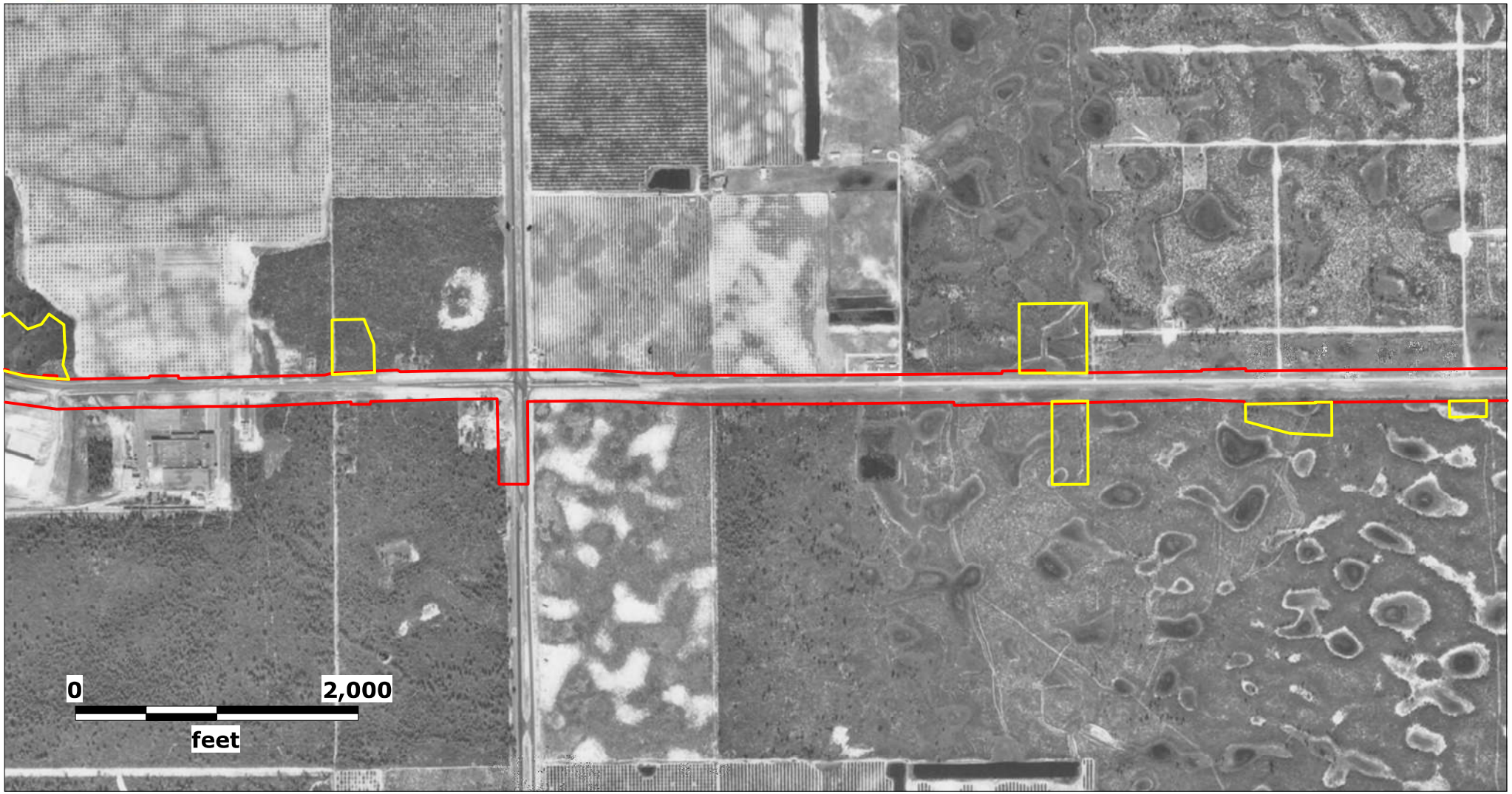
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February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1970



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 3

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

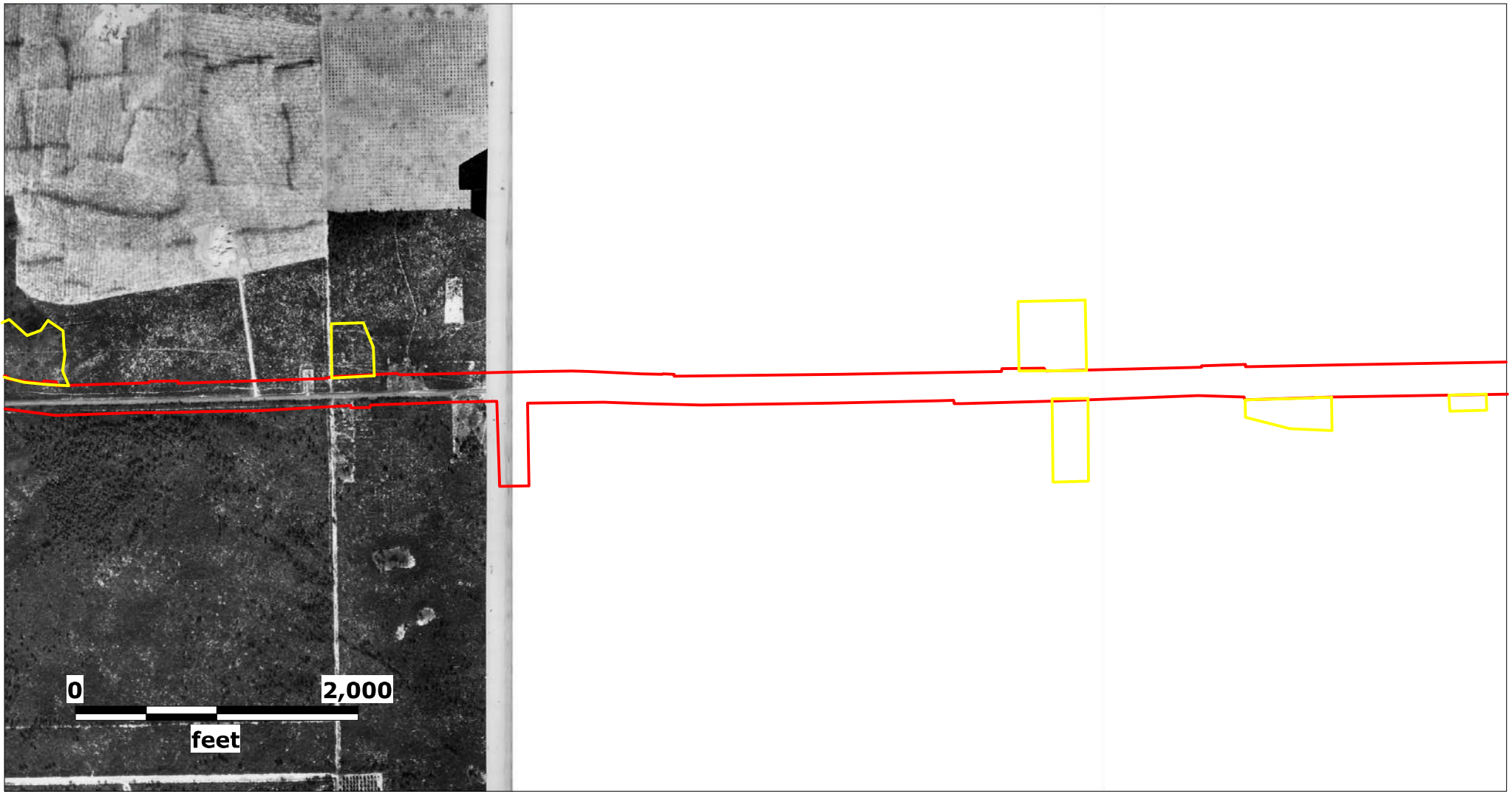
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Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1957



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 3

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

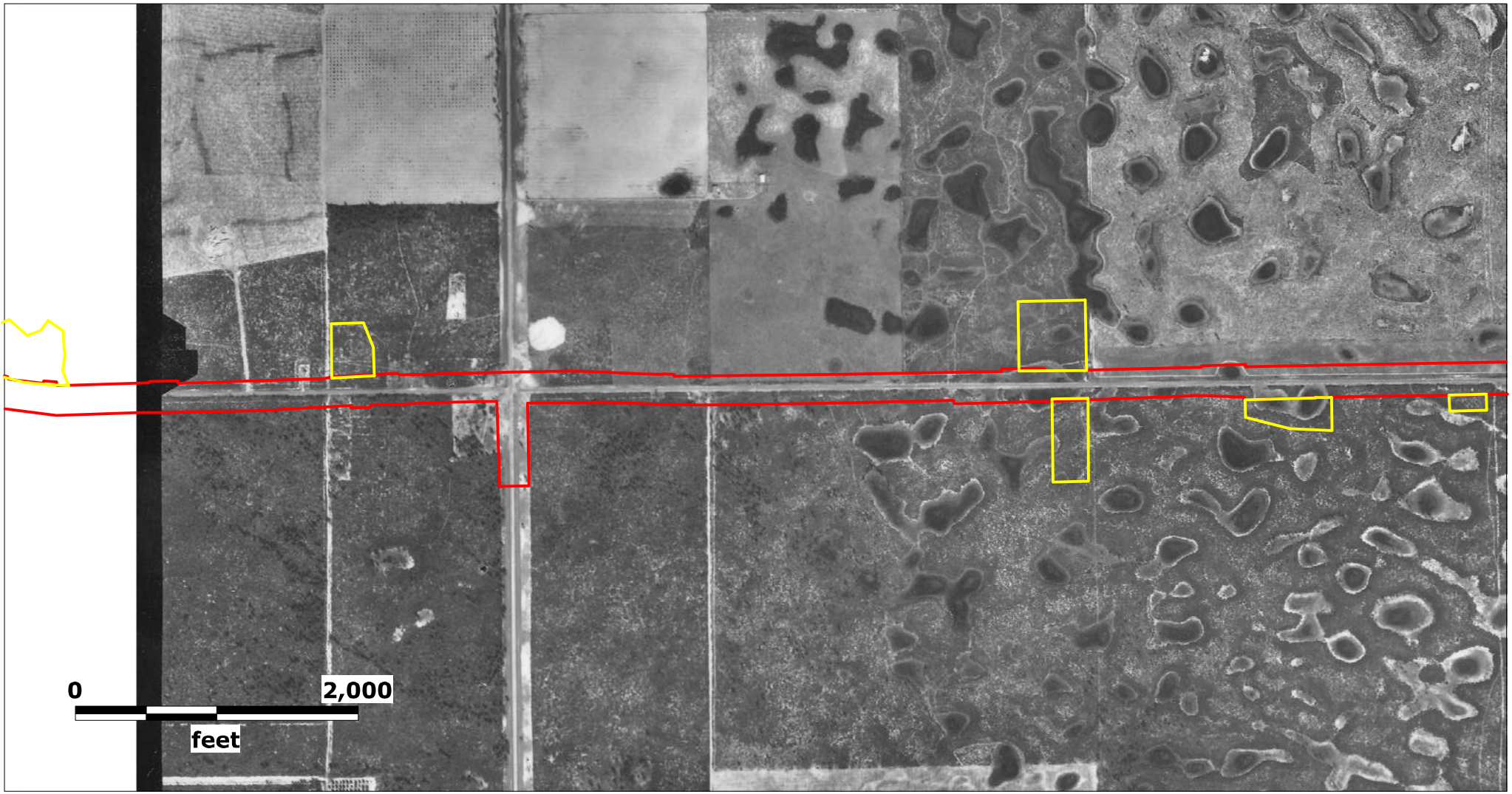
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February 20, 2026

Approximate Site Location Roadway R/W

Approximate Site Location Pond Sites

Aerial Photo Image
1958



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 3

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Roadway R/W and Pond Sites
Highlands County, Florida

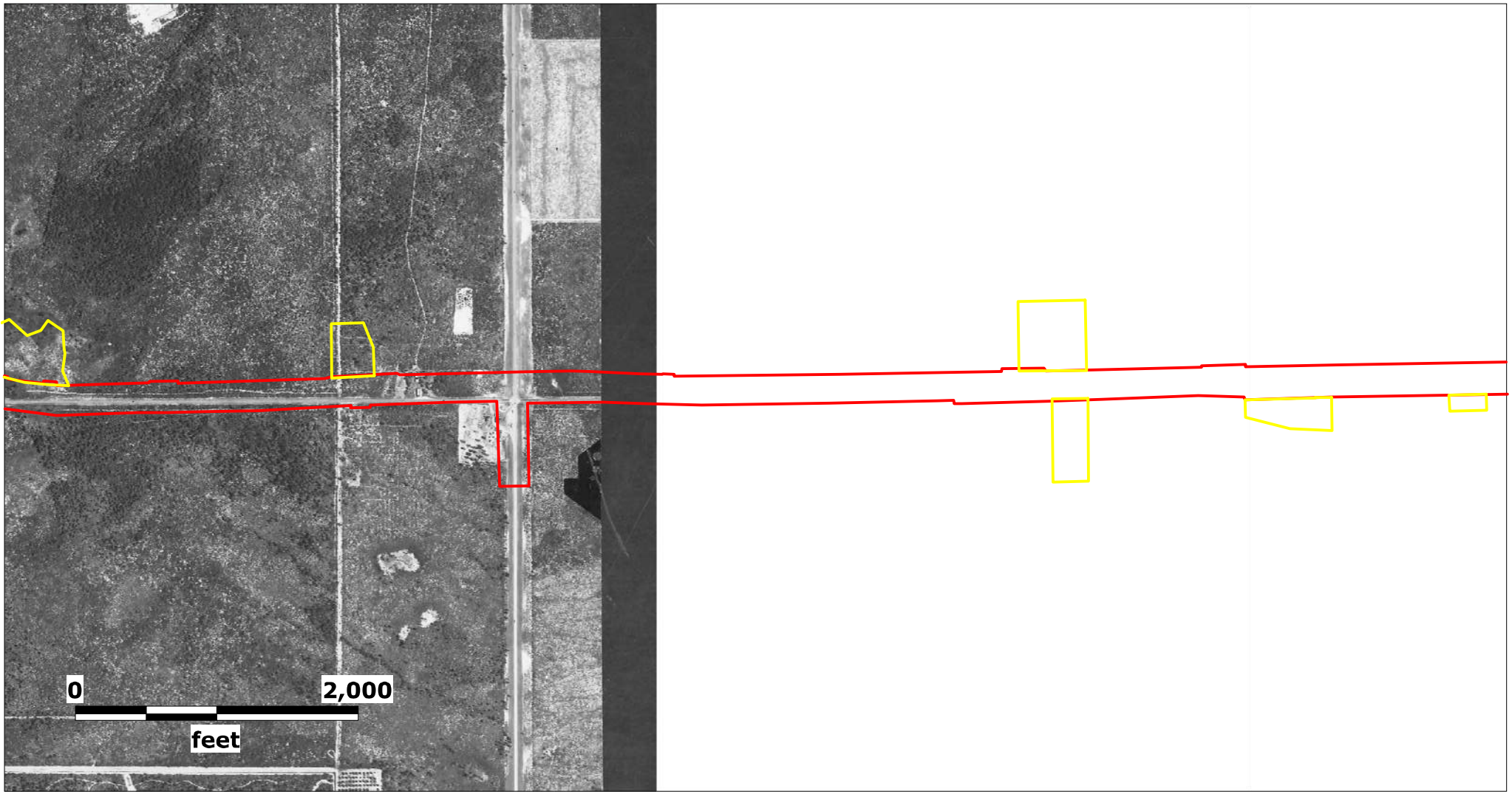
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February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1952



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 3

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Roadway R/W and Pond Sites
Highlands County, Florida

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Approximate Site Location Roadway R/W

Approximate Site Location Pond Sites

Aerial Photo Image
1953



Source: University of Florida

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Subject Property - Area 3

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Highlands County, Florida

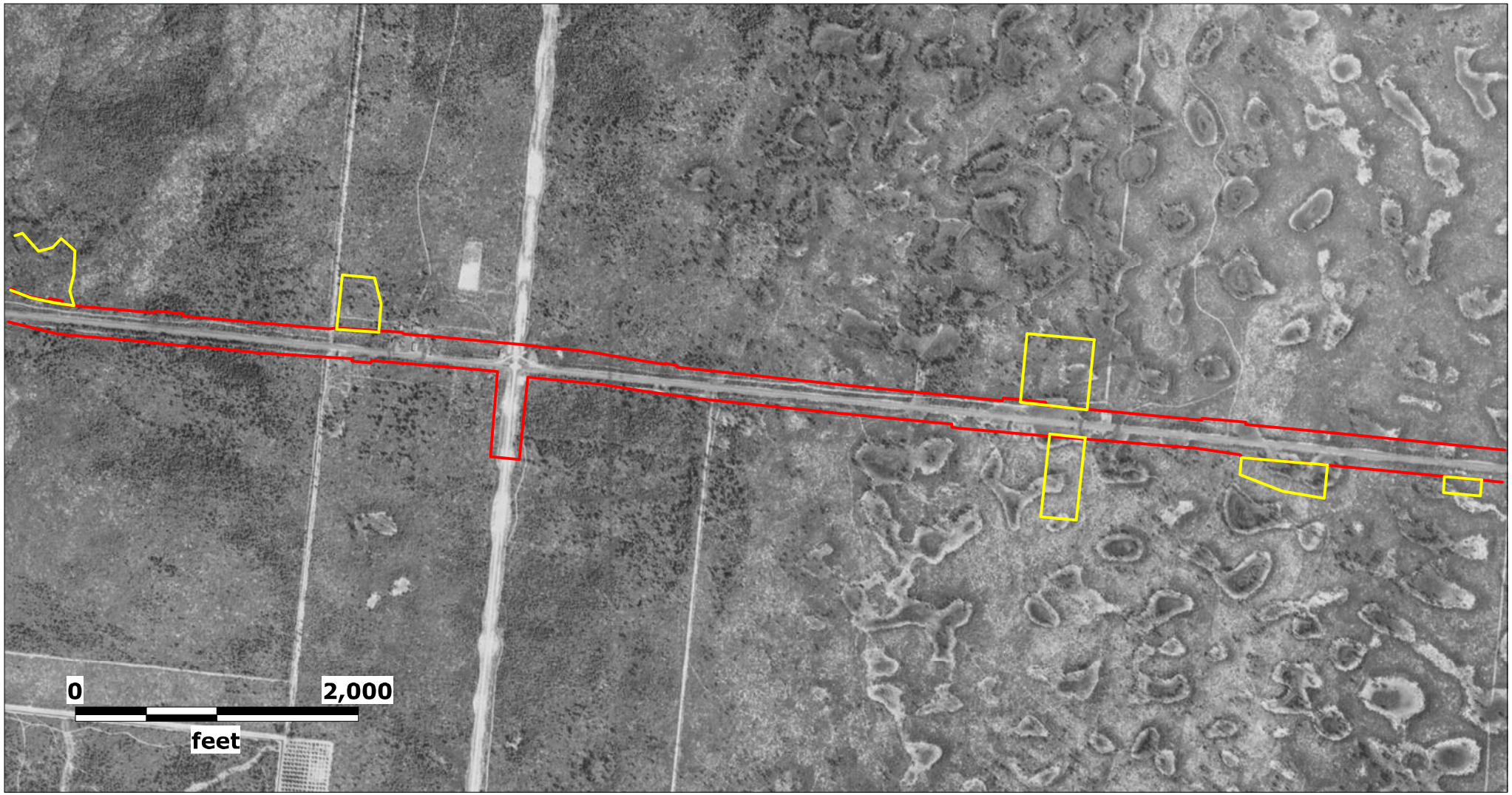
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February 20, 2026

Approximate Site Location Roadway R/W

Approximate Site Location Pond Sites

Aerial Photo Image
1944



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 3

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

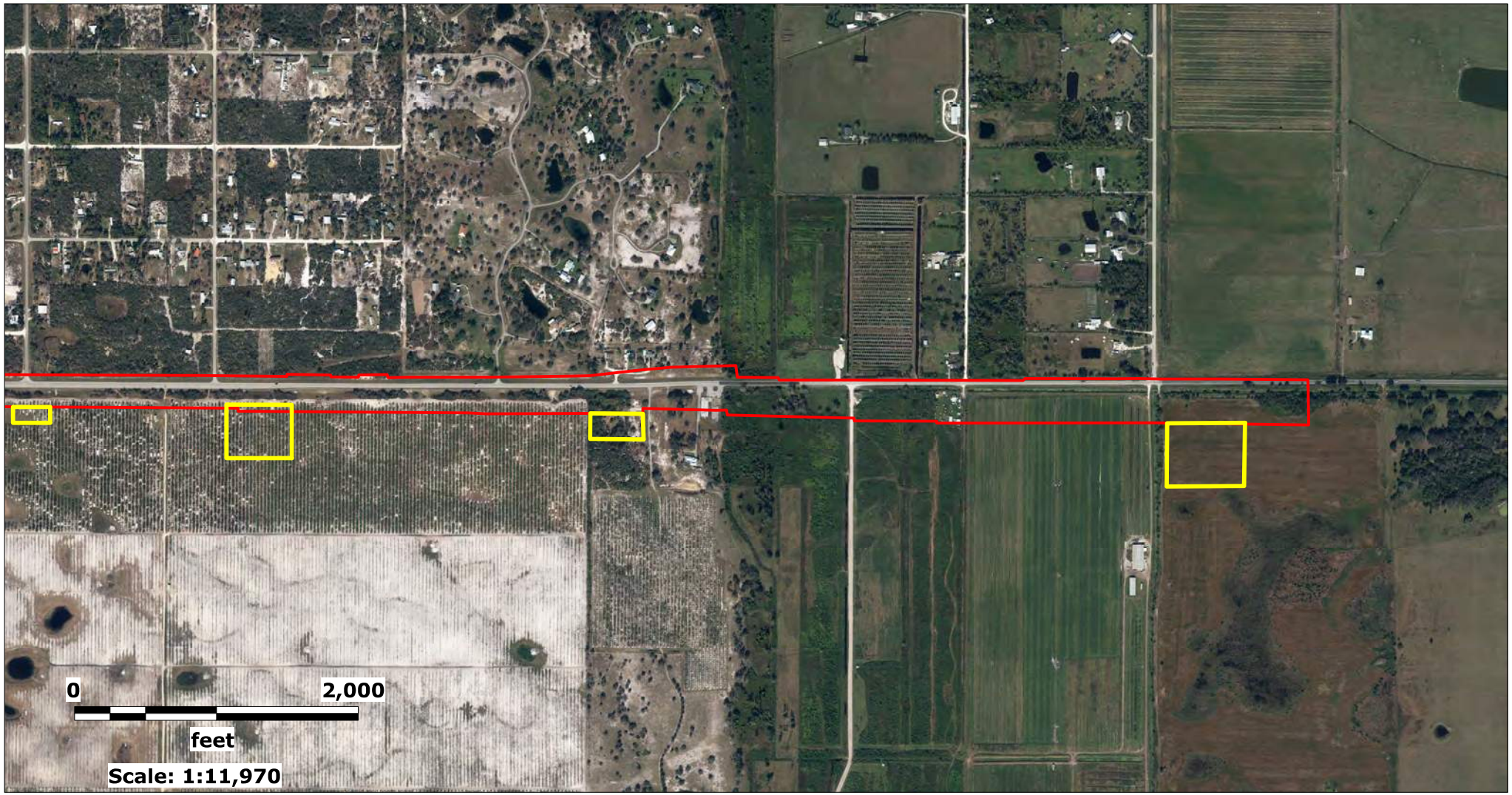
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February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
2023



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 4

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

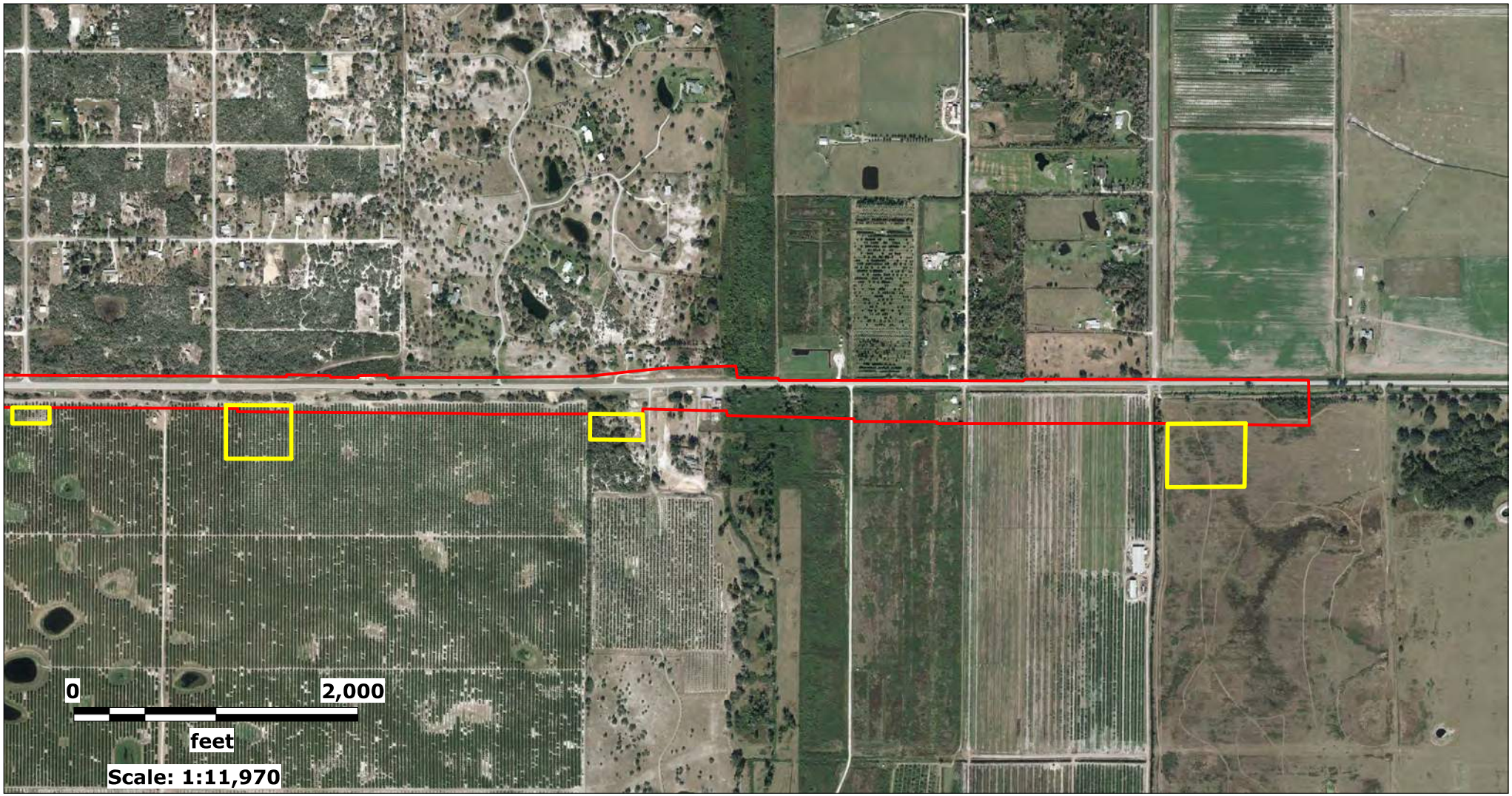
Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
2014



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 4

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

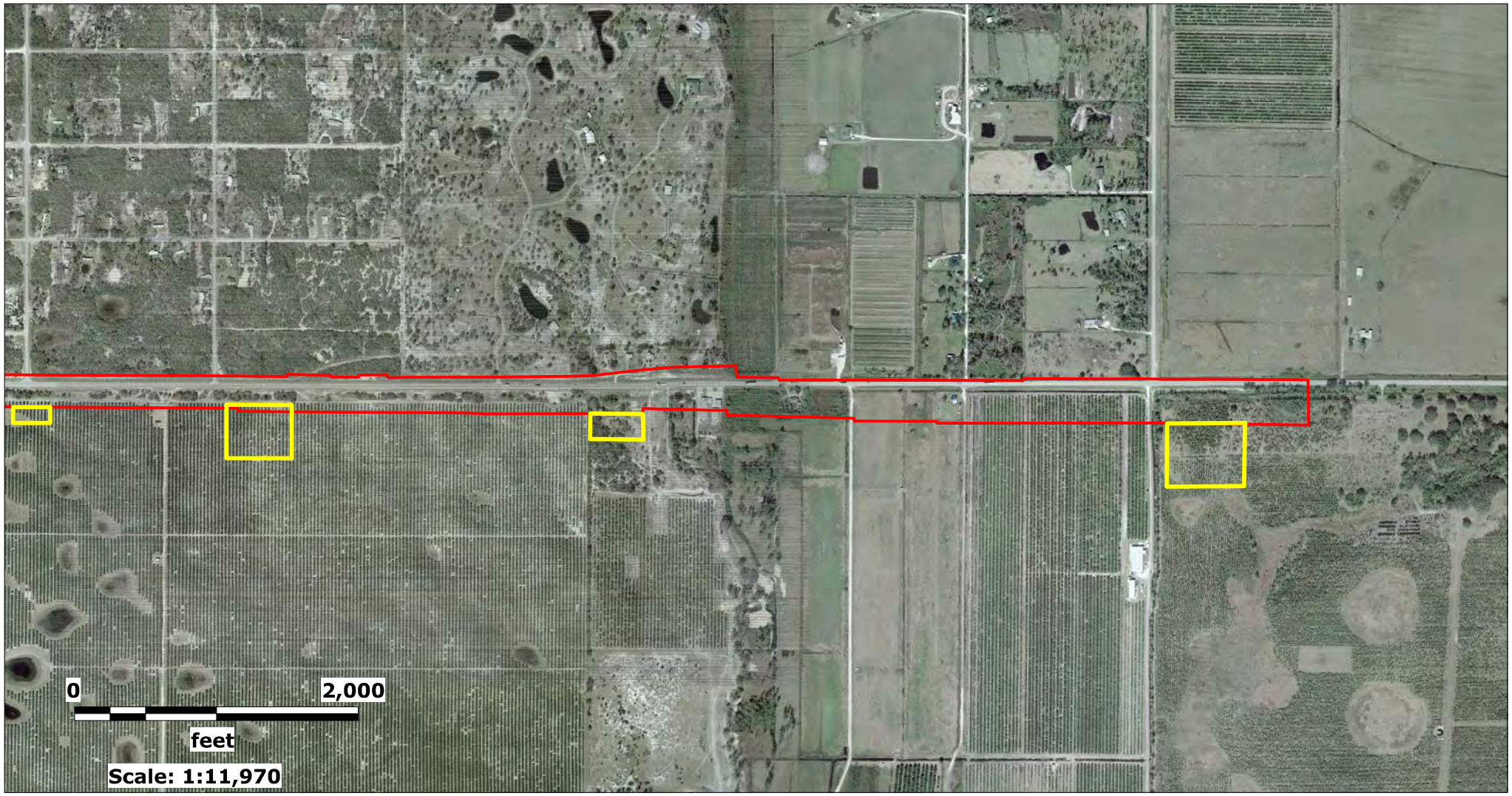
Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
2005



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 4

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1993



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 4

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1981



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 4

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1970



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property - Area 4

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

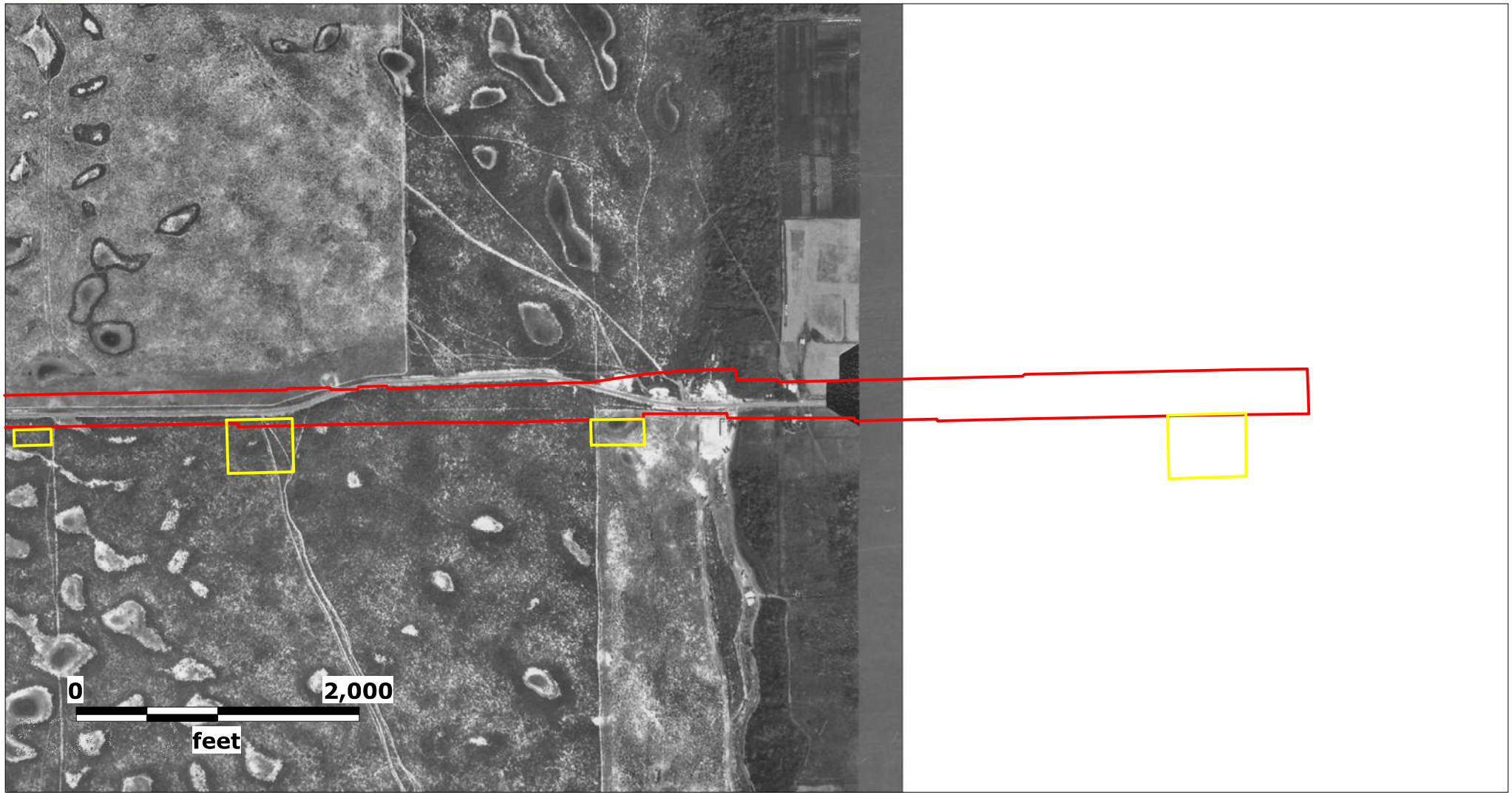
Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1958



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 4

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1958



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 4

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1953



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 4

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

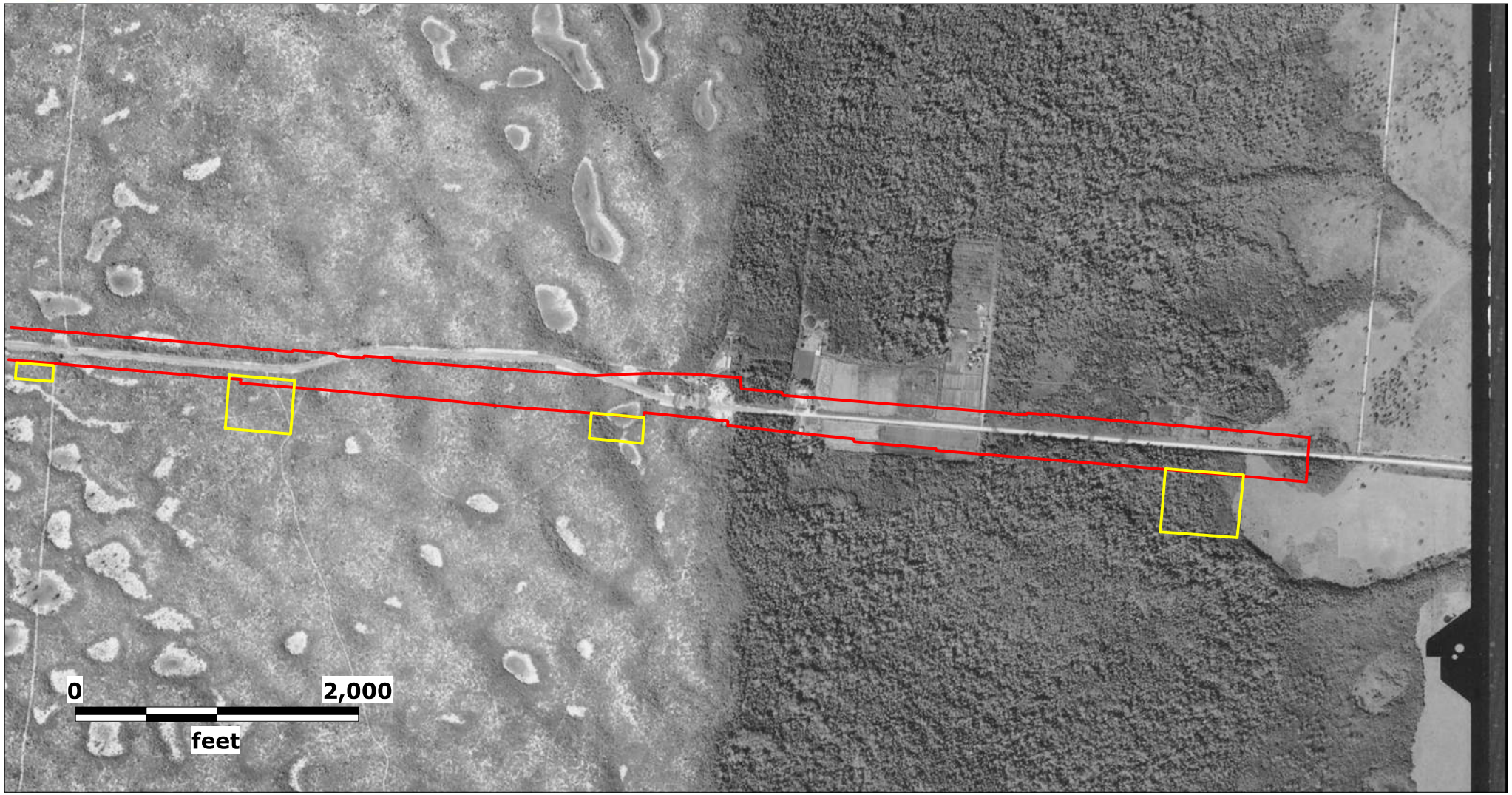
Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Aerial Photo Image
1944



Source: University of Florida

Map Scale and Site Locations are Approximate

Subject Property - Area 4

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

APPENDIX D

Topographic Maps

s

Historical Topographic Map Report

Subject Property:

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida
Venus NW and Childs Quadrangles

Prepared For:

Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Prepared By:

Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770

February 21, 2026

Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770
(727) 586-1700
http://www.edm-net.com

February 21, 2026

Chris Garth
Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Subject: **Historical Topographic Maps-- EDM Project #: 27544**
Client Project #: 6511-24-002E

Dear Mr. Garth:

Thank you for choosing Environmental Data Management, Inc. The following report contains a series of Historical Topographic Maps for the following location:

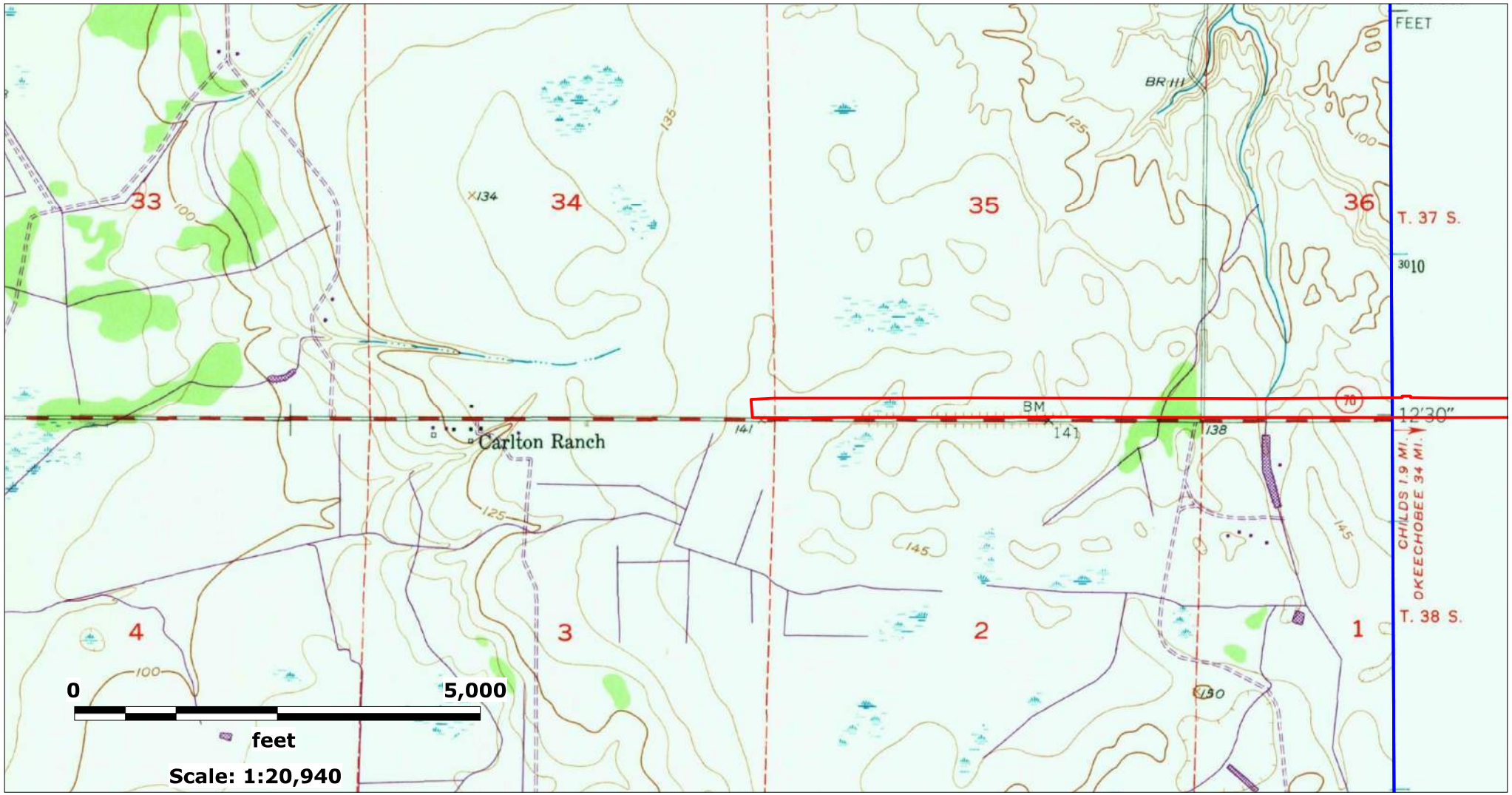
SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida
Venus NW and Childs Quadrangles

These maps were obtained from the digital map collections of the US Geological Survey. Only 7.5 Minute Series maps were selected for this report.

Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

ENVIRONMENTAL DATA MANAGEMENT, INC.

Historical Topographic Map
Venus NW 1972



Source: United States Geological Survey (USGS)

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

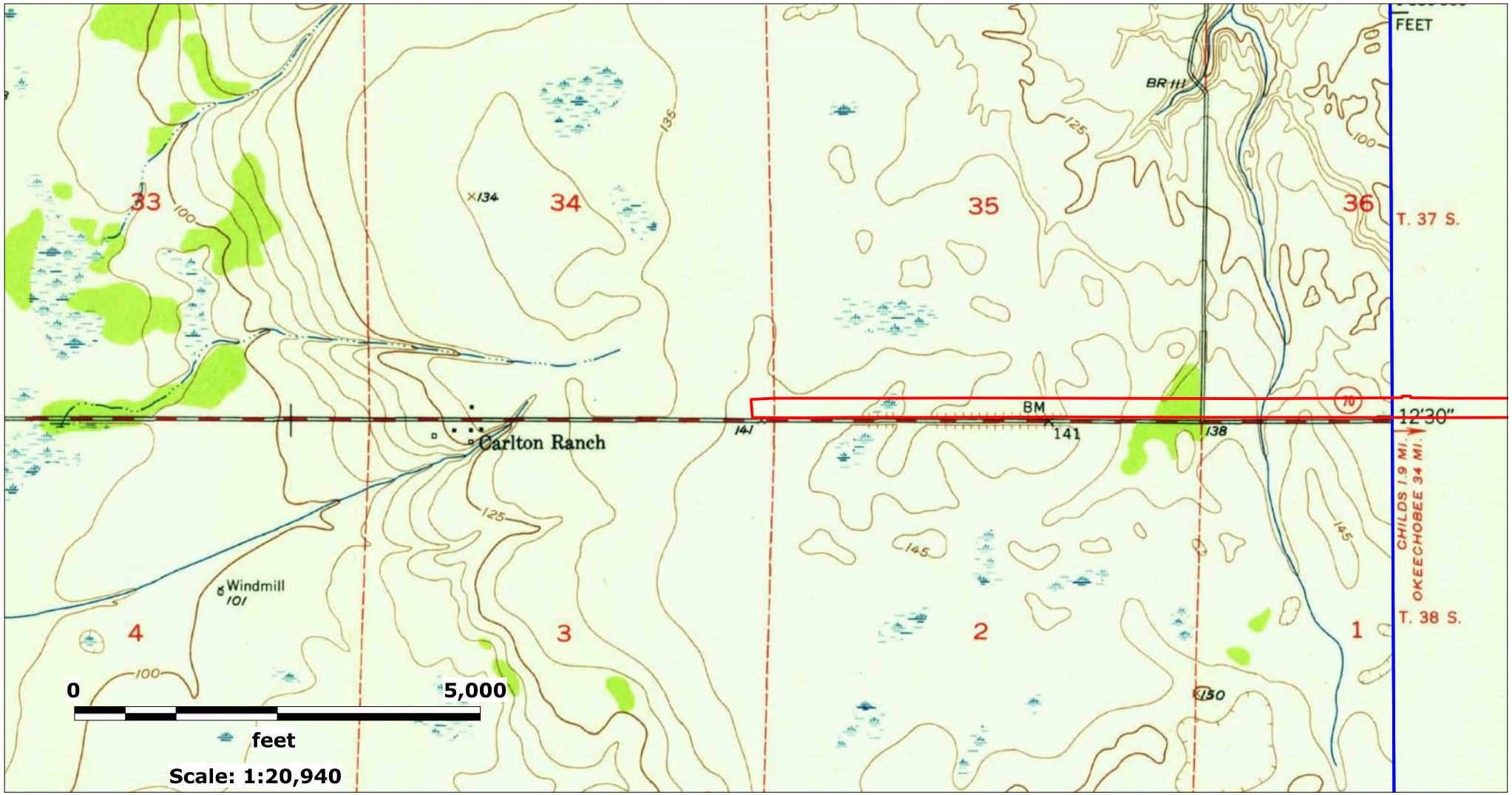
Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Historical Topographic Map
Venus NW 1953



Source: United States Geological Survey (USGS)

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

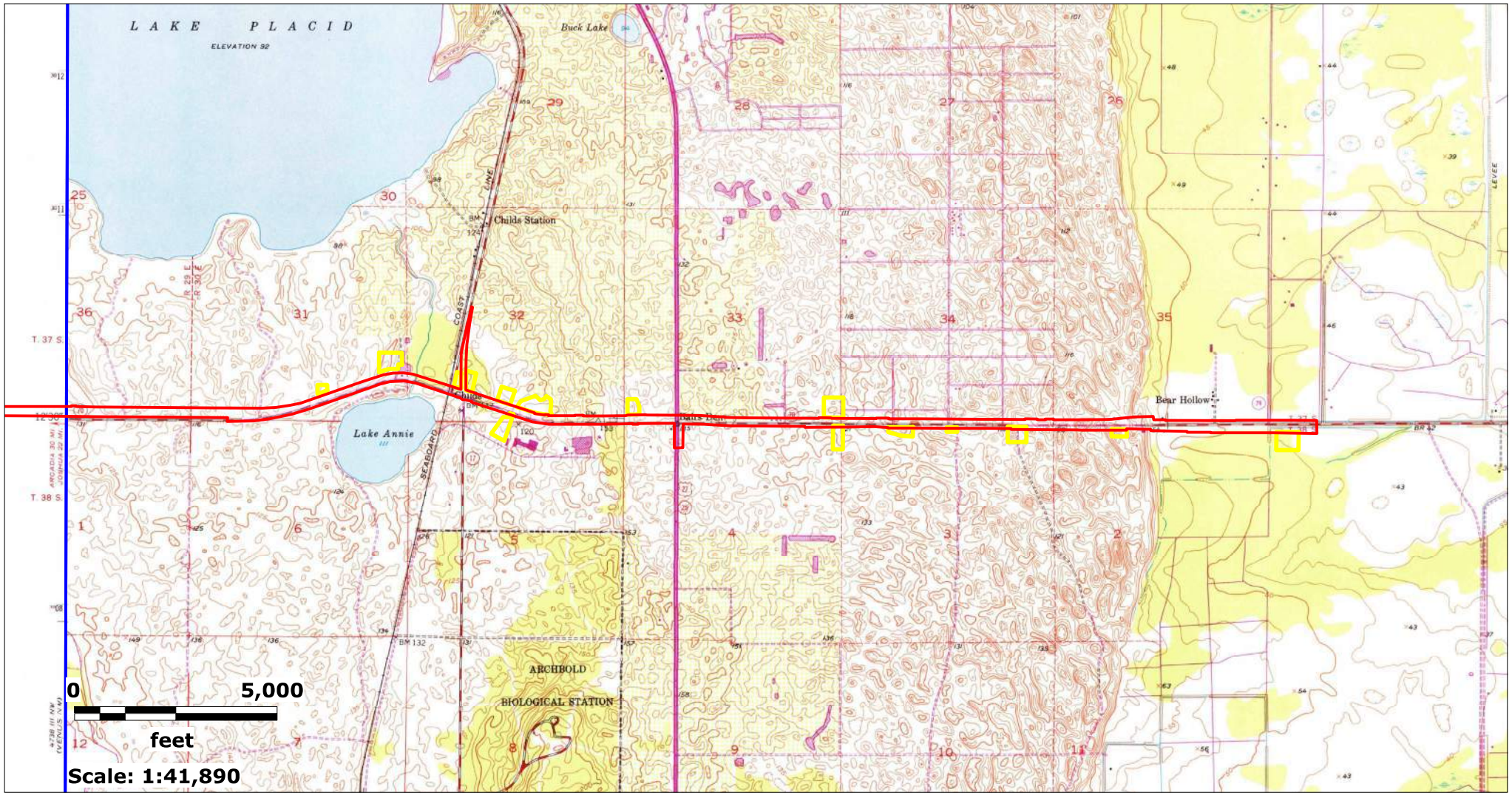
Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Historical Topographic Map
Childs 1972



Source: United States Geological Survey (USGS)

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

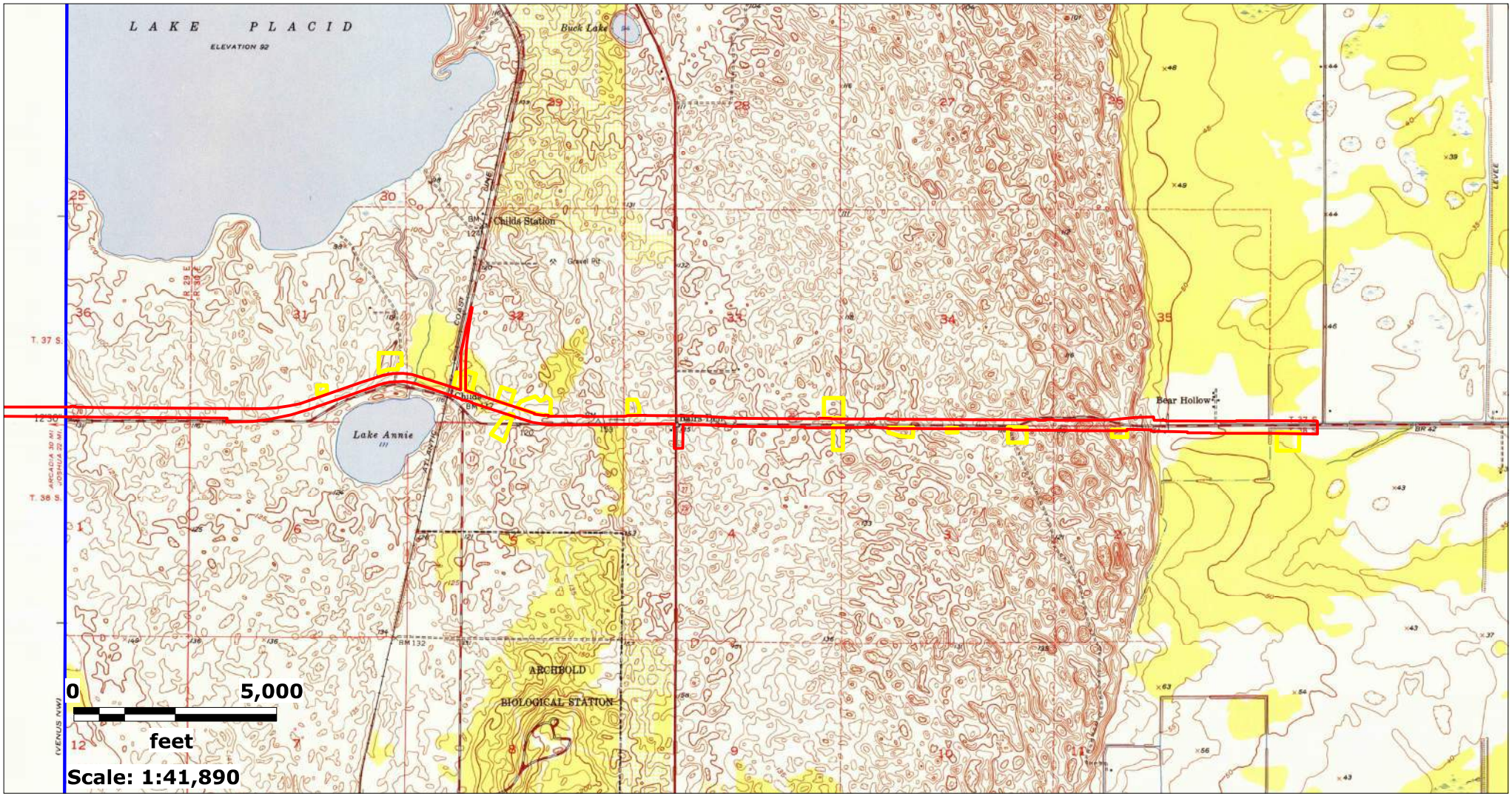
Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

Historical Topographic Map
Childs 1953



Source: United States Geological Survey (USGS)

Map Scale and Site Locations are Approximate

Subject Property

SR 70 Seg 12 & 13
Roadway R/W and Pond Sites
Highlands County, Florida

Lat (DMS): 27 12' 40.0824"
Lon (DMS: -81 20' 39.9516"

EDM Job No: 27544
February 20, 2026

Approximate Site Location
Roadway R/W

Approximate Site Location
Pond Sites

APPENDIX E

Supplemental Information

Interviews/Correspondence(s)

Chris Garth

Subject: FW: FDOT Monitoring Well on SR70- trying to get more information on th is monitoring well- near the south side of SR70. The well is located just north of Archbold Biological Station and west of Old SR8 along SR 70.

From: Mike Bair <mbair@tierraeng.com>
Sent: Monday, January 23, 2017 8:01 AM
To: Chris Garth <cgarth@tierraeng.com>
Subject: Fwd: FDOT Monitoring Well on SR70- trying to get more information on th is monitoring well- near the south side of SR70. The well is located just north of Archbold Biological Station and west of Old SR8 along SR 70.

Sent via the Samsung GALAXY S® 5, an AT&T 4G LTE smartphone

-------- Original message --------
From: wszary@netzero.net
Date: 1/21/17 11:02 AM (GMT-05:00)
To: Mike Bair <mbair@tierraeng.com>
Subject: RE: FDOT Monitoring Well on SR70- trying to get more information on th is monitoring well- near the south side of SR70. The well is located just north of Archbold Biological Station and west of Old SR8 along SR 70.

Mr. Bair:
The monitoring well was placed at that location for the exclusive purpose of collecting long term ground water measurement data over a two year period to determine seasonal high and low ground water fluctuations and subsequent effects produced by the Lake Annie Canal and the surrounding surface and ground water monitoring stations. The well was not used for collecting ground water contamination or other environmental sources.

The well was placed as part of a contract with the FDOT Research Center in Tallahassee for the project titled Methods to Predict Seasonal High Groundwater, contract BDX86. Reports were submitted to the Research Center for posting.

If you require additional details with respect to the project's purpose, please contact David Horhota, the FDOT Project Manager- State Materials Engineer, Gainesville FL. David.Horhota@dot.state.fl.us.
William Szary
Professional Geologist
813 264 7380
wszary@netzero.net
---------- Original Message ----------
From: Mike Bair <mbair@tierraeng.com>
To: Shannon Martin <shannon@pdsflorida.com>
Cc: "wszary@netzero.net" <wszary@netzero.net>
Subject: RE: FDOT Monitoring Well on SR70- trying to get more information on this monitoring well- near the south side of SR70. The well is located just north of Archbold Biological Station and west of Old SR8 along SR70.
Date: Fri, 20 Jan 2017 18:38:48 +0000
Thanks Shannon.

William, do you have any additional information for the subject well that you could share with us? We are studying the contamination aspects of a roadway improvement project and the well is located within the alignment. We are trying to determine the past use of the well. Any information would be appreciated and helpful to the DOT.

Michael Bair, ASP
TIERRA, INC.
T 813.989.1354 | F 813.989.1355 | C 813.774.2719
geotechnical environmental materials engineering

From: Shannon Martin [mailto:shannon@pdsflorida.com]
Sent: Friday, January 20, 2017 9:38 AM
To: Mike Bair
Cc: wszary@netzero.net
Subject: RE: FDOT Monitoring Well on SR70- trying to get more information on this monitoring well- near the south side of SR70. The well is located just north of Archbold Biological Station and west of Old SR8 along SR70.

The well is a piezometer that we put in for William Szary, P.G. I've copied him on this email in case you would like to contact him for further information. His phone number is 813-264-7380

Shannon Martin
Business Manager
Preferred Drilling Solutions

Owen Rocks

From: Forestt, Christopher <Christopher.Forestt@dot.state.fl.us>
Sent: Friday, July 25, 2025 12:25 PM
To: Chris Garth
Cc: Mike Bair; Owen Rocks; Nicole Christensen
Subject: 414506-3-32-01 & 414506-4-32-01 / SR70 (Jefferson Avenue -- CR29): Contamination Information Request
Attachments: L2-ICR_439827-1_US-27.at.SR-70.pdf

Chris,

This is the only document of note I could find in the FDOT files, beyond those to which you stated you already have access.

Best Regards,

Christopher Forestt
AtkinsRéalis Consultant to the DCIC

Florida Department of Transportation
District One Environmental Management Office
801 North Broadway Avenue | Bartow, FL 33830
☎: (863) 519 - 2503
Fax: (863) 534 - 7039
Cell: (863) 220 - 3648 (**Preferred**)
✉: *christopher.forestt@dot.state.fl.us*



AtkinsRéalis

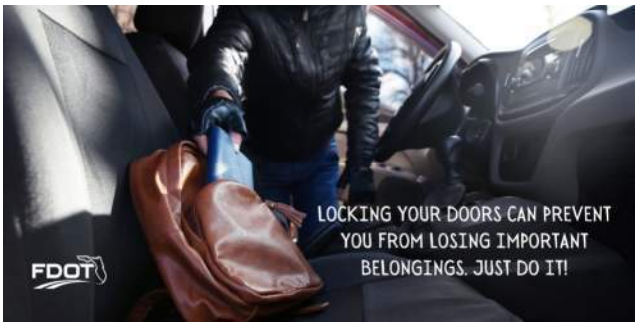
From: James, Jeffrey W <Jeffrey.James@dot.state.fl.us>
Sent: Friday, July 25, 2025 11:09 AM

To: Forestt, Christopher <Christopher.Forestt@dot.state.fl.us>
Subject: FW: 414506-3-32-01 and 414506-4-32-01 _ SR 70 from Jefferson Ave to CR 29 _ Contamination Info Request

Chris – please respond to Chris Garth on this one.

Thanks

Jeffrey W. James
Environmental Manager
Florida Department of Transportation, District 1
801 North Broadway Avenue
P.O. Box 1249
Bartow, FL 33831-1249
(863) 519-2625
Jeffrey.James@dot.state.fl.us



From: Chris Garth <cgarth@tierraeng.com>
Sent: Tuesday, July 22, 2025 8:05 AM
To: James, Jeffrey W <Jeffrey.James@dot.state.fl.us>
Cc: Forestt, Christopher <Christopher.Forestt@dot.state.fl.us>; Owen Rocks <orocks@tierraeng.com>; Nicole Christensen <nchristensen@tierraeng.com>
Subject: 414506-3-32-01 and 414506-4-32-01 _ SR 70 from Jefferson Ave to CR 29 _ Contamination Info Request

EXTERNAL SENDER: Use caution with links and attachments.

Jeff,

We are currently working on the Level I CSER for:

SR 70 from Jefferson Ave to CR 29 (Segment 12 & 13)
Highlands County, Florida
FPIDs 414506-3-32-01 and 414506-4-32-01

Do you have any contamination related reports/files such as Level II/III CSERs, Contamination Tech Memos, Level II testing, Phase I/II ESAs, emergency response reports, tank removals, cattle dip vats (CDVs), MOUs, MOAs, etc. that would be relevant to our evaluation? If so, we would appreciate if you would provide them.

We already have & won't need the following:
Level I CSER – Mainline (December 2, 2019, Rev. 2)
Level I CSER – Pond Alternatives (October 23, 2019, Rev. 1)

Thanks,

Chris Garth, LEP
Senior Scientist
TIERRA, INC.
7351 Temple Terrace Highway | Tampa, Florida 33637
T 813.989.1354 | **F** 813.989.1355 | **C** 813.766.0269
cgarth@tierraeng.com | www.tierraeng.com
geotechnical environmental materials engineering

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Map ID 1 – Smoak Groves – Lonesome Dove
5001 SR 70

Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-762.901(8)
Form Title: Limited Closure Report
Effective Date: January 2017
Incorporated in Rule 62-762.421, F.A.C.

Limited Closure Report Form for ASTs

This form is required to be completed for facilities performing an aboveground storage tank (AST) closure in accordance with Rule subsections 62-762.801(2) and 62-762.802(3), F.A.C. This form is required at facilities where a Closure Integrity Evaluation passed, where a failed Closure Integrity Evaluation was investigated prior to closure and it was determined that a discharge did not occur, or where a Closure Integrity Evaluation or Closure Report were not required because the closure only involved a storage tank system or storage tank system components that were not in contact with the soil. This form shall be submitted to the County via email or mail within 60 days of completion of the closure described below.

Complete All Applicable Blanks **Print or Type**

FDEP Facility ID Number: 8942817 Date of Closure: 9/18/2020

Facility Address: SR 70 SW of Jefferson Avenue

Owner Name: Smoak Groves Inc Owner Phone Number: 863-465-2561

Owner Mail or E-mail Address: john@smoakgroves.com

I. Storage Tank System Closure Information

The following were closed: (*Fill in ID of the component being closed and check appropriate box*)

Tank Registration Identification number(s):	1-7				
Removed	☑	☑	☑	☑	☑
Closed In-Place	☐	☐	☐	☐	☐
Piping associated with tank number(s):					
Removed	☑	☐	☐	☐	☐
Closed In-Place	☐	☐	☐	☐	☐
Piping Sumps associated with tank number(s):					
Removed	☑	☐	☐	☐	☐
Closed In-Place	☐	☐	☐	☐	☐
Spill Containment Systems associated with tank number(s): Removed	☐	☐	☐	☐	☐
Closed In-Place	☑	☐	☐	☐	☐
Dispenser Sumps associated with dispenser number(s):					
Removed	☐	☐	☐	☐	☐
Closed In-Place	☐	☐	☐	☐	☐

II. Closure Integrity Evaluation Information

A Closure Integrity Evaluation is required prior to the closure of the system components listed above if the system components are in contact with the soil and for spill containment systems if they are completely below-grade.

	Yes	No
A. Was a Closure Integrity Evaluation required? *If* **Yes**, *then proceed to the next question.* *If* **No**, *then proceed to* ***II.D.***	☐ (Proceed to next question)	☑ (Proceed to II.D.)
B. Was a Closure Integrity Report [Form 62-762.901(7)] submitted to the County prior to closure? *If* **No**, *then* ***DO NOT USE THIS FORM****. A closure investigation is required in accordance with "Instructions for Conducting Sampling During Aboveground Storage Tank Closure" and a Closure Report must be submitted.* *If* **Yes**, *attach a copy of the Closure Integrity Report [Form 62-762.901(7)].*	☐ (Attach copy of Closure Integrity Report)	

	Yes	No
C. Was an incident discovered during the evaluation? *If* **No**, *proceed to II.D., then Section III.* Closure Summary *If* **Yes**, *then proceed to the next question.*	☐ (Proceed to next section)	☐ (Proceed to II.D., then Sections III.)
➢ Was an Incident Notification Form (INF) submitted to the County [Form 62-762.901(6)]? *If* **Yes**, *attach copy of INF.* *If* **No**, *complete INF and attach, or response as to why INF not submitted.*	☐ (Attach INF)	☐ (Complete INF or Response)
➢ Was an incident investigation conducted PRIOR to closure? *If* **No**, *then* **DO NOT USE THIS FORM**. *A closure investigation is required in accordance with "Instructions for Conducting Sampling During Aboveground Storage Tank Closure" and a Closure Report must be submitted.* *If* **Yes**, then *proceed to the next question.*	☐ (Proceed to next question)	
➢ Did the investigation confirm that the incident was not a discharge? *If* **No**, *then* **DO NOT USE THIS FORM**. *A closure investigation is required in accordance with "Instructions for Conducting Sampling During Aboveground Storage Tank Closure" and a Closure Report must be submitted.* *If* **Yes**, *attach copy of written confirmation.*	☐ (Attach copy of written confirmation)	
D. Were wastes properly managed or disposed of in accordance with Department rules? *Attach copies of the transportation manifests and disposal certificates.*	☑	☐

III. Closure Summary:

Include a short narrative of the closure activities, including information about who performed the closure, the dates the closure was performed, the Closure Integrity Evaluation results, any incident investigation activities and conclusions, and information about the final disposition, sale, removal, or on-site closure of tanks, piping, and major system components or equipment. Previous annual operability reports, monthly visual/electronic inspection results, or any other supporting documentation to support the summary conclusions may also be included.

Tanks were removed from containment the second week of September. Removal and cleaning was performed by Agri-Del Inc mechanics who have been trained in spill prevention.

Tanks 1-7 were removed from containment structures when fuel levels were at a minimum. Rest of their remenants(which were minimum amount)were pumped out and transported to our shop facility where it was disposed in tank where contracted company picks up used oil and petroleum products. Tanks 1-7 are still on-site at Lonesome Dove awaiting inspection and closure. When closed-it is assumed tanks will be cut up and scrapped.

Tanks will still be monitored visually until closure and scrapping.

This form is required for facilities performing a closure in accordance with Rule subsection 62-762.801(2) and 62-762.802(3), F.A.C. Documentation of closure shall be reported on this form along with any attachments. This form shall be submitted to the County via email or mail within 60 days of completion of closure.

John Smoak III

Owner or Operator Signature

Signature of person performing Closure

John Smoak III

Print or type Owner or Operator Name

Print or type name of person performing Closure

09/23/2020

Date of Owner or Operator Signature

Date of signature of person performing Closure

Department of Environmental Protection

2600 Blair Stone Road♦Tallahassee, Florida 32399-2400

DEP Form: 62-762.901(2)
Form Title: Storage Tank Facility Registration Form
Effective Date: July 2019
Incorporated in Rule 62-762.401, F.A.C.

Storage Tank Facility Registration Form

Review Registration Instructions Before Completing this Form

Submit this completed form for the facility when registration of storage tanks or compression vessels is required by Section 376.303, Florida Statutes

Please check all that apply: ☐ New Registration ☑ New Owner ☐ New Tanks
☐ Existing Facility Info Update/Correction ☑ Existing Owner Info Update/Correction ☑ Existing Tank Info Update/Correction

A. FACILITY INFORMATION County: Highlands DEP Facility ID: 8942817
Facility Name: Lonesome Dove
Facility Address: SR 70 SW of Jefferson Avenue City: Lake Placid Zip: 33852
Facility Contact: John Smoak III Business Phone:
Facility Type(s): Agricultural Financial Responsibility Mechanism (choose): ☑ Insurance ☐ Other
24 Hour Emergency Contact: **Emergency Phone:**

B. ACCOUNT OWNER INFORMATION: Identify the Party responsible for payment of Registration Fees at the facility location named above
Legal Entity: Smoak Groves Inc Ownership Effective Date:
Contact Person: John Smoak III STCM Account Number (if known): 20127
Address: 1025 CR 17N
City: Lake Placid State: Fl Zip: 33852
Telephone: 863-465-2561 Email Address:

C. REAL PROPERTY OWNER INFORMATION: Identify the Party that is vested with ownership, dominion or legal or rightful title to the real property
Legal Entity: Smoak Land LLC Ownership Effective Date: 11/01/19
Contact Person: John Smoak III
Address: 1025 CR 17N
City: Lake Placid State: Fl Zip: 33852
Telephone: 863-465-2561 Email Address:

D. TANK/VESSEL INFORMATION: Complete one row for each storage tank or compression vessel system located at this facility (see Registration Instructions for codes)

	Tank ID	T or V	A or U	Capacity	Installation Date	Content Code	Status	Effective Date	Construction	Piping	Monitoring
1	1						B	9/18/20			
2	2						B	9/18/20			
3	3						B	9/18/20			
4	4						B	9/18/20			
5	5						B	9/18/20			
6	6						B	9/18/20			
7	7						B	9/18/20			
8											

Facility Registration Certification: To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

The person signing this form is the: (check all that apply)

☑ Account Owner (Responsible for Registration Fees) ☐ Real Property Owner

John Smoak III
Signature (right click to sign)

9/23/20
Date

John Smoak III
Printed Name

President
Title

Submit this form to tankregistration@floridadep.gov

Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400
Division of Waste Management
Petroleum Storage Systems
Storage Tank Facility Routine Compliance Site Inspection Report

Facility Information:

Facility ID: 8942817 County: HIGHLANDS Inspection Date:03/11/2025
Facility Type: M - Agricultural
Facility Name: SMOAK GROVES-LONESOME DOVE # of inspected ASTs: 1
SR 70 SW OF JEFFERSON AVE USTs: 0
LAKE PLACID, FL 33852 Mineral Acid Tanks: 0
Latitude: 27° 12' 5.0"
Longitude: 81° 24' 18.0"
LL Method: AGPS

Inspection Result:

Result: Major Out of Compliance

Signatures:

TKOKPH - OKEECHOBEE COUNTY HEALTH DEPARTMENT (863) 462-5811

Storage Tank Program Office and Phone Number

Douglas McCoy

Inspector Name



Inspector Signature
Principal Inspector

OKEECHOBEE COUNTY HEALTH DEPARTMENT

Steven Norris

Representative Name

No Signature

Representative Signature
Grove Manager

Heart Groves

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 and 40 CFR 280 Subpart J requires Operator Training at all facilities by October 13, 2018. For further information please visit: https://floridadep.gov/waste/permitting-compliance-assistance/content/underground-storage-tank-operator-training

Financial Responsibility: Overdue

Financial Responsibility: INSURANCE

Insurance Carrier: COMMERCE & INDUSTRY INSURANCE CO

Effective Date: 05/30/2021 Expiration Date: 05/30/2022

Violations:

Type: Violation
Significance: SNC-A

Rule:	62-762.421(2), 62-762.421(3)(c)
Violation Text:	No financial responsibility instrument or expired instrument for > 180 days.
Explanation:	no financial responsibility
Corrective Action:	Provide spill insurance coverage for tank

Type:	Violation
Significance:	Minor
Rule:	62-762.711(2), 62-762.711(2)(a), 62-762.711(2)(b), 62-762.711(2)(c), 62-762.711(2)(d)
Violation Text:	Records requiring 3 year documentation period not kept by facility.
Explanation:	no inspection records available
Corrective Action:	Inspect tank and provide placard for tank until proper closure.

Site Visit Comments

03/11/2025
Visited site with Steven Norris for inspection.

Inspection Comments

03/11/2025
RELEASE DETECTION METHODS - VISUAL INSPECTION OF ABOVEGROUND SINGLE WALL STORAGE TANKS, CONTAINMENTS AND ASSOCIATED PIPING

Inspection scheduling initiated by phone with Steven Norris on 3/1/2025. Current registration is not available. Tank is empty preparing for removal. Registration information reviewed with Mr. Norris. Insurance information and CFR form have expired. Monthly inspections are not being conducted. Accurate site plan, SWAP data and photo(s) reviewed in FIRST.

Inspected 1 double wall off road diesel tank in the garage. Manual inventory monitoring. Tank contents identified. Tank is in good condition. Interstice is empty. Spill box empty.

Inspection E mailed to Steven Norris.

On line registration information, Approved Equipment List, storage tank forms and other current information can be accessed from the FDEP Storage Tank Main Page at: www.dep.state.fl.us/waste/categories/tanks Storage Tank Registration section e-mail: tankregistration@dep.state.fl.us FDEP main phone # 850-245-8839

Contact information: Douglas McCoy, phone 863-462-5811 E-mail: douglas.mccoy@flhealth.gov DEP Portal, Registration link: http://www.fldepportal.com/go/submit-registration/

Inspection Photos

Added Date 03/11/2025

2025-03-11-COMPLIANCE-DM-tank and dispenser



Added Date 03/11/2025

2025-03-11-COMPLIANCE-DM-fuel provider



Added Date 03/11/2025

2025-03-11-COMPLIANCE-DM-tank with spill bucket



Map ID 2 – Griffin Trees

100 Parkland Drive

108 Parkland Drive

AWM 4/98

Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DEP Form # 17-761.900(2)
Form Title Storage Tank Registration Form
Effective Date December 10, 1990
DEP Application No. _____ (Filled in by DEP)

Storage Tank Registration Form

Please Print or Type - Review Instructions Before Completing Form

1. DEP Facility ID Number: 8944354 2. Facility Type: _____
3. New Registration ☐ New Owner Data ☐ Facility Revision ☒ Tank Revision ☒
4. County and Code of tank(s) location: HIGHLANDS / 28

5. Facility Name: GREEN TREES, INC
   Tank(s) Address: HWY 70 W & PARKLAND DR
   City/State/Zip: LK PLACID FL 33852
   Contact Person: _____ Telephone: (941) 465-1331
6. Financial Responsibility Type : _____

7a. Tank(s) Owner: _____
   Owner Mailing Address: _____
   City/State/Zip: _____
   Contact Person: _____ Telephone: (941) _____

7b. New Owner Signature/Change Date : _____

8. Location (optional) Latitude: ____°____'____" Longitude: ____°____'____" Section _____ Township ____ Range ____

RECEIVED 98 APR -1 PM 12:07 DEP SOUTHWEST DIST. REGULATION

Complete One Line For Each Tank At This Facility (Use Codes - See Instructions)

Complete 9 - 16 for tanks in use; 9 - 19 for tanks out of use

9	10	11	12	13	14	15	16	17	18	19
1	4000	D	6/89	A	CK	AB	X	B	0	4/97
2	2000	B		A	CK	AB	X	U		
3	4000	D		A	CK	AB	X	B	0	4/97

20. _____ DPR# _____
Certified Contractor* Department of Business and Professional Regulation License Number*

*For new tank installation or tank removal

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

Ronald Farmer — Ronald Farmer — 3-26-98
Print name & title of owner or authorized person — Signature — Date

Northwest District, 160 Governmental Center, Pensacola, Florida 32501-5794, 904-463-8300
Northeast District, 7825 Baymeadows Way, Suite B200, Jacksonville, Florida 32207, 904-798-4200
Central District, 3319 Maguire Blvd. Suite 232, Orlando, Florida 32803-3767, 407-894-7555
Southwest District, 4520 Oak Fair Blvd., Tampa, Florida 33610-7347, 813-623-5561
South District, 2269 Bay St., Fort Myers, Florida 33901-2896, 813-332-6975
Southeast District, 1900 S. Congress Ave. Suite A, West Palm Beach, Florida 33406, 407-433-2650

CODES LIST FOR DEP STORAGE TANK REGISTRATION FORM 17-761.900(2)

#2 - FACILITY TYPE

A.	Retail station	G.	State government	M.	Agricultural
B.	Residence	H.	Local government	N.	Indian land
C.	Fuel user/non-retail	I.	County government	T.	Coastal bulk petroleum or chemical storage
D.	Inland bulk petroleum storage	J.	Collection station	V.	Marine fueling facility
E.	Industrial plant	K.	Inland bulk chemical storage	Z.	Other; please specify
F.	Federal government	L.	Chemical user		

#6 - FINANCIAL RESPONSIBILITY

- A. State Program - Third party liability/State contractor (FPLIPA/AIG).
- B. State Program - Third party liability/Self insurance with other carrier; other federal financial respons ibility mechanism.
- C. Other coverage meeting federal financial responsibility requirements.
- D. None

#9 - TANK ID NUMBER
(number sequentially, 1,2,3; or provide specific identifying name or number; 6 characters, maximum)

#10 - TANK SIZE IN GALLONS

#11 - CONTENT

A.	Leaded gasoline	H.	Fuel - generator or pump	R.	Ammonia compound
B.	Unleaded gasoline	K.	Kerosene	S.	Chlorine compound
C.	Gasohol	L.	Waste oil	T.	Hazardous substance (CERCLA)
D.	Vehicular diesel	M.	Fuel oil: on-site heat use only; all USTs or ASTs <30K gals	U.	Mineral acid
E.	Aviation gasoline	N.	Fuel oil: distribution, or on-site heat use ASTs > 30K gals	V.	Grades 5 & 6, bunker 'C' residual oils
F.	Jet fuel	O.	New & lube oil	W.	Petroleum-base additive
G.	Fuel - emergency generator	Q.	Pesticide	X.	Other, miscellaneous petroleum-base product

#12 - INSTALLATION DATE (mm/yy)

#13 - TANKPLACEMENT A = Aboveground tank; U = Underground tank; C = Aboveground Compression Vessel; D = Underground Compression Vessel

#14 - TANK CONSTRUCTION - choose one primary construction and all other codes that apply; primary is inner tank construction for double wall tanks

Primary Construction:	C.	Steel		
	D.	Unknown	X.	Concrete
	E.	Fiberglass	Y.	Polyethylene
	F.	Fiberglass-clad steel	Z.	Other DEP approved tank material
Overfill/Spill:	A.	Ball check valve	M.	Spill containment bucket
	N.	Flow shut-off	P.	Level gauges, high-level alarms
	O.	Tight fill	Q.	Other DEP approved protection method
Corrosion Protection:	G.	Cathodic protection - sacrificial anode	H.	Cathodic protection - impressed current
Secondary Containment:	I.	Double wall construction: single material; outer tank material same as inner tank material		
	R.	Double wall construction: dua l material; outer tank constructed of concrete, approved synthetic material or tank "jacket"		
	J.	Synthetic liner in tank excavation		
	K.	Concrete, synthetic material, and/or offsite clays beneath AST and in containment area		
	S.	Other DEP approved secondary containment system		
Miscelleneous attributes:	B.	Internal lining	U.	Field erected tank
	L.	Compartmented		

#15 - PIPING CONSTRUCTION - choose one primary construction and all other codes that apply; primary is inner pipe construction for double wall piping

Primary Construction:	B.	Steel or galvanized metal	Y.	Unknown
	C.	Fiberglass	Z.	Other DEP approved piping material
	N.	Approved synthetic material		
Corrosion Protection:	D.	External protective coating		
	E.	Cathodically protected with sacrificial anode or impressed current		
Secondary Containment:	F.	Double wall construction: single material; outer pipe mate rial same as inner pipe material		
	M.	Double wall construction: dual material; outer pipe constructed of approved synthetic material or pipe "jacket"		
	G.	Synthetic liner or box/trench liner in piping excavation or pipe containment area		
Miscellaneous attributes:	A.	Aboveground, no contact with soil	K.	Dispenser liners
	I.	Suction piping system	L.	Bulk product system
	J.	Pressurized piping system	H.	Airport/seaport hydrant system

#16 - LEAK DETECTION METHODS - choose all that apply

Site/general:	A.	Automatically sampled wells	B.	Manually sampled wells
	C.	Groundwater monitoring plan	D.	SPCC Plan
	N.	Groundwater monitoring system	O.	Vapor monitoring system
	I.	Not required - see rule for exemptions	X.	None
	Y.	Unknown	Z.	Other DEP approved monitoring method
Tank monitoring:	E.	Interstitial space - tank/liner	L.	Automatic tank gauging
	F.	Interstitial space - doub le wall tank	M.	Manual tank gauging
Piping monitoring:	G.	In-line detector, auto shut off	J.	Interstitial space - piping/liner
	H.	In-line flow restrictor	K.	Interstitial space - double wall piping

#17 - TANK STATUS &/or TANK DISPOSAL

- A. Properly closed in place - UST filled with sand, concrete or other inert material; AST rendered unusable
- B. Removed from the site
- * **A or B: Closure Assessment required after 12/10/90 (UST); 03/12/91 (AST) - EDI sites excluded#19 -**
- F. Unmaintained tank - not in use or to be used, and not properly disposed
- T. Temporarily out-of-service
- U. In-service

#18 - GALLONS LEFT in out-of-service tank

LAST USED DATE (mm/yy) or date of permanent closure

Map ID 3 – Posey Dairy aka Sumrset LLC
3521 SR 70
3600 SR 70

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

GROUND WATER MONITORING INSPECTION REPORT

FACILITY : **Posey Dairy, Inc.**

FACILITY REPRESENTATIVE: **Brian Roy** PHONE : **407-831-3095**

LOCATION: **15402 Highway 70 East** COUNTY: **Highlands**

PERMIT # : **FLA284611-001-IW** PERMIT EXP: **Yet to be Issued**

REASON FOR INSPECTION: **Permitting of new facility** INSP DATE **2/18/2004**

TYPE OF DISCHARGE: **Discharge to ground water from a spray irrigation system that receives water from a storm pond that receives water from a collection ditch system around the high intensity areas of the dairy and a waste water treatment system designed for setting of solids and nutrient removal. This facility also plans to land apply manure solids and sludge through the spray irrigation system onto hay fields.**

GENERAL COMMENTS: An inspection of the facility was helpful in confirming the specifics of the site with the information submitted in the application. I gave Brian Roy a copy of my ground water monitoring plan RFI comments so he could get an earlier start on completing the ground water monitoring plan for this facility. Nothing was noted in my inspection that would add to my RFI comments already submitted to Elvis Pemberton the IW permit processor for this project.

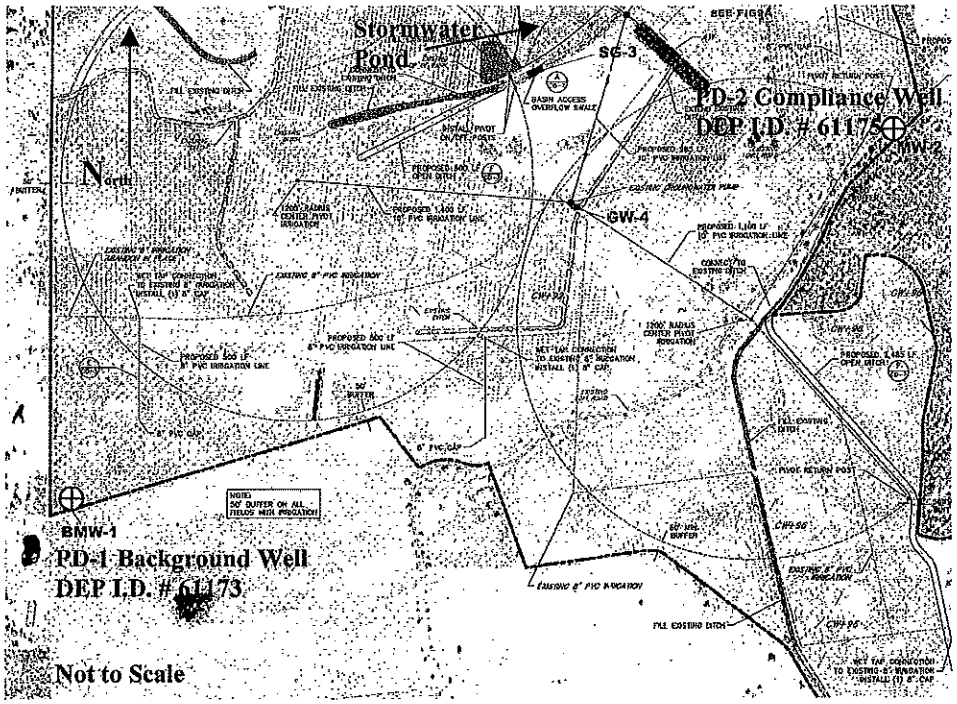
SIGNATURE OF INSPECTOR _____ DATE 2/24/04

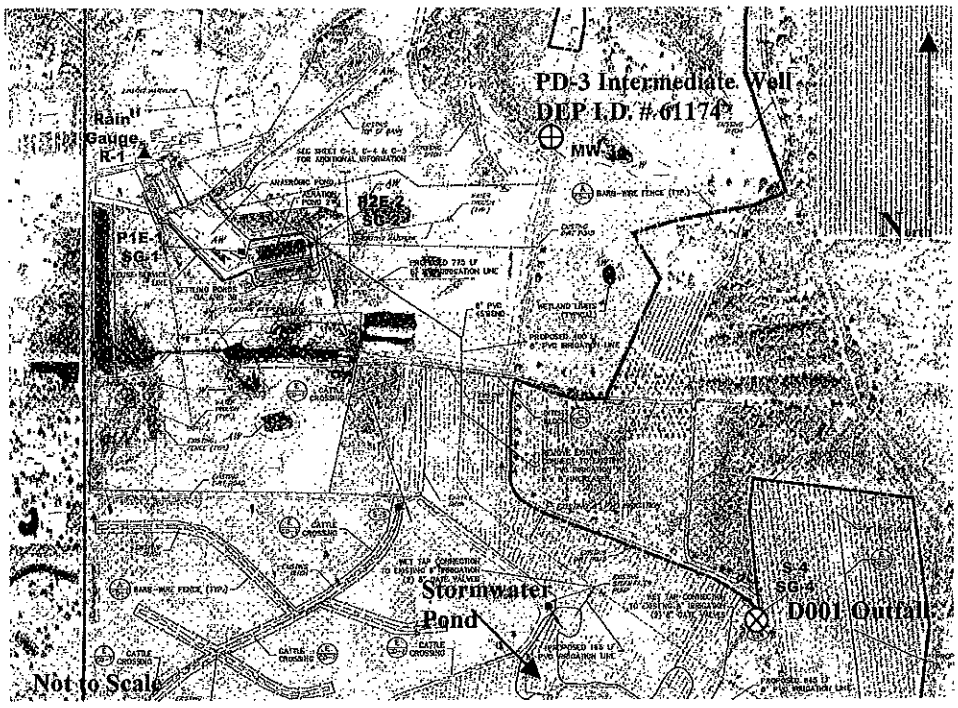
Ground Water Executive Summery for the Posey Dairy

The Posey Dairy has historically sheet flowed to onsite drainage features that eventually flowed or discharged to the northeast and ultimately into a low lying wetland area just south of Lake Placid. Improvements implemented over time and proposed in this permit application are to reduce or eliminate this discharge from the Posey Dairy. The major improvements consist of building ditch plugs and onsite drainage systems to redirect stormwater, wastewater and the very upper surficial aquifer (12″-18″) flow to an oversized 10-acre irrigation holding pond. This new pond will supply irrigation water for on-site pastures and hay fields. Some of these fields will also receive liquid and dry manure applications done under a NRCS approved CNMP. The concentrated feeding and milking operations (barn area) are located in a low elevation area found in the northwest corner of the site. Wastewater from this area is treated through a pond settling system and pumped up into the stormwater/wastewater irrigation pond located in the center of the dairy site. The ground water monitoring plan is designed to monitor ground water moving in a northeast direction. The contour elevations of the dairy farm, locations of the drainage basins, and the surrounding geomorphology of the landscape indicate it is unlikely historical ground water from this barn yard area would have flowed in a southeast, south or west direction.

The ground water monitoring plan proposed for this site consists of (3) three monitoring wells. The background well (BMW-1) is located in the very southwest corner of the site. The compliance well (CMW-2) is located due east of the stormwater/wastewater irrigation pond and the intermediate well (IMW-3) is located northeast and within 100′ feet of the milking parlor, farm barn and high-density dairy cow operations. The parameters of concern proposed in the ground water monitoring plan are pH, Fecal Coliform, Phosphorous Total, Ortho Phosphate, Specific Conductance and Nitrite plus Nitrate, Total. Dissolved solids parameters were not included in the recommended permit from IW Tallahassee staff and if it is determined that these parameters are to be included in the ground water monitoring plan they would consist of Total Dissolved Solids, Chloride and Sodium. All monitoring wells would be sampled quarterly for the duration of the (5) five year permit.

4. The groundwater monitoring wells and locations for the Posey Dairy are depicted on the site maps below:





B. Operational Requirements

1. Within 90 days of placing the new or modified wastewater facility into operation, or installation of the new monitoring wells, whichever occurs sooner, the permittee shall begin sampling ground water at the new monitoring wells identified in item III.B.2 below, in accordance with this permit and the approved ground water monitoring plan.

2. The following groundwater monitoring wells shall be sampled:

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Depth (Ft.)	Aquifer Monitored	New or Existing
MWB-61173	PD-1 Background well located in southwest corner of site.	15.0	Surficial	New
MWI-61174	PD-3 Intermediate well located northeast of confined pasture	15.0	Surficial	New
MWC-61175	PD-2 Compliance well located east of stormwater pond..	15.0	Surficial	New

MWB = Background; MWI = Intermediate; MWC = Compliance, MWP = Piezometer

3. The monitor wells specified in Condition III.B.2. shall be sampled for the parameters listed below:

Parameter Name	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
PH	6.5-8.5	SU	Grab	Quarterly
Temperature (F), Water	Report	DEG.F	Grab	Quarterly
Coliform, Fecal	Report	#/100ML	Grab	Quarterly
Phosphorus, Total (as P)	Report	MG/L	Grab	Quarterly
Phosphate, Ortho (as P)	Report	MG/L	Grab	Quarterly
Specific Conductance	Report	UMHO/CM	Grab	Quarterly
Nitrite plus Nitrate, Total (as N)	Report *	MG/L	Grab	Quarterly
Total Dissolved Solids (TDS)	500	MG/L	Grab	Quarterly

* See Administrate Order AO-36-SD for compliance well limits related to Nitrite plus Nitrate, Total (as N)

4. The zone of discharge for this project shall extend horizontally along the ground surface 100 feet from the edge of the pollution source or to the permittee's property boundary, whichever is less, and vertically to the base of the surficial aquifer.

5. The permittee's discharge to ground water shall not cause a violation of water quality standards for ground waters at the boundary of the zone of discharge in accordance with Rules 62-520.400 and 62-520.420, F.A.C.

6. The permittee's discharge to ground water shall not cause a violation of the minimum criteria for ground water specified in Rule 62-520.400, F.A.C., within the zone of discharge.

7. If the concentration for any constituent listed in Condition III.B.3, where the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative natural background quality shall be the prevailing standard.

8. Water levels shall be recorded prior to evacuating the well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NGVD allowable) at a precision of plus or minus 0.01 feet.

9. Ground water monitoring wells shall be purged prior to sampling to obtain a representative sample.

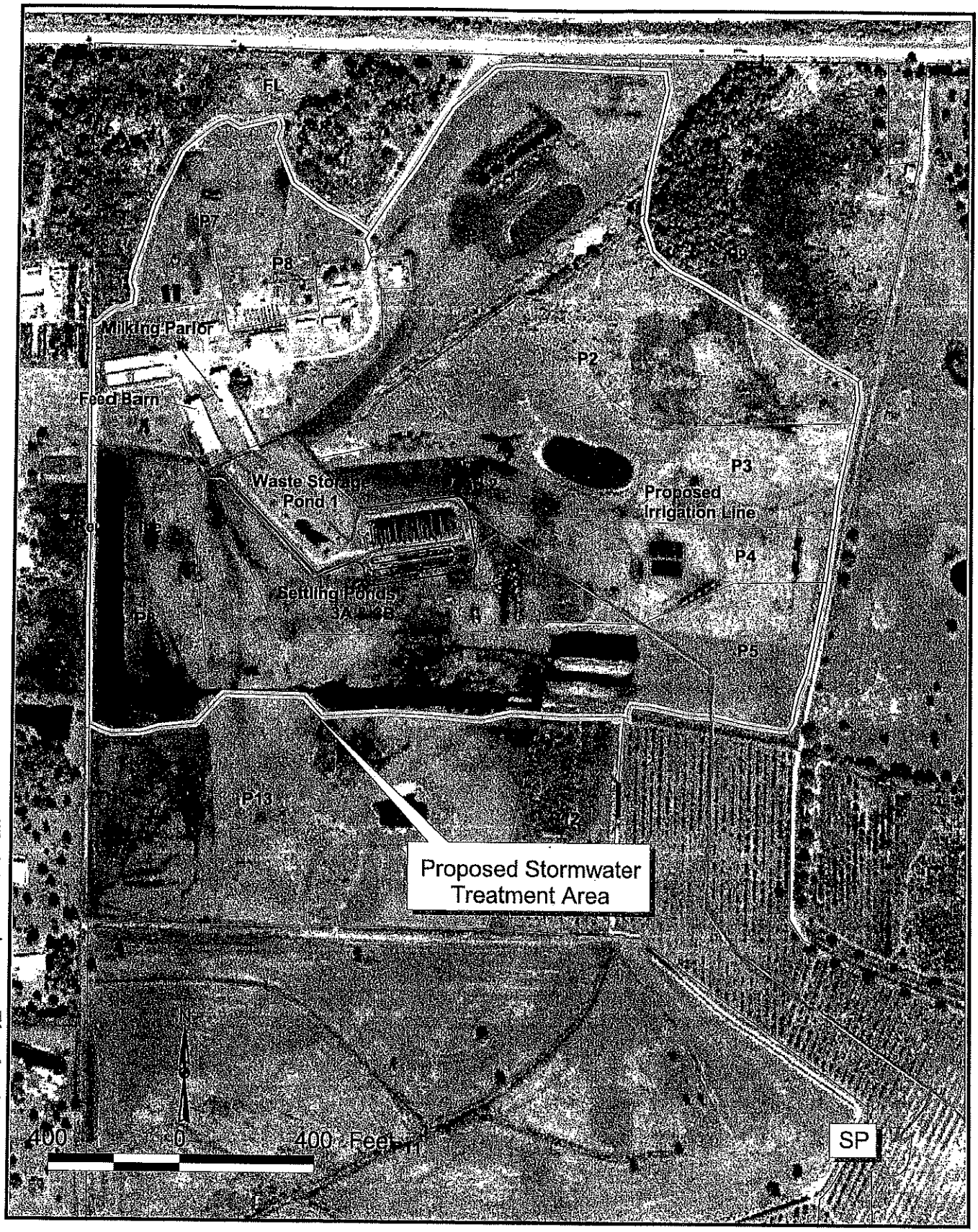
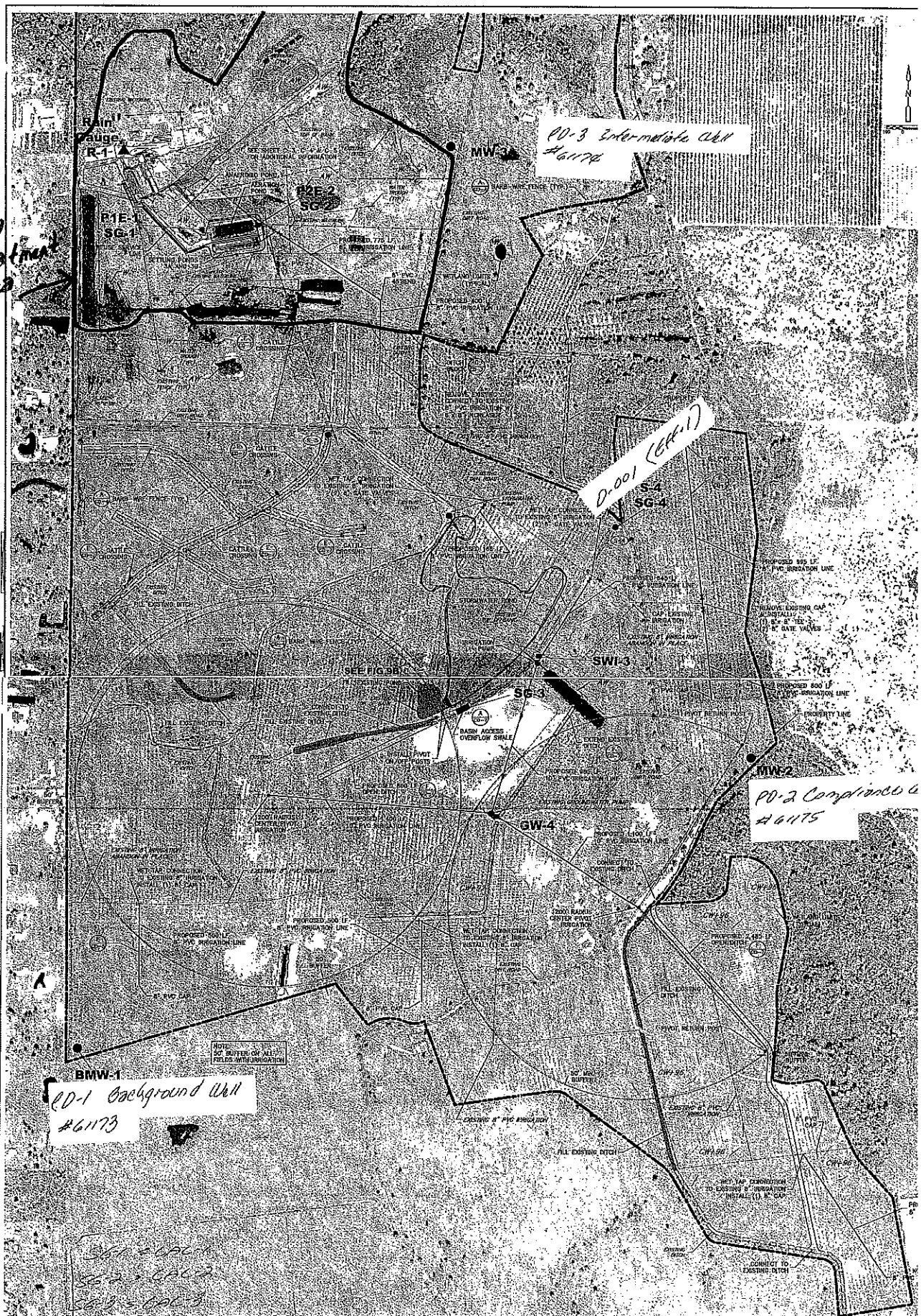


Figure No. 2
Farm Sketch


Rain Gauge R-1
MW-3
PD-3 Intermediate Well #61176
P2E-2 SG-2
P1E-1 SG-1
SW treatment area
D-001 (EPA-1)
S-4 SG-4
SWI-3
SEE FIG 9B
SG-3
BASIN ACCESS OVERFLOW SWALE
MW-2
PD-2 Compliance
#61175
GW-4
BMW-1
PD-1 Background Well #61173
SG-1 = GAC-1
SG-2 = GAC-2
SG-3 = GAC-3

Department of Environmental Protection

FILE

Jeb Bush
Governor

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

Colleen M. Castille
Secretary

STATE OF FLORIDA
NOTICE OF TRANSFER OF PERMIT

CERTIFIED MAIL NO.: 7005 0390 0005 8539 9951
RETURN RECEIPT REQUESTED

In the Matter of an Application
for Permit by:

Jacob N. Larson
Manager
SUMRSET LLC
9996 Highway 98 N
Okeechobee, Florida 34972

Highlands County - IW
SUMRSET LLC
Permit No. FLA284611
Transfer Number FLA284611-002-IWF

Dear Mr. Larson:

In response to your application for transfer of a permit, this is notification of the Department of Environmental Protection ("Department") revision of wastewater permit number FLA284611 to incorporate changes, issued under Section(s) 403.087 of the Florida Statutes. The permittee is changed as follows:

FROM:

Elvie O. Posey, President
Posey Dairy Inc.
15402 State Road 70 E
Okeechobee, Florida 34972

TO:

Jacob N. Larson, Manager
SUMRSET LLC
9996 Highway 98 N
Okeechobee, Florida 34972

This letter must be attached to the above referenced permit and becomes a permanent part thereof. The permit expiration date and all the conditions of the permit shall remain the same.

The Department's proposed agency action shall become final, unless a timely petition for an administrative proceeding (hearing) is filed pursuant to Sections 120.569 and 120.57 of the Florida Statutes before the deadline for filing a petition. The procedures for petitioning for an administrative hearing are set forth below.

A person whose substantial interests are affected by the Department's permitting decision may petition for an administrative hearing in accordance with the provisions of Sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed in (received by) the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

"More Protection, Less Process"

Printed on recycled paper.

Petitions filed by the permittee or by any of the parties listed below must be filed within fourteen (14) days of receipt of this written notice. Petitions filed by any person other than those entitled to written notice under Section 120.60(3) of the Florida Statutes must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of the written notice, whichever occurs first. However, pursuant to Section 120.60(3) of the Florida Statutes, any person who has asked the Department for notice of agency action may file a petition within fourteen (14) days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the permittee at the address indicated above at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the appropriate time period shall constitute a waiver of that person's right to request an administrative hearing under Sections 120.569 and 120.57 of the Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts upon which the Department's action is based must contain the following information:

(a) name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department's permit identification number, and the name of the county in which the subject matter or activity is located;
(b) A statement of how and when each petitioner received notice of the Department's action;
(c) A statement of how each petitioner's substantial interests are affected by the Department's action;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
(e) A statement of facts that the petitioner contends warrants reversal or modification of the Department's action.
(f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301 of the Florida Administrative Code.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation. The election may be accomplished by filing with the Department a mediation agreement with all parties to the proceeding (which include the permittee, the Department, and any person who has filed a timely and sufficient petition for hearing). The agreement must contain all the information required by Rule 28-106.404 of the Florida Administrative Code and must be filed in (received by) the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within ten (10) days after the deadline for filing a petition, as set forth above. Choosing

mediation will not adversely affect the right to an administrative hearing if mediation does not result in a settlement.

As provided in Section 120.573 of the Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57 of the Florida Statutes for holding an administrative hearing and issuing a final order. Unless otherwise agreed by the parties, the mediation must be concluded within sixty (60) days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons seeking to protect substantial interests that would be affected by such a modified final decision must file their petitions within the appropriate time period, as set forth above, or they shall be deemed to have waived their right to a proceeding under Sections 120.569 and 120.57 of the Florida Statutes. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57 of the Florida Statutes remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

This action is final and effective on the date filed with the clerk of the Department unless a petition (or request for mediation) is filed in accordance with the above provisions. Upon the timely filing of a petition (or request for mediation) this order will not be effective until further order of the Department.

Any party to this order has the right to seek judicial review of the order under Section 120.68 of the Florida Statutes by the filing of a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department in the Office of General Counsel, at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty (30) days from the date when this order is filed with the clerk of the Department.

Executed in Fort Myers, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Abdul B. Ahmadi, Ph.D., P.E.
Water Facilities Administrator

DATE: 05/01/2006

Jacob N. Larson, Manager
SUMRSET LLC
Permit No.: FLA284611-002-IWF

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF TRANSFER OF PERMIT and all copies were mailed by certified mail before the close of business on May 1, 2006 to the listed persons.

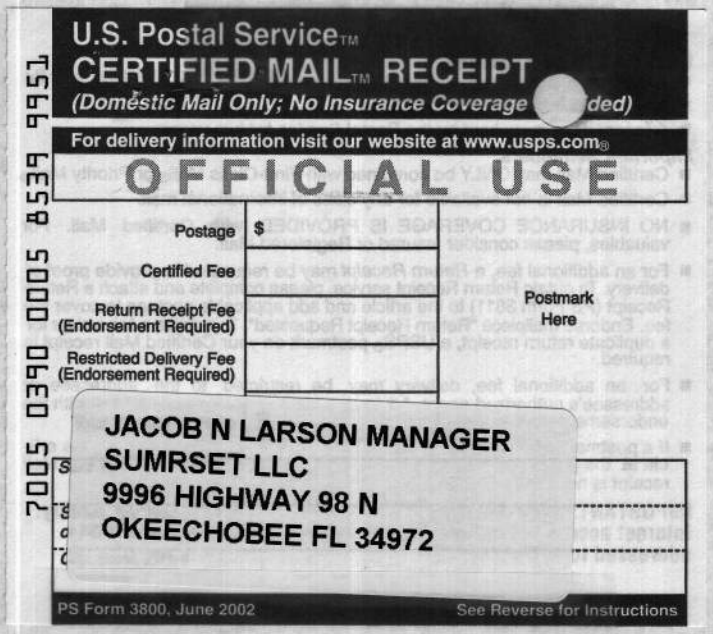
FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52(11) of the Florida Statutes with the designated Department clerk, receipt of which is hereby acknowledged.

Janice L. Ingram 5-1-06
Clerk Date

ABA/DLN/mv

Copies furnished to:
Elvie O. Posey
Elton Gissendanner
Laura Teal
Bert J. Harris, III
Francine Ffolkes, OGC-Tallahassee
Keith Kleinmann, FDEP-Ft. Myers



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JACOB N LARSON MANAGER
SUMRSET LLC
9996 HIGHWAY 98 N
OKEECHOBEE FL 34972

PS Form 3800, June 2002 — See Reverse for Instructions

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

JACOB N LARSON MANAGER
SUMRSET LLC
9996 HIGHWAY 98 N
OKEECHOBEE FL 34972

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery 5-3-06

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

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☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. 7005 0390 0005 8539 9951
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ABA/DW/mw IW

PS Form 3811, February 2004 — Domestic Return Receipt — 102595-02-M-1540

Chris Garth

From: noreply@salesforce.com on behalf of DEP PRR Regulatory <publicrecordsrequests_regulatory@dep.state.fl.us>
Sent: Thursday, August 15, 2019 7:36 AM
To: Chris Garth
Subject: Requested Records [ref:_00DG0i115._5004A1jDYhG:ref]



Good morning,

This email relates to your Public Records Request:

> We are conducting a contamination study for the SR 70 project corridor in Highlands County & noted this dairy facility is/was listed on 2 databases:
>
> Posey Dairy (aka Sumrset LLC)
>
> 3600 SR 70, Lake Placid, Highlands County
>
> AFO/CFAO Permit: FLA284611,
>
> FRS ID: 110035475633
>
> Since the AFO permit appears to have expired (2011), could you please provide, or direct us who to contact to obtain the closure/assessment (including maps/figures) report for this facility? Also, is a copy of the permit available?

The Florida Department of Environmental Protection has included the appropriate records at this link: wastewater docs

Additionally, please see this response from the Industrial Wastewater program:

Files for this facility that contain permits, maps, nutrient management plan, and more are in OCULUS. The facility ceased operating as a dairy on November 13, 2006, and FDEP was contacted about the closing in a letter dated December 19, 2006. The permit did not require the facility to submit a closure/assessment, and it appears that the letter dated December 19, 2006 was sufficient.

If you have any questions, please feel free to contact us.

Thank you for contacting DEP. Have a wonderful day!

Lauren

Did you know you can access many public records from your personal computer using our free public online resources? The Florida Department of Environmental Protection has several public online databases where records are stored: OCULUS, DEP Information Portal and Map Direct.

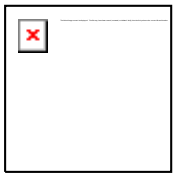
Please look below for more information on each database. For your future records needs, you might try checking out one of these databases before submitting a request.

- OCULUS
  - You can search for records in OCULUS using a facility-site ID, facility address, or facility name.
  - You can open OCULUS here.
  - If you need help maneuvering OCULUS, please use this helpful guide: OCULUS Instruction.
- DEP Information Portal
  - You can search for records in the DEP Information Portal using a facility-site ID, facility address, or facility name.
  - You can open the DEP Information Portal here.
  - If you need help maneuvering the DEP Information Portal, please use this helpful guide: DEP Portal Instruction.
- Map Direct
  - You can search for records using Map Direct using a facility address.
  - You can open Map Direct here.
  - If you need help maneuvering Map Direct, please use this helpful guide: Map Direct Instruction.

In accordance with Chapter 119, Florida Statutes, public records requests will be processed within a reasonable time, and each request is processed in the order that it was received. Depending on the specific request, there may be a fee* assessed for processing.

***Notice of Fees and Charges**: Although many public records are provided at no cost there may be charges for extensive use of staff time and resources (119.07(04) F.S.). Extensive use is defined as more than 30 minutes of staff and/or computer resource time. There may also be charges for paper copies, CD/DVDs, postage and other expenses. When possible we will provide you with an estimate of any costs in advance. Note that when charges are accrued records may not be released until payment has been made in full. For more information on public records please visit our web page at: www.dep.state.fl.us/secretary/ps/default.htm.

***Please note**: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.*



Public Records Request Liaison
Florida Department of Environmental Protection
Division of Water Resource Management
PublicRecordsRequests_Regulatory@dep.state.fl.us
Office: 850.245.8362 & 850.245.8391

ref:_00DG0i115._5004A1jDYhG:ref

www.dep.state.fl.us

Map ID 7 – Former Division of Forestry – Herren Nursery
1801 SR 70

Entered into
OCULUS
South District

Tank Closure Assessment
Florida Division of Forestry
Herren Nursery
1801 State Road 70 West
Lake Placid, Florida
FDEP No. 288521077

Prepared for

Department of Agriculture and Consumer Services
3125 Conner Boulevard
Tallahassee, Florida 32399-1650

December 1995

Prepared by

J.A. Jones Environmental Services Company
8936 Western Way, Suite 10
Jacksonville, Florida 32256

JAJESC Project No. 388-09-292

RECEIVED
DEC 2 6 1995
D.E.P. South District

SECTION 1

INTRODUCTION

According to 40 Code of Federal Regulations (CFR) Section 280.72, *Assessing the Site at Closure*, and the Florida Administrative Code (FAC) 62-761, *Underground Storage Tank Systems*, all tank system owners or operators of regulated substance storage tank systems are responsible for conducting a closure assessment when a storage tank system is permanently closed or replaced. A Tank Closure Assessment (TCA) is required to determine if a discharge of a regulated substance to the soil or groundwater has occurred.

On November 14, 1995, J.A. Jones Environmental Services Company (JAJESC) conducted a TCA for the Department of Agriculture and Consumer Services (DACS) at their Herren Nursery facility located at 1801 State Road 70 West, Lake Placid, Florida. The TCA was conducted in accordance with the guidelines set forth in a Florida Department of Environmental Protection (FDEP) interoffice memorandum titled "*Pollutant Storage Tank Closure Assessment Requirements*", dated June 1994.

The tank closure consisted of the removal of one 1,000-gallon diesel fuel underground storage tank (UST), one 2,000-gallon unleaded gasoline UST, and associated piping. JAJESC personnel supervised the excavation, inspected the materials removed from the UST pit, collected soil samples from various locations and depths, and screened the samples for petroleum hydrocarbon vapors.

SECTION 2

SITE BACKGROUND

The Herren Nursery facility is owned by the State of Florida and operated by DACS Division of Forestry personnel. The facility is located in Section 31, Township 37 South, Range 30 East on the Childs, Florida, United States Geological Survey (USGS) 7.5 minute topographic quadrangle map (**Figure 1**). Specifically, the site is located approximately 1.25 miles west of the intersection of US Highway 27 and State Road 70.

In 1985, one 1,000-gallon diesel UST and one 2,000-gallon unleaded gasoline UST were installed in a tank pit located approximately 85 feet south of the Herren Nursery machine shop. The UST's were constructed of fiberglass-coated steel and used to store fuel utilized by Florida Division of Forestry personnel for site vehicles and equipment. The former fuel dispenser island was located approximately 15 feet south of the UST pit. The UST system was pumped free of product and has been non-operational since June 30, 1990.

A preliminary assessment was conducted at the Herren Nursery facility on September 6, 1995. During the preliminary assessment, a soil gas survey was conducted in the UST pit and adjacent to the fuel dispenser island. No excessively-contaminated soil was encountered during the the preliminary assessment. The soil gas survey data from September 6, 1995, is enclosed in **Appendix A**

SECTION 3

TANK CLOSURE ASSESSMENT

The principal objective of a closure assessment is to identify existing contamination which may have originated from the storage tank system. Methods of identifying contamination include: visual inspection of the excavation and UST's, screening the soil for petroleum hydrocarbon vapors, and collecting a groundwater sample for laboratory analyses.

On November 14, 1995, one 1,000-gallon UST and one 2,000-gallon UST and associated piping were excavated and removed from Herren Nursery facility. JAIESC personnel conducted the removal of the UST's, supervised the excavation, inspected the material being removed from the excavation, and collected and screened soil samples for petroleum hydrocarbon vapors from various locations and depths throughout the excavation pit. **Figure 2** illustrates the locations of the former UST's and fuel dispenser island.

The soil samples were collected and screened for petroleum hydrocarbon vapors as specified in Chapter 62-770, FAC, and in the *Quality Assurance Standard Operating Procedures for Petroleum Storage System Closure Assessments*. Soil samples, SB-1 through SB-15, were collected from various locations and depths throughout the excavation. The soil samples were screened for petroleum hydrocarbon vapors using a Photovac MicroTIP, Model No. IS-3000 photoionization detector - organic vapor analyzer (PID-OVA). The PID-OVA is designed to screen for petroleum hydrocarbon vapors without interference from naturally occurring organic vapors (i.e., methane). Therefore, only one measurement per sampling location is required.

Section 62-770.200, FAC, defines excessively-contaminated soil for UST systems which have stored gasoline and diesel fuel as soil which exhibits a petroleum hydrocarbon vapor concentration of 50 parts per million (ppm) or greater. The 50 ppm limit is based on the response of a flame ionization detector - organic vapor analyzer (FID-OVA) to the diesel fuel constituents; however, a PID-OVA was used during this assessment. In accordance with the correlation documentation enclosed in **Appendix B**, an equivalency correlation value of 55 ppm was used for the PID-OVA response in place of the 50 ppm response of the FID-OVA. The MicroTIP models cited in the report contained in **Appendix B** are equivalent to the model used during this TCA. A copy of the specifications for this model and the model cited in the report are included in **Appendix B** for comparison purposes. The results of the soil vapor analyses are listed in **Table 1**. **Figure 3** illustrates the locations in which each soil sample was collected in the UST excavation pit. The petroleum hydrocarbon vapor concentrations from the UST excavation pit ranged from 0.0 ppm to 24.2 ppm.

The material removed from the excavation consisted of white fine-grained sand. During the UST removal on November 14, 1995, the soil/groundwater interface was encountered at a depth of approximately 5 feet below land surface (ft bls).

The total areal extent of the excavation illustrated in **Figure 3** was approximately 552 square feet; and the depth of the excavation varied between 5 and 7 ft bls. The depth of the excavation was determined by the depth necessary for removal of the UST's. Approximately 90 to 120 cubic yards (cy) of nonexcessively-contaminated soil was returned to the excavation following completion of the tank removal; and additional clean backfill was added to bring the excavation up to grade. Subsequently, the area was compacted and reseeded for grass.

Upon removal from the excavation pit, the UST's were visually inspected. Both UST's appeared to be in good structural condition. No obvious signs of cracks, holes, rust, or corrosion were visible.

According to the FDEP interoffice memorandum titled "*Pollutant Storage Tank Closure Assessment Requirements*", dated June 1994, "groundwater samples must be obtained when the groundwater table is less than 20 feet". Therefore, a temporary piezometer was installed in the UST excavation pit, and a groundwater sample, PZ-1, was collected (**Figure 3**). After collecting the groundwater sample, the temporary peizometer was removed from the ground and, its borehole was backfilled with native soil. The groundwater sample was transported to PC&B Environmental Laboratories, Inc. (PC&B), Oviedo, Florida, and analyzed for Volatile Organic Aromatics (VOA) by EPA Method 602, and Poly Aromatic Hydrocarbons (PAH) by EPA Method 610, as specified in Section 62-761, FAC. PC&B is a state-certified laboratory and has an approved Comprehensive Quality Assurance Plan (CompQAP) on file with the FDEP.

The laboratory analyses of the groundwater sample did not indicate the presence of any VOA or PAH constituents. The laboratory report from the analyses of the groundwater sample is enclosed in **Appendix C**.

A completed TCA Form, and copies of the Storage Tank Registration Form, and an Underground Storage Tank Installation And Removal Form For Certified Contractors for this site are enclosed in **Appendix D**.

SECTION 4

CONCLUSIONS

JAJESC conducted a TCA for the DACS Division of Forestry, Herren Nursery facility, in November 1995. The TCA included: the removal of one 1,000-gallon UST and one 2,000-gallon UST and associated piping, inspection of the soil removed from the excavation, collection of soil samples for PID-OVA analyses, and collection of a groundwater sample for laboratory analyses.

Based on the fact that no excessively-contaminated soil was encountered at the site, and the analytical data from the groundwater sample did not indicate the presence of VOA or PAH constituents, JAJESC recommends "No Further Action" for this facility.

TABLE 1
SOIL VAPOR ANALYSES
Herren Nursery, 1801 State Road 70 West, Lake Placid, Florida

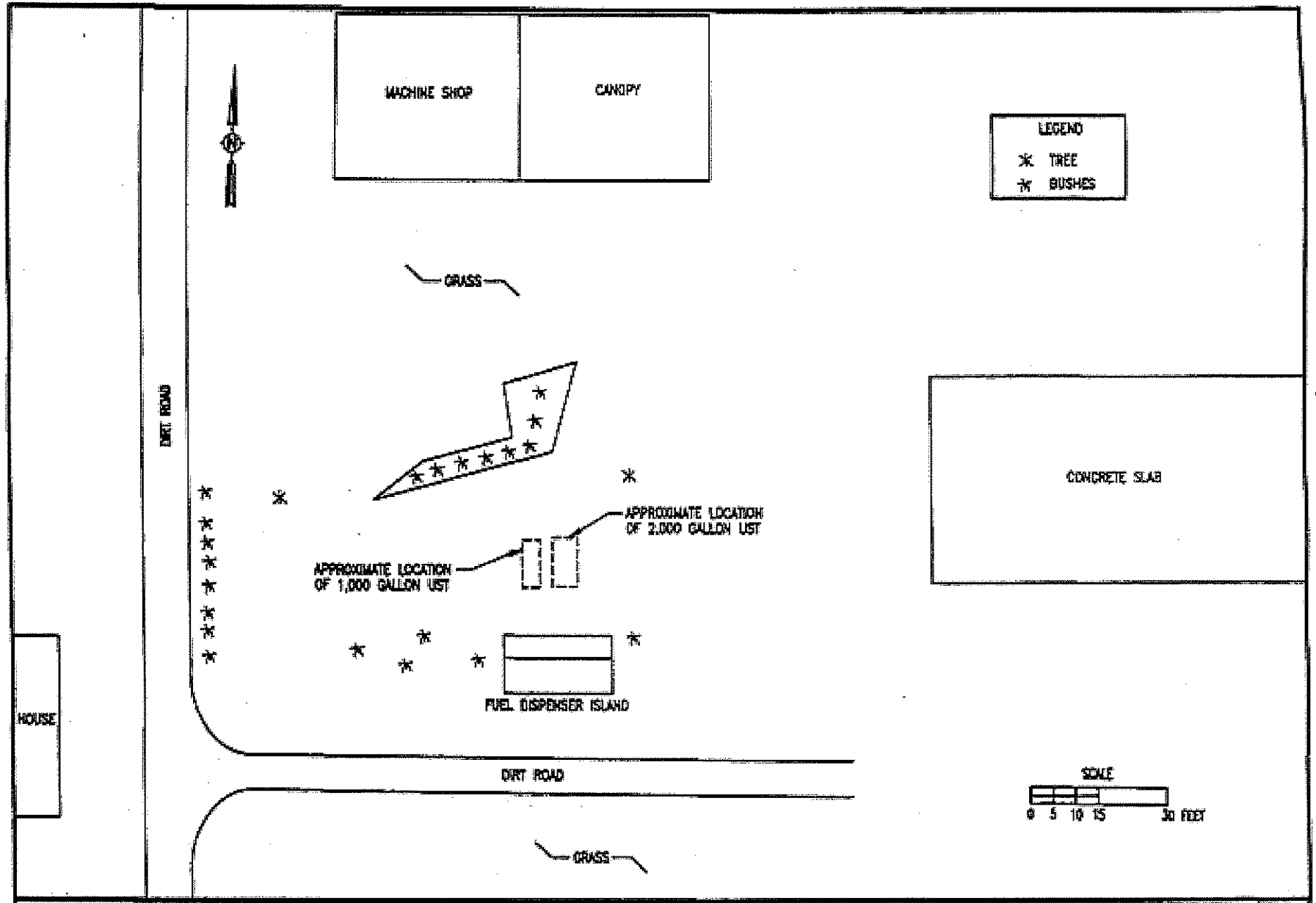
Soil Boring Number	Sample Depth ft bls	Total Petroleum Vapors (ppm)	Comments
SB-1	2	0	Above The Tank
SB-2	2	0	Above The Tank
SB-3	3	0	
	6	0	
SB-4	3	0	
	6	0	
SB-5	3	24.2	
	6	0	
SB-6	3	10.1	
	6	0	
SB-7	3	0	
	6	0	
SB-8	3	0	
	6	0	
SB-9	2	0	Above The Tank
SB-10	2	0	Above The Tank
SB-11	3	0	
	6	0	
SB-12	3	0	
	6	0	
SB-13	7	0	Below The Tank
SB-14	7	0	Below The Tank
SB-15	3	0	
	6	0	

Notes:

All vapor concentrations reported in parts per million (ppm).

Vapor concentrations determined by Photovac 1S-3000, photoionization detector.

ft bls = feet below land surface.



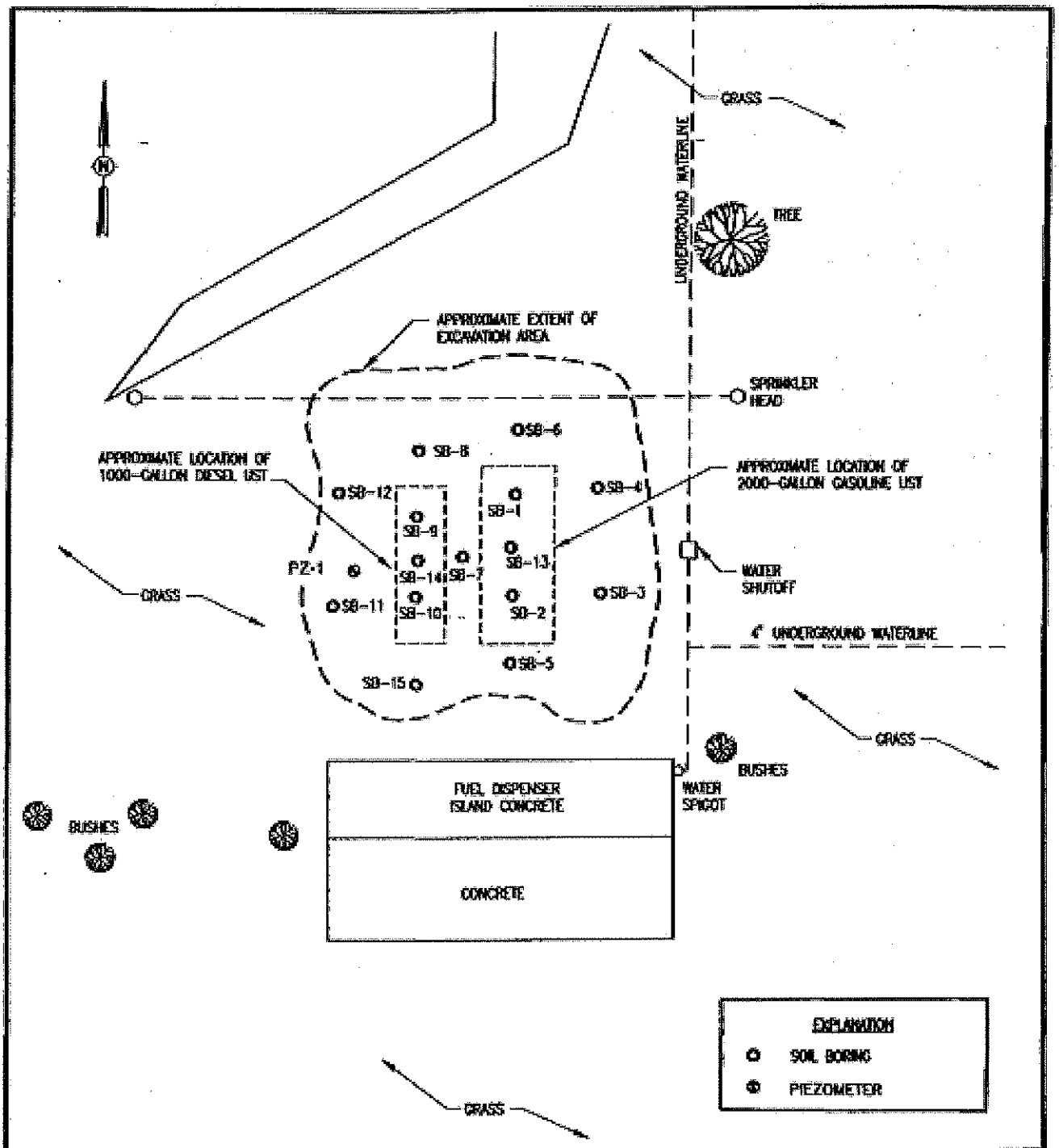
J.A. JONES ENVIRONMENTAL SERVICES

HERREN NURSERY
1801 STATE ROAD 70
LAKE PLACID, FLORIDA

SITE PLAN

FIGURE 2

PROJECT NO. 038-09-292



J.A. JONES ENVIRONMENTAL SERVICES

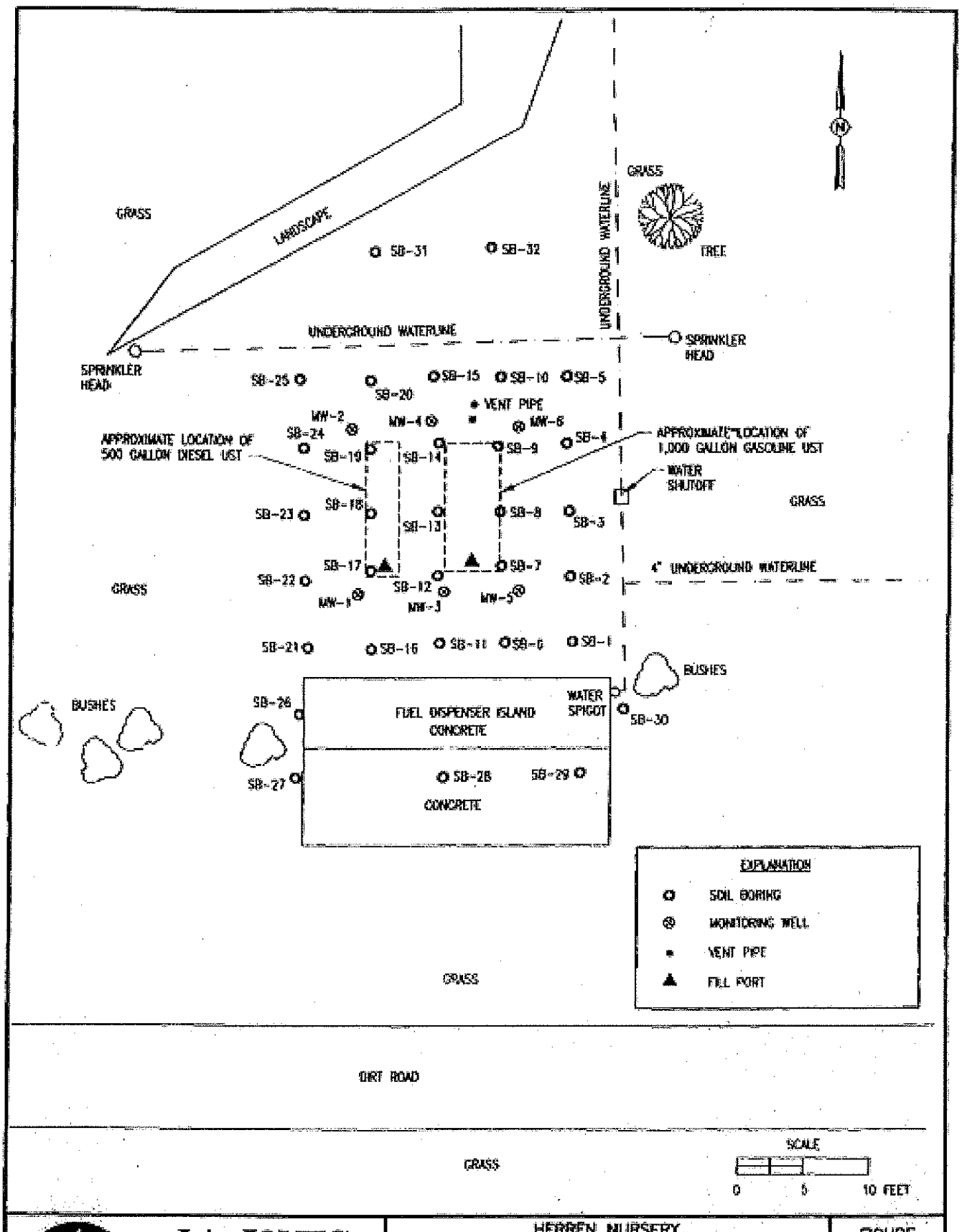
HERREN NURSERY
1801 STATE ROAD 70
LAKE PLACID, FLORIDA

TANK EXCAVATION AREA WITH SOIL BORING LOCATIONS

FIGURE
3
PROJECT NO.
038-09-292

APPENDIX A

SOIL GAS SURVEY
SEPTEMBER 6, 1995



J.A. JONES ENVIRONMENTAL SERVICES

HERREN NURSERY
1801 STATE ROAD 70
LAKE PLACID, FLORIDA

MONITORING WELL AND SOIL BORING

FIGURE 1

PROJECT NO. 038-09-291

TABLE 1
Soil Boring Lithologic and Soil Vapor Concentration Log

Facility Name: Herren Nursery

Facility Address: 1801 State Road 70

Lake Placid, Florida

Date: September 6, 1995

JAJESC Site Investigation Team: Ray Typer and David Poweski

Total Footage of Soil Borings: 166 ft

Soil Boring Number	Soil Sample Interval (feet)	Total Organic Vapors (ppm)	Total Methane Vapors (ppm)	Total Petroleum Vapors (ppm)	Lithology of Soil Boring	Total Depth of Boring (feet)
SB -1	1.5	6.8	< 0.2	6.8	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	2	< 0.2	2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	0.4	< 0.2	0.4	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -2	1.5	2.2	< 0.2	2.2	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	0.4	< 0.2	0.4	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	0.2	< 0.2	0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -3	1.5	5	< 0.2	5	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	2	< 0.2	2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	3.8	< 0.2	3.8	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -4	1.5	< 0.2	< 0.2	< 0.2	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -5	1.5	4.4	< 0.2	4.4	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	7	< 0.2	7	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -6	1.5	< 0.2	< 0.2	< 0.2	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -7	1.5	< 0.2	< 0.2	< 0.2	0.0 - 0.5 ft, Fine-grained brown sand with abundant organics	
	3.0	5.4	< 0.2	5.4	0.5 -3.0 ft, brown fine-grained sand with abundant organics	
					Installed above UST	3.0 ft

TABLE 1
Soil Boring Lithologic and Soil Vapor Concentration Log

Soil Boring Number	Soil Sample Interval (feet)	Total Organic Vapors (ppm)	Total Methane Vapors (ppm)	Total Petroleum Vapors (ppm)	Lithology of Soil Boring	Total Depth of Boring (feet)
SB -8	1.5	1.6	< 0.2	1.6	0.0 - 0.5 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	0.5 -3.0 ft, Lt. brown fine-grained sand with abundant organics	
					Installed above UST	3.0 ft
SB -9	1.5	1.6	< 0.2	1.6	0.0 - 0.5 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	0.5 -3.0 ft, Lt. brown fine-grained sand with abundant organics	
					Installed above UST	3.0 ft
SB -10	1.5	< 0.2	< 0.2	< 0.2	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -11	1.5	< 0.2	< 0.2	< 0.2	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -12	1.5	< 0.2	< 0.2	< 0.2	0.0 - 0.5 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	0.5 -4.0 ft, Light brown fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	4.0 - 5.5 ft, Gray fine-grained sand with < 5% fines	5.5 ft
SB -13	1.5	1.4	< 0.2	1.4	0.0 - 0.5 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	0.5 -4.0 ft, Light brown fine-grained sand with < 5% fines	
	5.5	3.8	< 0.2	3.8	4.0 - 5.5 ft, Gray fine-grained sand with < 5% fines	5.5 ft
SB -14	1.5	9.4	< 0.2	9.4	0.0 - 0.5 ft, Fine-grained brown sand with abundant organics	
	3.0	11	< 0.2	11	0.5 -4.0 ft, Light brown fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	4.0 - 5.5 ft, Gray fine-grained sand with < 5% fines	5.5 ft
SB -15	1.5	44	< 0.2	44	0.0 - 0.5 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	0.5 -4.0 ft, Light brown fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	4.0 - 5.5 ft, Gray fine-grained sand with < 5% fines	5.5 ft
SB -16	1.5	< 0.2	< 0.2	< 0.2	0.0 - 0.5 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	0.5 -4.0 ft, Light brown fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	4.0 - 5.5 ft, Gray fine-grained sand with < 5% fines	5.5 ft

TABLE 1
Soil Boring Lithologic and Soil Vapor Concentration Log

Soil Boring Number	Soil Sample Interval (feet)	Total Organic Vapors (ppm)	Total Methane Vapors (ppm)	Total Petroleum Vapors (ppm)	Lithology of Soil Boring	Total Depth of Boring (feet)
SB -17	1.5	< 0.2	< 0.2	< 0.2	0.0 - 0.5 ft, Fine-grained brown sand with abundant organics	
	4.5	< 0.2	< 0.2	< 0.2	0.5 -4.5 ft, Light brown fine-grained sand with < 5% fines	
					Installed above UST	4.5 ft
SB -18	1.5	< 0.2	< 0.2	< 0.2	0.0 - 0.5 ft, Fine-grained brown sand with abundant organics	
	4.5	< 0.2	< 0.2	< 0.2	0.5 -4.5 ft, Light brown fine-grained sand with < 5% fines	
					Installed above UST	4.5 ft
SB -19	1.5	< 0.2	< 0.2	< 0.2	0.0 - 0.5 ft, Fine-grained brown sand with abundant organics	
	4.5	< 0.2	< 0.2	< 0.2	0.5 -4.5 ft, Light brown fine-grained sand with < 5% fines	
					Installed above UST	4.5 ft
SB -20	1.5	0.8	< 0.2	0.8	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -21	1.5	0.6	< 0.2	0.6	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -22	1.5	0.6	< 0.2	0.6	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -23	1.5	< 0.2	< 0.2	< 0.2	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -24	1.5	1	< 0.2	1	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -25	1.5	0.4	< 0.2	0.4	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft

TABLE 1
Soil Boring Lithologic and Soil Vapor Concentration Log

Soil Boring Number	Soil Sample Interval (feet)	Total Organic Vapors (ppm)	Total Methane Vapors (ppm)	Total Petroleum Vapors (ppm)	Lithology of Soil Boring	Total Depth of Boring (feet)
SB -26	1.5	< 0.2	< 0.2	< 0.2	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -27	1.5	0.2	< 0.2	0.2	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	< 0.2	< 0.2	< 0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -28	1.5	0.4	< 0.2	0.4	0.0 - 1.0 ft ,Concreat/ Fine-grained sand with abundant organics	
	3.0	0.2	< 0.2	0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	0.2	< 0.2	0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -29	1.5	< 0.2	< 0.2	< 0.2	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	1.2	0.4	0.8	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB -30	1.5	1.2	< 0.2	1.2	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	0.2	< 0.2	0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB-31	1.5	< 0.2	< 0.2	< 0.2	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	< 0.2	< 0.2	< 0.2	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	0.2	< 0.2	0.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft
SB-32	1.5	4	< 0.2	4	0.0 - 1.0 ft, Fine-grained brown sand with abundant organics	
	3.0	1.8	< 0.2	1.8	1.0 - 2.5 ft, Light gray fine-grained sand with < 5% fines	
	5.5	1.2	< 0.2	1.2	2.5 - 5.5 ft,White/gray fine-grained sand with < 5% fines	5.5 ft

All vapor concentrations reported in parts per million (ppm).

Vapor concentrations determined by Foxboro Model 128, Flame Ionization Detector.

Map ID 8 – Worley Block/Black Bear Citrus/Lake Placid Groves – Air Strip
1307 SR 70 West
And 25 Pump Road

Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road. Tallahassee, Florida 32399-2400
Division of Waste Management
Bureau of Petroleum Storage Systems

Storage Tank Facility Closure Site Inspection Report

Facility Information

Facility ID:	9401208	County:	HIGHLANDS	Inspection Date:	09/03/2008
Facility Name:	WORLEY BLOCK			Facility Type:	M - Agricultural
	1307 HWY 70 W			# Of Inspected ASTs:	1
	LAKE PLACID, FL 33852			USTs:	0
Latitude:	27° 12' 41.7"			Mineral Acid Tanks:	0
Longitude:	81° 20' 59.2"				
L/L Method:	AGPS				

Inspection Result

Result : In Compliance

Description: Facility is in compliance

A re-inspection will be scheduled on or after 90 days to verify correction of the non-compliance items noted.

Financial Responsibility Over Due

Financial Responsibility: INSURANCE

Insurance Carrier: COMMERCE & INDUSTRY

Effective Date: 08/28/1996 Expiration Date: 08/11/2005

Signatures

TKOKPH - OKEECHOBEE COUNTY HEALTH DEPARTMENT
Storage Tank Program Office

(863) 462-5811
Storage Tank Program Office Phone Number

HARRY MOLDENHAUER
Inspector Name

Mailed to IAD CAPITAL
Facility Representative Name


Inspector Signature

No signature available
Facility Representative Signature

Inspection Comments

09/03/2008 Tank was removed and disposed of by facility personnel in the fall of 2007.

This tank was initially installed in containment. System has no history of reported releases. No staining noted in vicinity of containment. No assessment required at this time.

If a subsequent discharge of petroleum or petroleum products is discovered at this site, the Department may require site rehabilitation to reduce contaminant concentrations to levels established in 62-770 Florida Administrative Code.

Registration update will be submitted by this office.

Site Visit Comments

11/06/2007 Tank has been removed. Containment damaged during removal. No visual evidence of a discharge. No Odors noted. Vegitation growing all around containment. No staining noted.

Inspection Attachments

01. 2007-11-06-Closure-HM - containment from North West



02. 2007-11-06-Closure-HM - containment from South



Inspection Attachments

03. 2007-11-06-Closure-HM - containment from North East



04. 2007-11-06-Closure-HM - Inside containment from West.



Chris Garth

From: Moldenhauer, Harry <Harry.Moldenhauer@flhealth.gov>
Sent: Tuesday, September 13, 2016 2:38 PM
To: Chris Garth
Subject: RE: Worley Block Fac. ID 9401208 _ Lake Placid, Highlands County
Attachments: img20160913_14354210.pdf

No further activity at this site since the referenced closure inspection. The AST was considered exempt from assessment activities due to initial installation in secondary containment.

As this is listed as an agricultural site, the 500 gallon tank is exempt from regulation and was not tracked by this office. I have scanned and attached a crude sketch of the tank location from 1994.

Respectfully

Harry L. Moldenhauer, R.S.
FL Dept of Health in Okeechobee Cnty
1728 NW 9th Ave.
Okeechobee FL 34972-4340
Office (863) 462-5811
Cell (863) 634-4482
harry.moldenhauer@flhealth.gov

MISSION: To promote, protect and improve the health of all people in Florida through integrated state, county, & community efforts.

Please note Florida has a very broad public health records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your email communications are being archived for at least three years and may therefore be subject to public disclosure.

From: Chris Garth [mailto:cgarth@tierraeng.com]
Sent: Tuesday, September 13, 2016 10:39 AM
To: Moldenhauer, Harry
Subject: FW: Worley Block Fac. ID 9401208 _ Lake Placid, Highlands County

Also, any location ideas regarding the 500-gal. UST that was registered in 1994?

Chris Garth
TIERRA, INC.
T 813.989.1354 | F 813.989.1355 | C 813.766.0269
geotechnical environmental materials engineering

From: Chris Garth
Sent: Tuesday, September 13, 2016 10:32 AM
To: 'Harry Moldenhauer (Harry_Moldenhauer@doh.state.fl.us)'
Subject: Worley Block Fac. ID 9401208 _ Lake Placid, Highlands County

Mr. Moldenhauer,

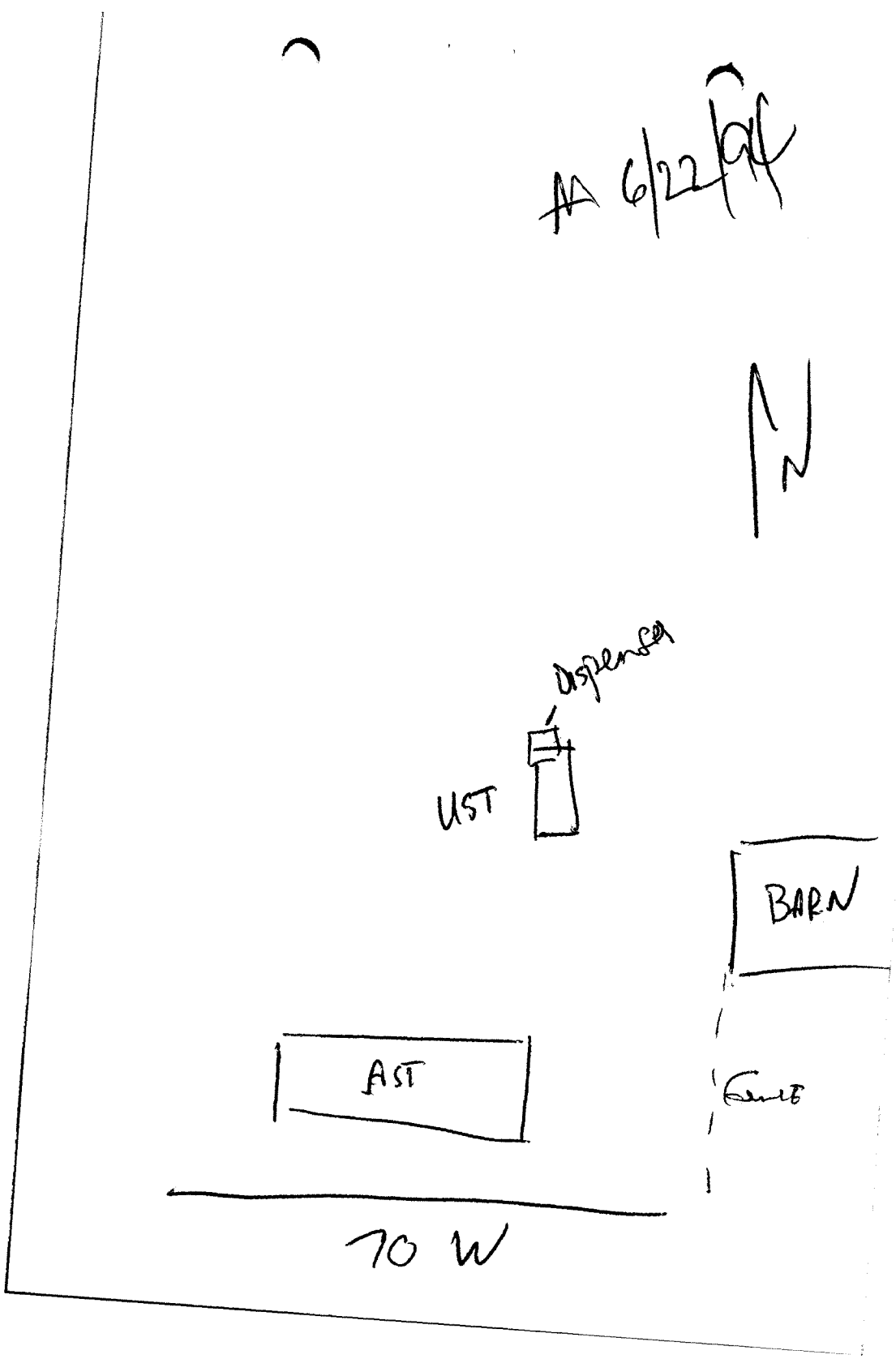
I am conducting an FDOT PD&E Study for the SR 70 project corridor (east & west of US 27) located in Highlands County & wanted to see if any further closure/assessment of this tank/facility has taken place since this 2008 closure inspection (see attachment). If so, is it possible to obtain a copy of the document via email? Please call if you have questions or concerns.

Thanks,

Chris Garth
Senior Scientist
TIERRA, INC.
7351 Temple Terrace Highway | Tampa, Florida 33637
T 813.989.1354 | F 813.989.1355 | C 813.766.0269
cgarth@tierraeng.com | www.tierraeng.com
geotechnical environmental materials engineering

This e-mail and any attachments are confidential. If you have received this email in error, you should not retain, distribute, disclose or use any of the information in this email and you should immediately destroy the e-mail, including any attachments or copies. E-mail transmission cannot be guaranteed as secure or error-free as information could be intercepted, corrupted, lost, destroyed, received late or incomplete. Therefore, the sender does not accept liability for any error or omission in the contents of this message, which may arise as a result of e-mail transmission. If verification is required, please request a hard-copy version from the sender.

A 6/22/94



Map ID 12 – Former Sunshine Newspaper Printing
3109 Old SR 8

Florida Department of

Environmental Protection

Hazardous Waste Inspection Report

FACILITY INFORMATION:

Facility Name: Sunshine Newspaper Printing

On-Site Inspection Start Date: 05/11/2017 **On-Site Inspection End Date:** 05/11/2017

ME ID#: 56541 **EPA ID#:** FLR000020172

Facility Street Address: 3109 Old Sr #8, Lake Placid, FL 33852

Contact Mailing Address: 3109 Old Sr #8, Lake Placid, FL 33852-0000

County Name: HIGHLANDS **Contact Phone:** (941) 465-4213

NOTIFIED AS:

SQG (100-1000 kg/month)

INSPECTION TYPE:

Site Visit Inspection for Closed facility

INSPECTION PARTICIPANTS:

Principal Inspector: Karen R. Bayly, Environmental Consultant

Other Participants: Renee Kwiat, Environmental Consultant; xxx,

LATITUDE / LONGITUDE: Lat 27° 12' 33.1159" / Long 81° 20' 42.6317"

SIC CODE: Data is missing from FIESTA

TYPE OF OWNERSHIP: Private

Introduction:

A site visit was conducted at Sunshine Newspaper Printing on May 11, 2017. The facility is closed and no longer operating at this location.

1.0 - Pre-Inspection Checklist

Requirements:

The requirements listed in this section provide an opportunity for the Department's inspector to indicate the conditions found at the time of the inspection. A "Not Ok" response to a requirement indicates either a potential violation of the corresponding rule or an area of concern that requires more attention. Both potential violations and areas of concern are discussed further at the end of this inspection report.

Item No.	Pre-Inspection Review	Yes	No	N/A
1.1	Has the facility notified with correct status? 262.12			✓
1.2	Has the facility notified of change of status? 62-730.150(2)(b)			✓
1.3	Did the facility conduct a waste determination on all wastes generated? 262.11			✓

Signed:

A hazardous waste compliance inspection was conducted on this date, to determine your facility's compliance with applicable portions of Chapters 403 & 376, F.S., and Chapters 62-710, 62-730, 62-737, & 62 -740 Florida Administrative Code (F.A.C.). Portions of the United States Environmental Protection Agency's Title 40 Code of Federal Regulations (C.F.R.) 260 - 279 have been adopted by reference in the state rules under Chapters 62-730 and 62-710, F.A.C.

Karen R. Bayly	Environmental Consultant	
PRINCIPAL INSPECTOR NAME	**PRINCIPAL INSPECTOR TITLE**	
	DEP	05/15/2017
PRINCIPAL INSPECTOR SIGNATURE	**ORGANIZATION**	**DATE**

Renee Kwiat	Environmental Consultant
Inspector NAME	**Inspector TITLE**
	FDEP
	ORGANIZATION

xxx
Representative NAME

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Potential Violations" or areas of concern.

Report Approvers:

Approver: Karen R. Bayly **Inspection Approval Date:** 05/15/2017

Map ID 13 – Smith Property
2858 Old SR 8



Good afternoon!

This email relates to your request for assessment/closure documents, a brief history, nature and limits of solid waste, and current status of this facility, including soil/groundwater testing maps if available: Smith Property _ Solid Waste 101011 _ 2858 Old SR 8, Venus, Highlands County.

The Florida Department of Environmental Protection would like to inform you that no records were found matching the provided criteria.

Please be advised that name variations, misspellings and incorrect addresses may not indicate the existence of actual files, and the Department will not be responsible for records not retrieved based on such information being submitted to us. Although we have made a diligent search to fulfill your request, files may still exist in other agencies of which we are not the records custodian that may contain information related to your request. Therefore, please reach out to the respective county as applicable.

If you have any questions, please feel free to contact us.

Thank you for contacting DEP. Have a great day!

Lauren

Did you know you can access many public records from your personal computer using our free public online resources? The Florida Department of Environmental Protection has several public online databases where records are stored: OCULUS, DEP Information Portal and Map Direct.

Please look below for more information on each database. For your future records needs, you might try checking out one of these databases before submitting a request.

- OCULUS
    - You can search for records in OCULUS using a facility-site ID, facility address, or facility name.
    - You can open OCULUS here.
    - If you need help maneuvering OCULUS, please use this helpful guide: OCULUS Instruction.
- DEP Information Portal
    - You can search for records in the DEP Information Portal using a facility-site ID, facility address, or facility name.
    - You can open the DEP Information Portal here.
    - If you need help maneuvering the DEP Information Portal, please use this helpful guide: DEP Portal Instruction.
- Map Direct
    - You can search for records using Map Direct using a facility address.
    - You can open Map Direct here.
    - If you need help maneuvering Map Direct, please use this helpful guide: Map Direct Instruction.

In accordance with Chapter 119, Florida Statutes, public records requests will be processed within a reasonable time, and each request is processed in the order that it was received. Depending on the specific request, there may be a fee* assessed for processing.

***Notice of Fees and Charges**: Although many public records are provided at no cost there may be charges for extensive use of staff time and resources (119.07(04) F.S.). Extensive use is defined as more than 30 minutes of staff and/or computer resource time. There may also be charges for paper copies, CD/DVDs, postage and other expenses. When possible we will provide you with an estimate of any costs in advance. Note that when charges are accrued records may not be released until payment has been made in full. For more information on public records please visit our web page at: www.dep.state.fl.us/secretary/ps/default.htm.

***Please note**: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.*

Public Records Request Liaison
Florida Department of Environmental Protection
Division of Water Resource Management
PublicRecordsRequests_Regulatory@dep.state.fl.us
Office: 850.245.8362 & 850.245.8391

Map ID 14 – Glades Electric Truck Fire
2829 Old SR 8

Memorandum

Florida Department of Environmental Protection

TO: Shannon Herbon, Permitting Program Administrator

THROUGH: Philip Wilkerson, Environmental Manager

FROM: Caleb Hill, ES I

DATE: August 24, 2023

RE: Memo to file: Case Closure

Glades Electric Truck Fire
2829 Old State Road 8, Venus, Florida
Highlands County
ERIC_13318

The site was created due to an above ground storage tank (AST) leak that occurred when a stationary asphalt tanker was being dismantled by S&F Salvage, and then caught fire. This occurred on March 5, 2019, and it was estimated that less than 20 gallons of diesel and asphalt were released.

M&D Industrial Services completed a soil excavation on March 6, 2019, and a summary of actions and disposal documentation was received on April 18, 2019. An area 5 feet x 4 feet x 4 inches deep was excavated (17.09 tons). The excavated soils and tar wastes removed from tanker were disposed of at the Cedar Trace Landfill in Bartow, Florida.

The OER summary stated that since the excavation was only 4 inches deep, it did not meet the requirements of 62-780.500 F.A.C. in which visual indicators could be used to guide excavation. No photos or figures were provided in the source removal report.

A follow-up email was sent to M & D Industrial on April 6, 2020, requesting the status of a Confirmatory Sampling Report.

A GRNL letter sent to M & D Industrial on March 22, 2022, notified them of the requirements of Chapter 62-780, F.A.C.

The site was transferred to the Southwest District on September 19, 2022. Mrs. Tina Madrid was assigned as Project Manager.

A review of the file did not show any response to the Department's communication.

It has been determined that, due to the length of time since the accident, the small volume that was released, the volatility of the contaminants, and that a source removal was conducted to removed visibly stained soils, the case should be closed.

Soils were remediated within 30-days, so the site also meets criteria for a de minimus release and is not subject to the requirements for a full assessment under Chapter 62-780.600, F.A.C.

A link to the OER Incident Report is located in Oculus at:
https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=5.467878.1]&[profile=Cleanup_Remediation

Link to source removal report:
https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=5.467877.1]&[profile=Cleanup_Remediation

2017 aerial photograph of the property



2020 Aerial of the property

Glades Electric Truck Fire – Venus, FL
ERIC_13318
Case Closure Memo



Map ID 16 – Howard Fertilizer Inc.
600 SR 70
(currently
12538 Distribution Blvd.)

DATA ENTERED Revision

RECEIVED
MAR 2 7 1989
STORAGE TANK REGULATION

STATE OF FLORIDA
Department of Environmental Regulation
STORAGE TANK NOTIFICATION FORM
Form 17-61.090 (3)

PLEASE PRINT OR TYPE

(1) DER facility number (if known) 28851967 4 (2) County Code 28
(3) Original registration _____ data revision _____
(4) Facility type (see code list (4) on back) _____

Location

(5) Facility name Lake Placid Groves (Packing House)
Street address/city/state/zip 600 Hwy 70 West / Lake Placid FL 33852
Mailing address/city/state/zip P.O. Box 1005 Lake Placid Fl. 33852

(6) Operator Consolidated Tomoka Land Co Telephone # (813) 465-2511
New operator date (only for change of operator) __/__/__

(7) Company/person owning tank(s) and piping Consolidated Tomoka Land Co.
Company address/city/state/zip 600 Hwy 70 W Lake Placid Fl. 33852

Contact person Hugh J Veley Telephone # 813) 465-2511
New owner date (only for change of owner) __/__/__

(8) Location (if available): Latitude 27 °15 '00 " Longitude 81 °30 '00 "
Section 12 Township 38S Range 30E

PLEASE FILL OUT ONE LINE FOR EACH TANK WITH CODES LISTED ON BACK

Fill out columns (9) through (16) for tanks in use, and (17) through (19) for tanks out of use

(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	17,18, 19 for tanks retrofitted, removed abandoned, etc.	(17)	(18)	(19)
6									B	O	10/21/88
7									B	O	10/21/88

(20) Advanced Petroleum Equip Co Inc
Pollutant Storage System Specialty Contractor Name
For new tank installation or tank removal

DPR #.
Department of Professional Regulation Certificate Number

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

Hugh J Veley V.P Citrus
Print name and title of owner, operator or authorized person

Hugh J Veley V.P Citrus
Signature

3/21/89
Date

#3 Location

This is a add on of a non-vehicular fuel tank. Add M tank

RECEIVED DEC 10 1984

RECEIVED 87 OCT 29 AM 11:45 BUREAU OF WASTE MANAGEMENT

Department of Environmental Regulation

Stationary Tank Registration/Notification Form

FORM 17-1.218(2)

DATA ENTERED

FEB 8 1988

BY

Lake Placid Groves

LAKE PLACID GROVES
P.O. BOX 1 [illegible]
LAKE PLACID FL 33852
813 465-2511

(Make corrections to name and addresses here)

1. Facility/Addressee name: _____

Facility address: _____

Mailing address: _____

Use this form to comply with the following requirements of the Stationary Tank Rule, Chapter 17-61, Florida Administrative Code.

1. Each owner or operator shall register the following with the department.
   a. All existing facilities by December 31, 1984. (Questions 1-19)
   b. All new storage systems or facilities at least 10 days prior to the start of installation of tanks except in the cases of emergency replacement. (Questions 1-19)
   c. A non-pollutant containing installation which is to be converted to a facility, at least 10 days prior to the placement of pollutants in such a facility. (Questions 1-19)
2. Each owner or operator shall notify the department of the following.
   a. All storage systems within 10 days of abandonment. (Questions 1-12, 16, 20)
   b. Facility sale within 10 days of sale. Notice shall be made by the seller. (Answer questions 1-7, and 11. Question 7 about the new owner.)
   c. Retrofitting within 10 days of completion. (Questions 1-19)
3. You may notify the department of a change of operator. (Questions 1-6)

PLEASE PRINT OR TYPE

2. Facility number (DER will provide this number): 2885/9674 3. Date: 12/26/84
4. Federal Employment Identification (number used to file IRS forms) 59-0483700
5. County Code (see enclosed letter): 28
6. Operator of facility: Consolidated Temoka Land Co. D/B/A Lake Placid Groves
   Effective date (only for change of operator): _____ Telephone number: (813) 465-2511
7. Company/Person owning tanks and piping: Consolidated Temoka Land Co. D/B/A Lake Placid Groves
   Address: P.O. Box 1005 Lake Placid Fl. 33852
   Contact person: Hugh J Veley General Manager Telephone number: (813) 465-2511
   Effective date (only for change of owner): _____
8. How many tanks at this location have an individual storage capacity of greater than 550 gallons and store vehicular fuel made from petroleum?
   2 Underground 1 Aboveground
9. Facility location: Latitude: 27° 18' " Longitude: 81° 30' " Section: 12 Township: 38S Range: 30E
   This information is listed on property deeds, and in the offices of the property appraiser and tax assessor.
10. Sketch the facility on a separate page showing the APPROXIMATE location of buildings, tanks, and dispensers.
    A. Draw a line from tank to dispenser to show which are connected by piping.
    B. Label each tank as Tank 1, Tank 2, etc.
    C. Write the date and your facility number, if known, or name and address exactly as it appears above.
    D. Keep a copy of your sketch.

REFER TO TANKS BY THESE LABELS IN ANY COMMUNICATION WITH THE DEPARTMENT.
DESCRIBE PIPING BY THE NUMBER OF THE TANK IT IS ATTACHED TO.

11. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL INFORMATION SUBMITTED ON THIS FORM IS TRUE, ACCURATE, AND COMPLETE.

Consolidated Temoka Land Co D/B/A Lake Placid Groves
Name of owner, operator or authorized representative

Hugh J Veley Gen. Mgr.
Signature of owner, operator or authorized representative

KEEP A COPY OF THIS FORM FOR YOUR RECORDS

MAIL TO: DER Stationary Tank Registration
2600 Blair Stone Road
Room 603
Tallahassee, Florida 32301

INSTRUCTIONS: Use one row across for each tank counted in question 8. The tank number must agree with the number on the sketch of your facility. A new tank installed where a registered tank was removed should be given the number of the removed tank with an R and a number added. Example: Tank 3R1 is first replacement for tank 3. It is in the same place where tank 3 was. Tank 3R2 is the second replacement for tank 3. Attach extra pages if necessary. Write your facility number, if known, or name and address, exactly as it appears on the front of the form, on all extra pages.

(12) Tank Number	(13) Tank Size in Gallons	(14) Tank Contents (see List 14 below)	(15) Tank Installation Date. Month/Year (put X if unknown)	(16) Underground or Aboveground Tank (write U or A)	(17) Tank Construction Specifics (see List 17U or 17A below)	(18) Integral Piping System Construction Specifics (see List 18 below)	(19) Monitoring System Type (see List 19)	(20) Tank Disposal Method (see List 20)
4	3000	Gas, leaded	X 1970	U	A C	D	I	
7	3000	Gas, Unleaded	X 1970	U	A C	D	I	
8	10,000	Diesel	X 1969	A	O R W	D	I	
9	15000	#5 Oil Boiler fuel	1969	A	O R W	D	I	

ENTER THE LETTERS WHICH APPLY TO EACH TANK IN THE BOXES ABOVE. WRITE ALL THAT APPLY.

List 14

Tank contents are:

A. leaded gasoline.
B. unleaded gasoline.
C. Alcohol enriched gasoline.
D. diesel fuel.
E. aviation fuel.
Z. other.

List 17U
UNDERground Tanks

Underground tank:

A. has overfill protection.
B. is interior lined.
C. is painted/asphalted steel.
D. is of unknown type.
E. is fiberglass type.
F. is fiberglass-clad steel.
G. is sacrificial anode type.
H. is impressed current type.
I. is double walled.
J. is concrete.
K. is in secondary containment.
N. is or has none of the above.

List 17A
ABOVEground Tanks

Aboveground tank:

O. has overfill protection.
P. is surrounded by impervious dike.
Q. is surrounded by earth dike.
R. rests on an inpervious base.
S. rests on a earth/gravel base.
T. has interior lined bottom.
U. is cathodically protected.
V. is built of/coated with corrosion resistant materals.
W. is supported above the soil.
Z. is or has none of the above.

List 18

Integral Piping System has:

A. no parts in contact with the soil.

Parts contacting the soil which are:

B. unprotected metal.
C. built of corrosion resistant materials.
D. corroson resistant coated.
E. cathodically protected.
F. double-walled.
G. within a secondary containment.
H. interior lined.
M. none of the above.

List 19

Monitoring system is:

A. automatically sampled well(s).
B. manually sampled well(s).
C. groundwater monitoring plan.
D. SPCC plan.
E. well/detector in secondary containment.
F. in-ground detector.
G. within walls of double-walled tank.
H. continuous in piping.
I. not required.
N. none of the above.

List 20

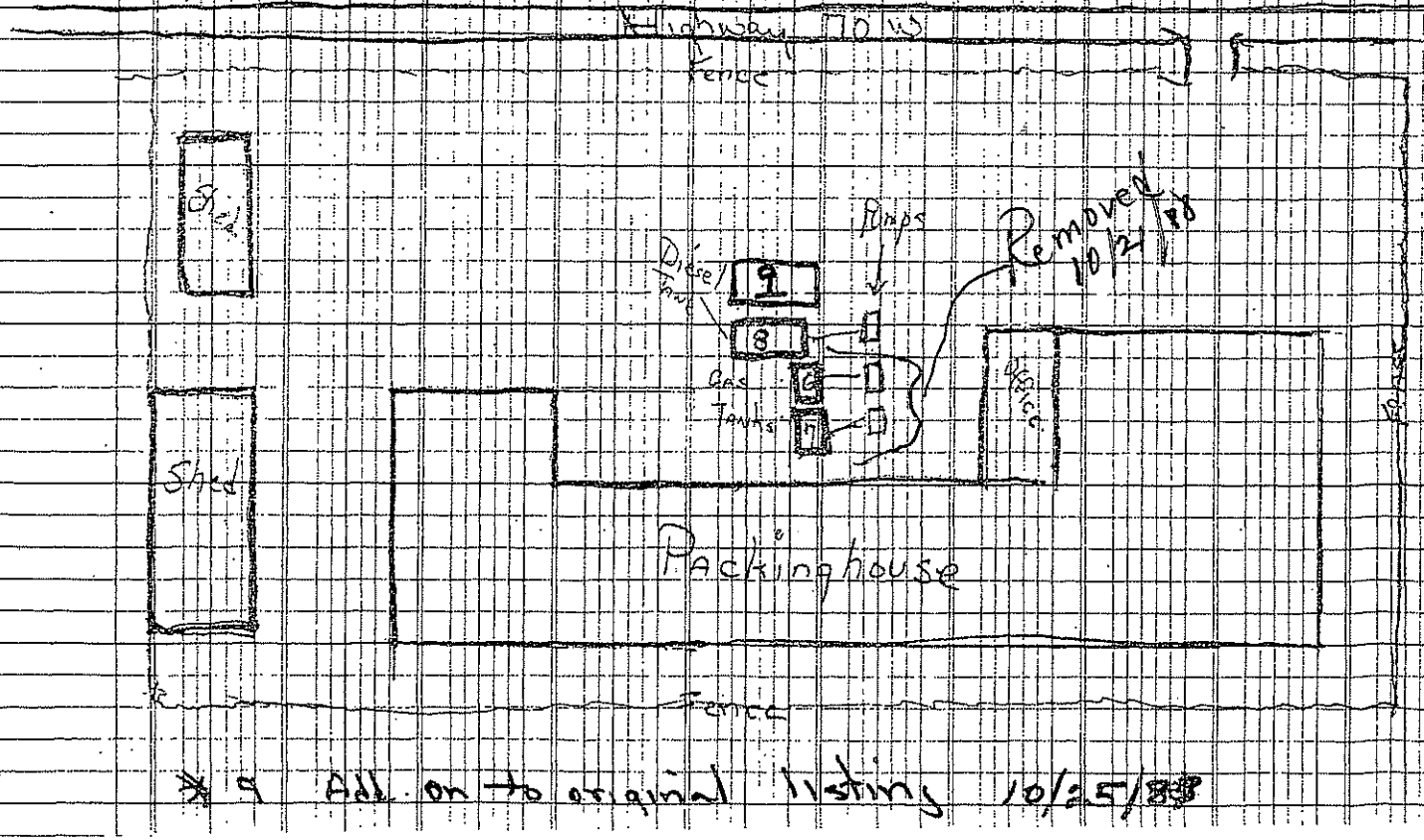
Tank disposal method.

A. Filling.
B. Removal.
C. Retrofitting.
F. Other.

#3

Lat 27°15' Long 81°30' Sec 12 Twsp 38 Range 30 E

Grower: Tanaka Farms Dble Lake Packing Groves
Hwy 70 W & US 27
P.O. Box 1005 Lake Placid FL 33852
Packing house



* 9 Add on to original listing 10/25/88

N

STORAGE TANK REGULATION

RECEIVED
MAR 2 - 1989

Map ID 18 – Georgia-Pacific
400 SR 70
(currently 12537 Distribution Blvd.)

RECEIVED
JUN 13 1995
D.E.P. South District

TANK CLOSURE

REPORT

OF

Georgia-Pacific Corporation-Lake Placid Facility
400 State Road 70
Lake Placid, Florida

FAC # 28/8520366

Prepared for:

Georgia-Pacific Corporation
133 Peachtree Street NE (30303)
Atlanta, Georgia 30348-5605

Prepared by:

SECOR International Incorporated
5385 Stirling Road
Davie, Florida 33314
(305) 791-8899

Roque A. Rokovich
Project Manager

Signature

Wayne W. Wragg
Principal-In-Charge

Signature

SECOR PROJECT #4C911-001-02

DATE: May 1995

SECTION 1

INTRODUCTION

SECOR was retained by Georgia-Pacific Corporation (Georgia-Pacific) to coordinate the removal of two 30,000 gallon underground storage tanks (USTs) containing Bunker C, one 1,000 gallon UST containing propane, one 560 gallon aboveground storage tank (AST) containing diesel fuel and one 280 gallon AST containing diesel fuel at the Georgia Pacific facility in Lake Placid, Florida. Also, *SECOR* oversaw the installation of one 20,000 gallon aboveground vaulted storage tank. Furthermore, SECOR provided environmental oversight during the tank removal operations (refer to **Figure 1** for site location map).

The facility is located at 400 State Road 70, approximately 2000 feet west of the intersection of State Road 27 and State Road 70. Georgia-Pacific Corporation operates a corrugated packing plant manufacturing facility. The surrounding area is mostly agricultural with scattered industrial businesses (**Figure 2**).

The subject site had a UST farm and two ASTs located on the southeast corner of the facility. The UST farm was located adjacent to the boiler room, where the underground piping from the two 30,000 gallon USTs fed the boilers. A pump house is located west of the UST farm (refer to **Figure 3** for former site plan). A set of railroad tracks runs east-west south of the UST farm.

The tank closure report details the tank removal activities and assessment conducted at the subject site. Although the contents of the two 30,000 gallon USTs of Bunker C are not regulated by the Florida Department of Environmental Protection (FDEP), assessment activities performed during the tank clean-up, tank and soil removal are included in this report (refer to **Appendix A** for closure assessment form).

SECTION 5

TANK CLOSURE ASSESSMENT RESULTS

5.1 SOIL ASSESSMENT

Soil OVA readings in the vicinity of the 560 gallon AST indicated a maximum net reading of 10 ppm, immediately adjacent to the concrete pad. Approximately 6 cubic yards of soils were removed from this area. Verification soil sample results registered BDL (refer to **Table 2** for field results).

Confirmatory soil results (**Table 3** and **Appendix G**) for the stained soils indicate the presence of TRPH concentrations in all three samples between 3,469 and 8,329 mg/kg. Stained soil samples also showed the presence of PAHs in GP-C4 and GP-C5 at 1484 ug/kg and 153 ug/kg, respectively. Furthermore, stained soils registered the presence of VOAs in all samples between 3.0 to 3.8 ug/kg. Confirmatory soil results obtained from the soil borings SB-1 through SB-3 show, on the other hand, the absence of TRPH in all five samples. Only one soil sample, **CS-01**, obtained from the 7 to 9 foot interval from SB-1 indicate the presence of PAHs at a concentration of 324 ug/kg. Confirmatory soil samples indicate the presence of VOAs in CS-01, CS-03, and CS-05 at 1.3 ug/kg, 0.9 ug/kg and 1.2 ug/kg, respectively.

5.2 GROUNDWATER ASSESSMENT

The groundwater analytical results for MW-1 indicated non-detectable levels of benzene, toluene, ethylbenzene and xylenes (BTEX) and PAHs. MW-1 registered a concentration of 12.5 ppm of TRPH. However, the equipment blank registered a concentration of 6 ppm, which would give a net concentration of 6.5 ppm for MW-1. Based on this result, MW-1 was resampled for TRPH on May 16, 1995. Current results indicate non-detectable levels for TRPH. Refer to **Table 4** for laboratory analytical results and **Appendix H** for laboratory analytical reports.

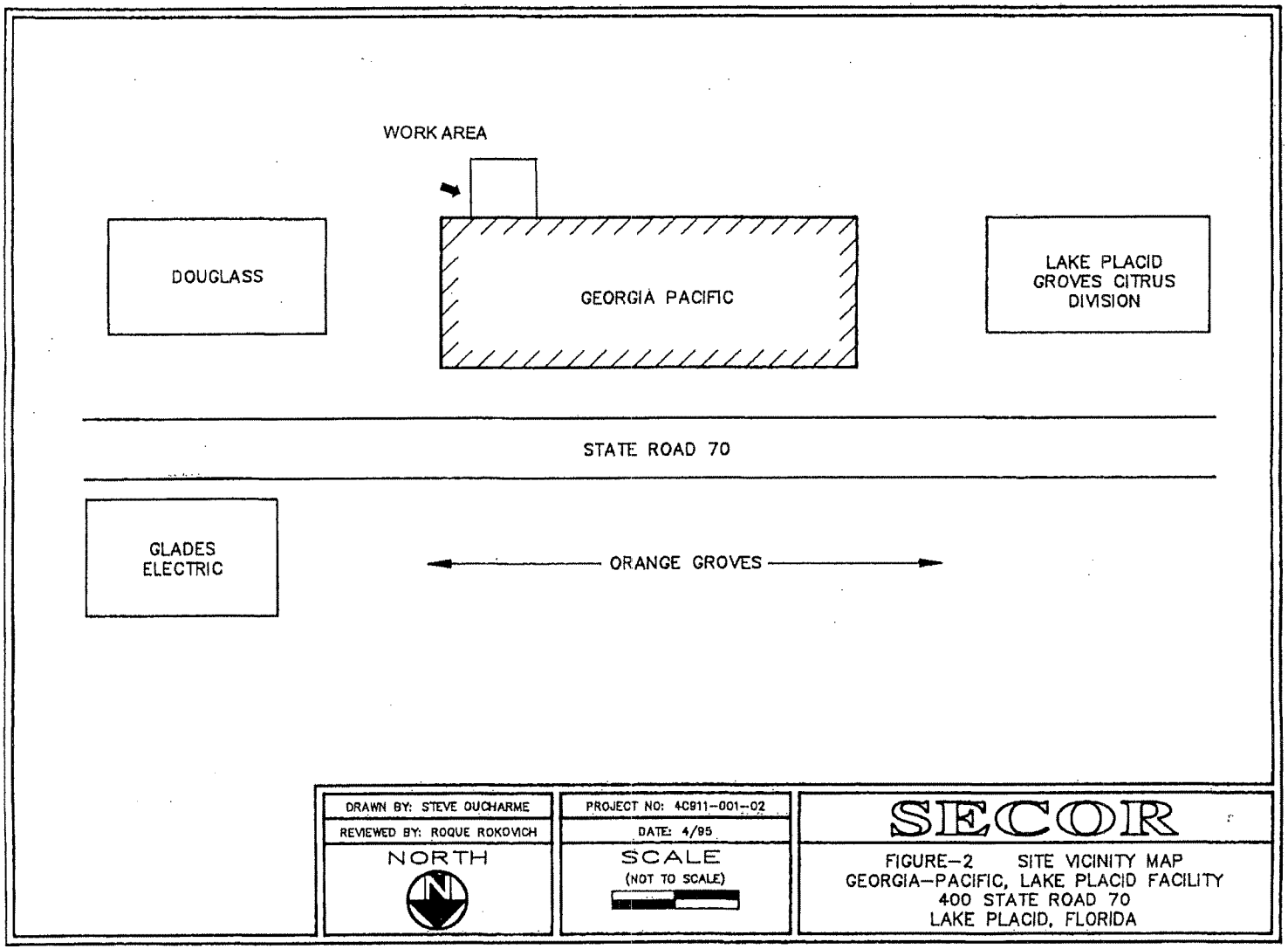
SECTION 6

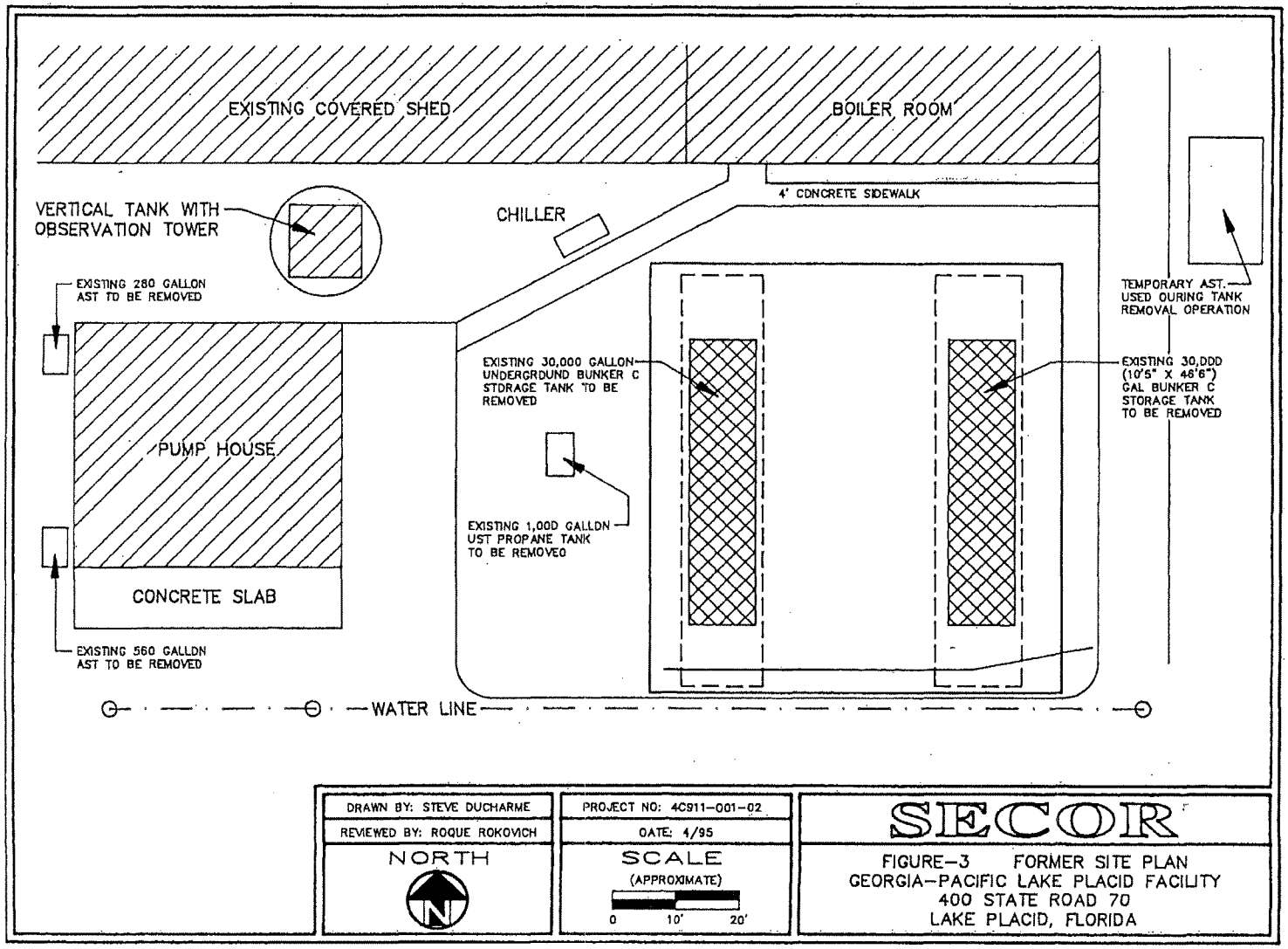
CONCLUSIONS AND RECOMMENDATIONS

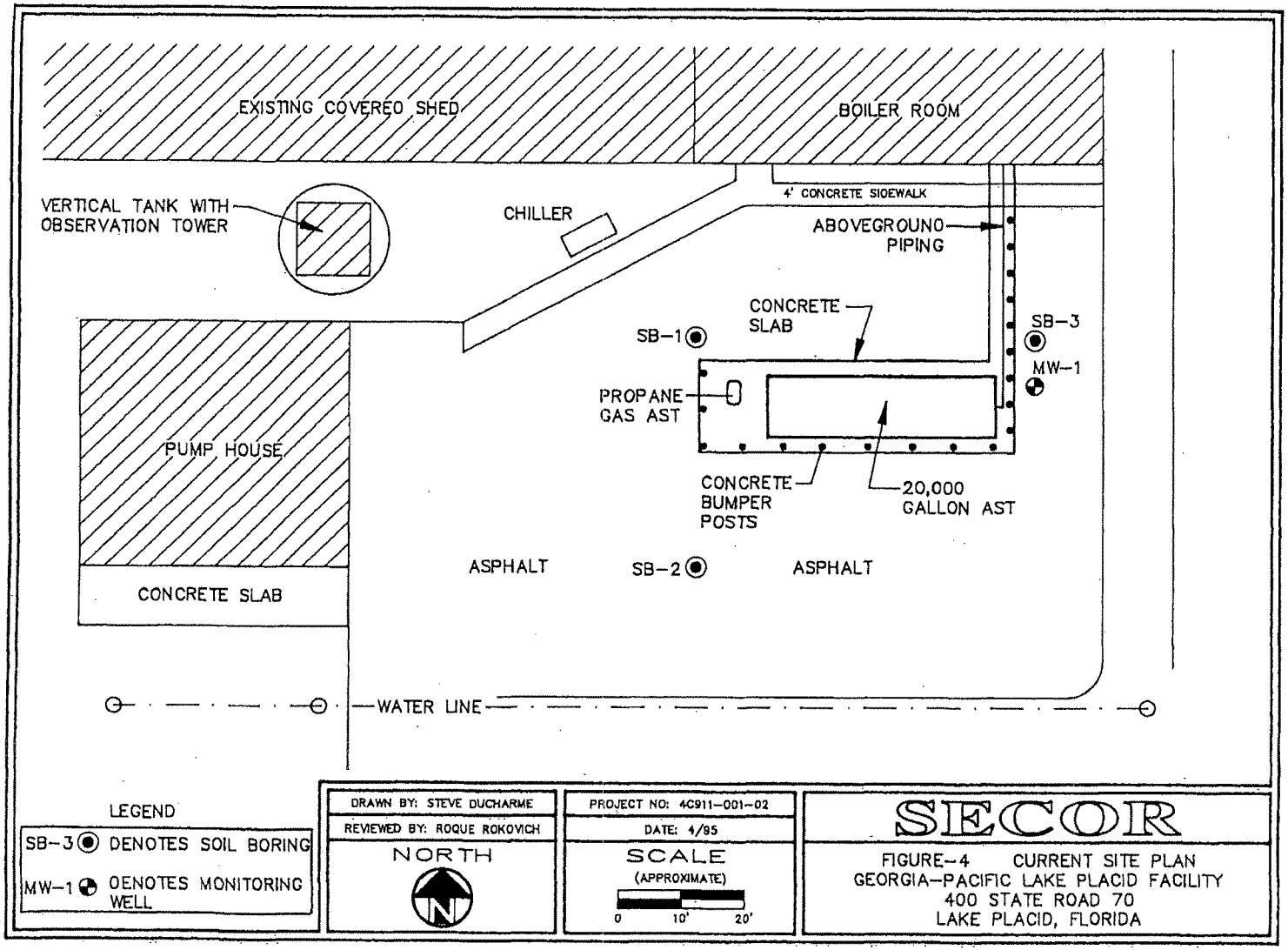
Based upon the assessment and excavation activities performed at the site, the following conclusions can be reached:

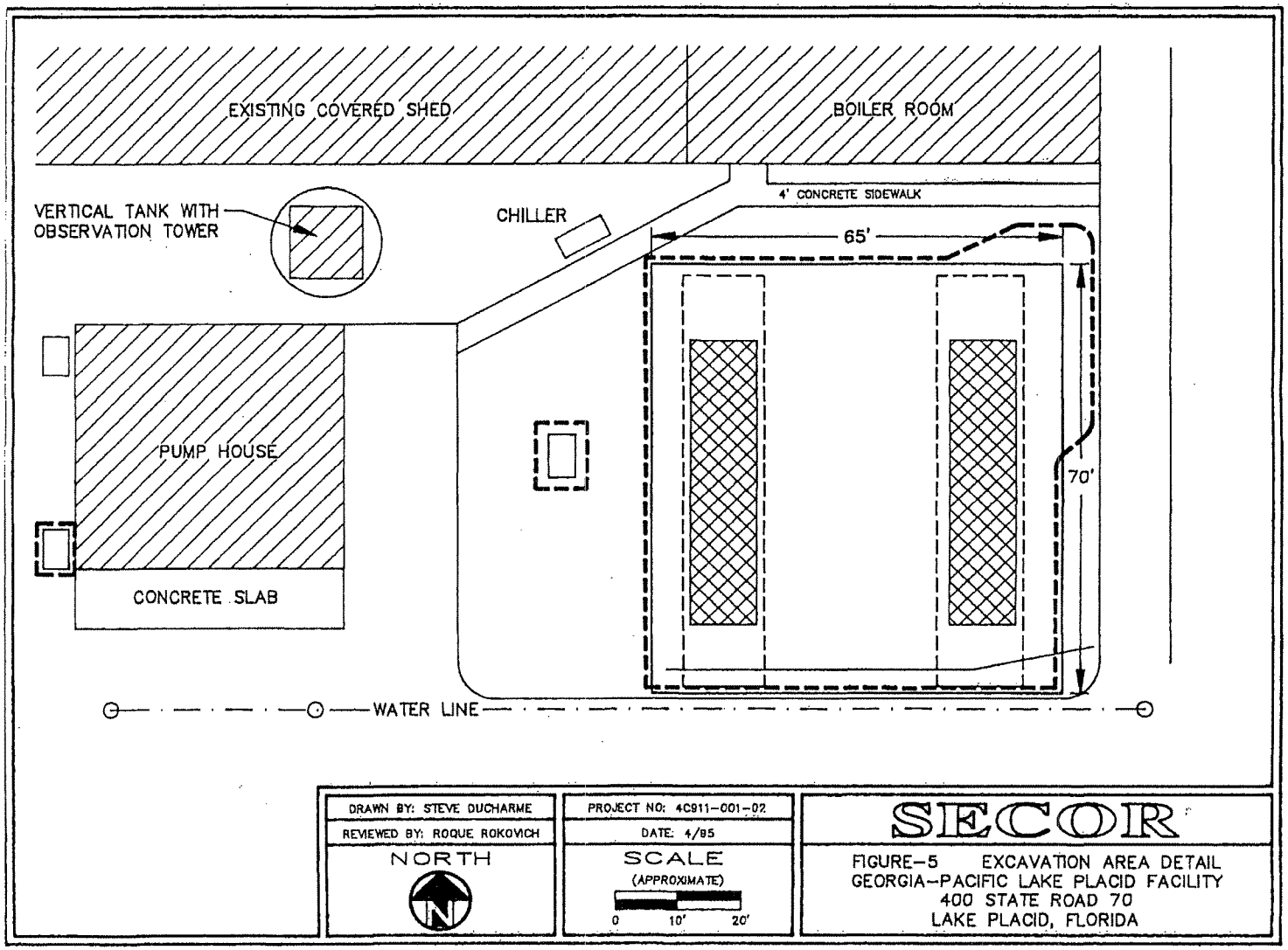
- The objective of removing most of the stained soils around the former UST farm was achieved. The monitoring well MW-1 was positioned in the area registering the deepest extent of stained soils.
- Excavated tanks appeared in good condition, with no evidence of pitted surfaces or holes. There was evidence of overspill noted around the tank fill ports.
- Field OVA readings for the soil borings indicated the absence of hydrocarbon vapors above 50 ppm at all soil boring loeations around the former AST locations.
- Groundwater laboratory results for MW-1, installed in the former excavation pit, in the area with the deepest visible soil staining, indicated that the VOAs and PAHs are within acceptable groundwater criteria, per FAC Chapter 62-770.

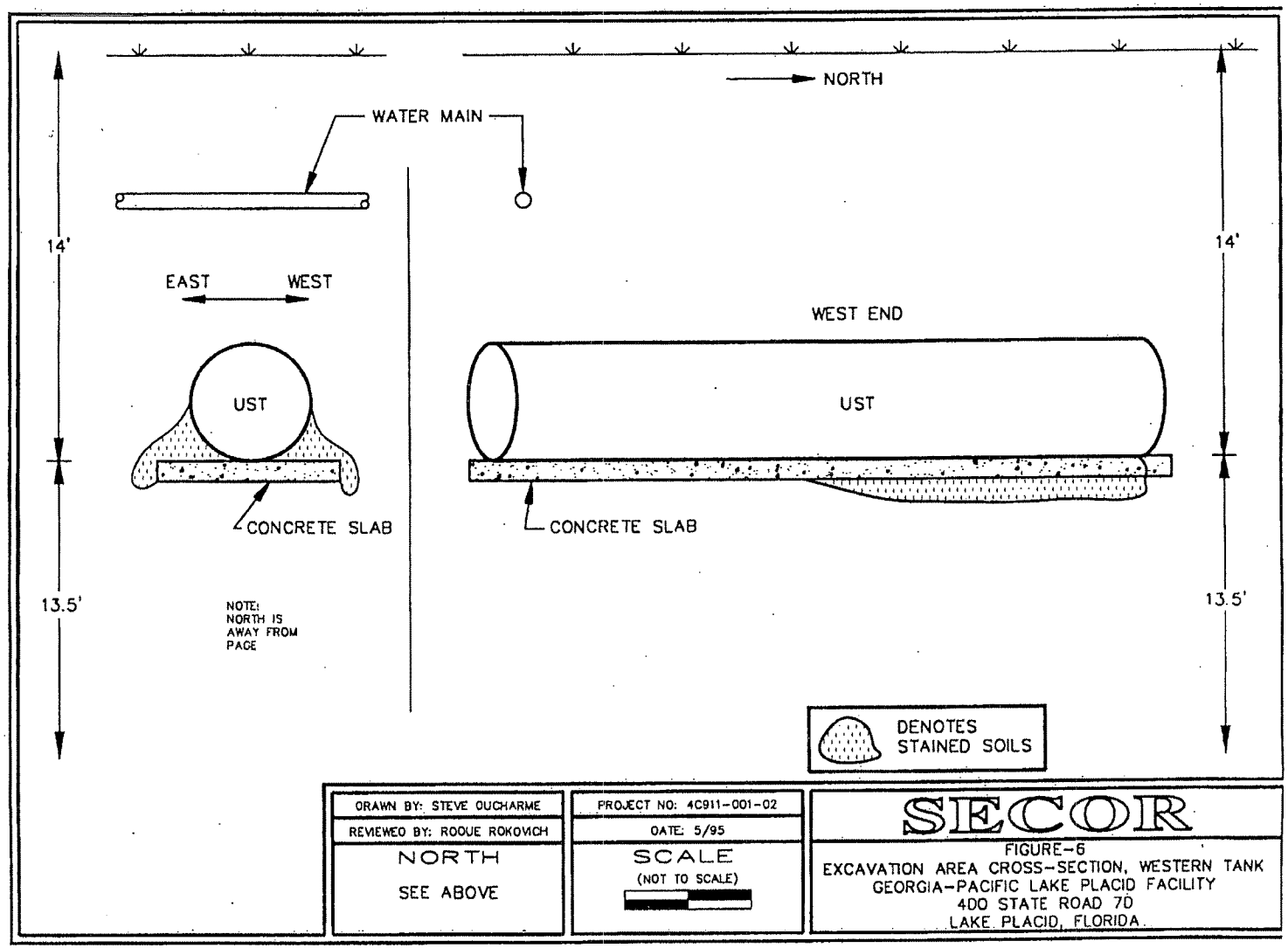
Based on the removal of the two USTs and two ASTs, additional excavation of visibly-stained soils and groundwater analytical results from MW-1, *SECOR* recommends No Further Action (NFA) for the soils and the groundwater in the vicinity of the areas tested and in the vicinity of the former USTs and ASTs. In addition, as part of the remodeling plan for the facility, Georgia-Pacific will implement paving of the areas adjacent to the new AST tank pad, which would inhibit the downward migration of any residual dormant petroleum hydrocarbon (if any) from the vadose zone into the groundwater (refer to **Figure 4** for current site plan).


WORK AREA
DOUGLASS
GEORGIA PACIFIC
LAKE PLACID
GROVES CITRUS
DIVISION
STATE ROAD 70
GLADES
ELECTRIC
ORANGE GROVES
DRAWN BY: STEVE OUCHARME
REVIEWED BY: ROQUE ROKOVICH
NORTH
PROJECT NO: 4C911-001-02
DATE: 4/95
SCALE
(NOT TO SCALE)
SECOR
FIGURE-2 SITE VICINITY MAP
GEORGIA-PACIFIC, LAKE PLACID FACILITY
400 STATE ROAD 70
LAKE PLACID, FLORIDA

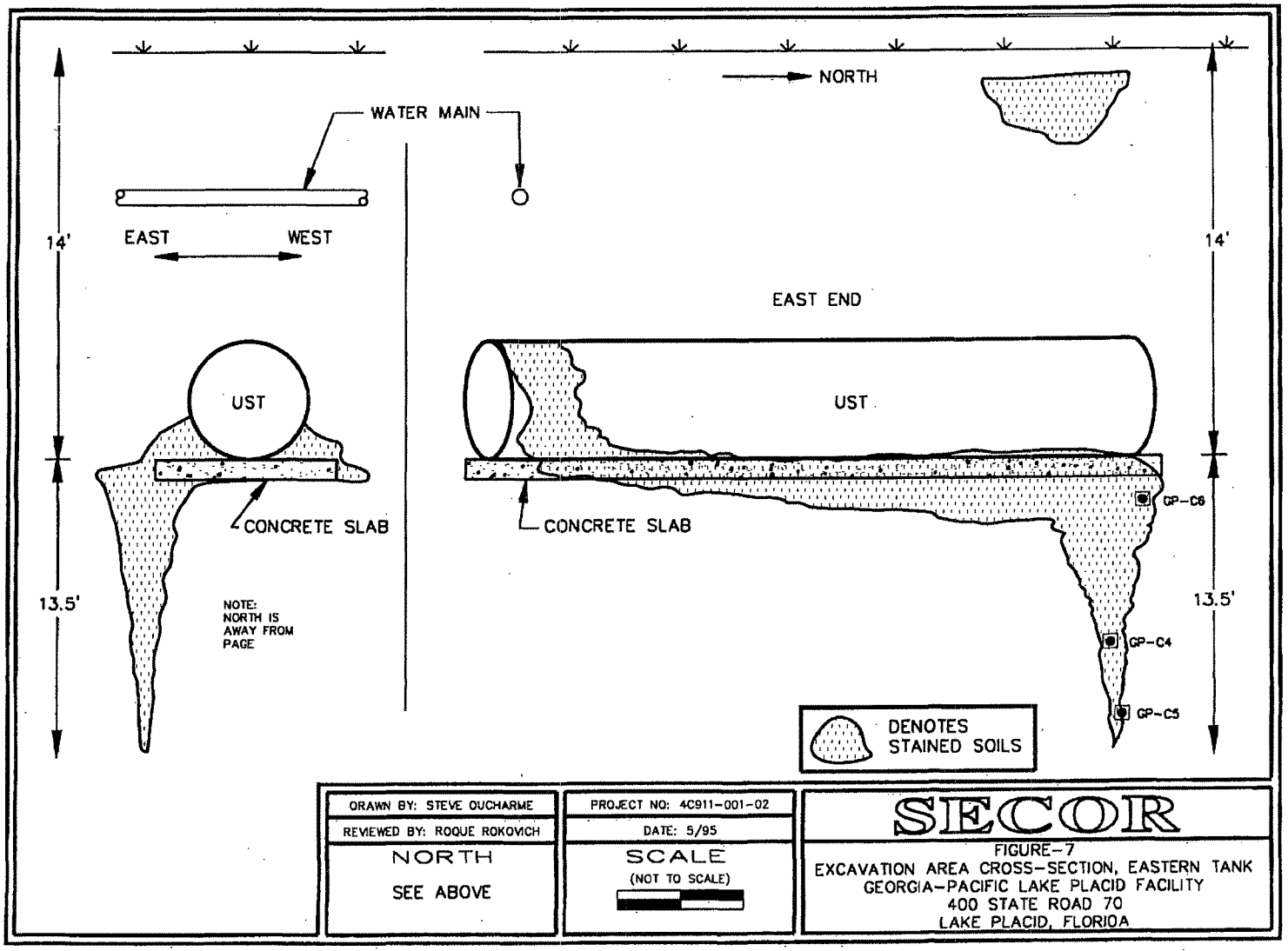

EXISTING COVERED SHED
BOILER ROOM
4' CONCRETE SIDEWALK
VERTICAL TANK WITH OBSERVATION TOWER
CHILLER
EXISTING 280 GALLON AST TO BE REMOVED
PUMP HOUSE
CONCRETE SLAB
EXISTING 560 GALLON AST TO BE REMOVED
EXISTING 30,000 GALLON UNDERGROUND BUNKER C STORAGE TANK TO BE REMOVED
EXISTING 1,000 GALLON UST PROPANE TANK TO BE REMOVED
TEMPORARY AST. USED OURING TANK REMOVAL OPERATION
EXISTING 30,000 (10'6" X 46'6") GAL BUNKER C STORAGE TANK TO BE REMOVED
WATER LINE
DRAWN BY: STEVE DUCHARME
REVIEWED BY: ROQUE ROKOVICH
NORTH
N
PROJECT NO: 4C911-001-02
DATE: 4/95
SCALE
(APPROXIMATE)
0 10' 20'
SECOR
FIGURE-3 FORMER SITE PLAN
GEORGIA-PACIFIC LAKE PLACID FACILITY
400 STATE ROAD 70
LAKE PLACID, FLORIDA


EXISTING COVERED SHED
BOILER ROOM
4' CONCRETE SIDEWALK
VERTICAL TANK WITH OBSERVATION TOWER
CHILLER
ABOVEGROUND PIPING
CONCRETE SLAB
SB-1
SB-3
MW-1
PROPANE GAS AST
PUMP HOUSE
CONCRETE BUMPER POSTS
20,000 GALLON AST
ASPHALT
SB-2
ASPHALT
CONCRETE SLAB
WATER LINE
LEGEND
SB-3 DENOTES SOIL BORING
MW-1 DENOTES MONITORING WELL
DRAWN BY: STEVE DUCHARME
REVIEWED BY: ROQUE ROKOVICH
NORTH
PROJECT NO: 4C911-001-02
DATE: 4/95
SCALE
(APPROXIMATE)
0 10' 20'
SECOR
FIGURE-4 CURRENT SITE PLAN
GEORGIA-PACIFIC LAKE PLACID FACILITY
400 STATE ROAD 70
LAKE PLACID, FLORIDA


EXISTING COVERED SHED
BOILER ROOM
4' CONCRETE SIDEWALK
VERTICAL TANK WITH OBSERVATION TOWER
CHILLER
65'
70'
PUMP HOUSE
CONCRETE SLAB
WATER LINE
DRAWN BY: STEVE DUCHARME
REVIEWED BY: ROQUE ROKOVICH
NORTH
N
PROJECT NO: 4C911-001-02
DATE: 4/95
SCALE
(APPROXIMATE)
0
10'
20'
SECOR
FIGURE-5 EXCAVATION AREA DETAIL
GEORGIA-PACIFIC LAKE PLACID FACILITY
400 STATE ROAD 70
LAKE PLACID, FLORIDA



DRAWN BY: STEVE OUCHARME	PROJECT NO: 4C911-001-02	SECOR
REVIEWED BY: RODUE ROKOVICH	DATE: 5/95	FIGURE-6
NORTH SEE ABOVE	SCALE (NOT TO SCALE)	EXCAVATION AREA CROSS-SECTION, WESTERN TANK GEORGIA-PACIFIC LAKE PLACID FACILITY 400 STATE ROAD 70 LAKE PLACID, FLORIDA



DRAWN BY: STEVE OUCHARME	PROJECT NO: 4C911-001-02
REVIEWED BY: ROQUE ROKOVICH	DATE: 5/95
NORTH SEE ABOVE	SCALE (NOT TO SCALE)

SECOR

FIGURE-7
EXCAVATION AREA CROSS-SECTION, EASTERN TANK
GEORGIA-PACIFIC LAKE PLACID FACILITY
400 STATE ROAD 70
LAKE PLACID, FLORIDA

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

CLOSURE ASSESSMENT REVIEW LETTER



RECEIVED
AUG 16 1995
D.E.P. South District

July 14, 1995

Attn: Mr. Scott K. Bailey, P.E.
Georgia Pacific Corporation
P.O. Box 105605
Atlanta GA 30348-5605

Re: Fac ID 288520366

Georgia Pacific Corp.
400 SR 70 W.
Lake Placid FL 33852-8717

Dear Mr. Bailey,

This office has reviewed the Closure Assessment received on June 13, 1995, for the above referenced facility.

The report adequately meets the requirements of the Department's current guidelines for a Pollutant Storage System Closure Assessment. Additionally, the section of the report relating to the regulated aboveground diesel storage tank, indicates that contamination levels did not exceed the target levels established in Florida Administrative Code (FAC) Rule 62-770. Therefore, based on the information submitted, this office concludes that no further remediation is necessary at this time.

If this facility is eligible for funding assistance and the owner intends to submit a reimbursement application for a completed program task, such as a contamination assessment with a no further action proposal, the closure assessment must follow the guidelines specified in FAC Rule 62-770.600, for contamination assessments. This review letter should not be considered Department approval of the closure report as a contamination assessment or a "No Further Action" for reimbursement purposes.

If a subsequent discharge of petroleum or petroleum product is discovered at the site, the Department may require site rehabilitation to reduce contaminant concentrations to levels established in FAC 62-770.

If you have any questions or comments, please call Harry Moldenhauer at (813) 763-3419 ex. 262, or write to the letterhead address. Your cooperation is appreciated.

Sincerely,

Harry L. Moldenhauer, R.S.
Environmental Specialist
Storage Tank Program

cc: Mr. Earl Lear, Georgia Pacific
Mr. Roque Rokovich, P.G., Secore
DEP/S
Facility file

HIGHLANDS/OKEECHOBEE STORAGE TANK PROGRAM
1728 NORTHWEST 9TH AVENUE, OKEECHOBEE, FL 34972
941-763-3419 FAX 941-763-7998 SUN COM. 721-7250
LAWTON CHILES, GOVERNOR

2/2/88

Bill Hagerman
GA / Pacific Lake Placid
813/465-3413

Bunker C feed line broke
Approx 500 gallons discharged
into a spill pit and adjacent
asphalt driveway. Sand was
spread over the driveway to
absorb oil. He will be
contacting Carl Cool for
permission to dispose of the
contaminated soil at the
De Soto Landfill. There is
also a small sandy area between
the driveway and the building
that may be contaminated. I told
him that you will contact him
for a site inspection.

Discharge Report Form

PLEASE PRINT OR TYPE

DEP Form # 62-761.900(1)
Form Title Discharge Report Form
Effective Date: July 13, 1998

Instructions are on the reverse side. Please complete all **applicable** blanks

1. Facility ID Number (if registered): 07-0167-28-HW **2. Date of form completion**: APRIL 11, 2011

3. General information
Facility name or responsible party (if applicable): CONSULTING RE LLC
Facility Owner or Operator, or Discharger: SAME
Contact Person:MR. LEO BRUSO, OWNER Telephone Number: (239) 331-4550 County: HIGHLANDS
Facility or Discharger Mailing Address: 7837 HAWTHORNE DRIVE, #1104, NAPLES, FLORIDA 34113
Location of Discharge (street address):400 E. STATE ROAD 70, LAKE PLACID, FLORIDA (FORMER GEORGIA PACIFIC SITE)
Latitude and Longitude of Discharge (if known) 27 12' 22.95' N – 81 20' 08.43' W

4. Date of receipt of test results or discovery of confirmed discharge: 4/7/11 month/day/year

5. Estimated number of gallons discharged: 100 - 200

6. Discharge affected: [ ] Air [X] Soil [ ] Groundwater [ ] Drinking water well(s) [ ] Shoreline [ ] Surface water (water body name) _____

7. Method of discovery (check all that apply)

[ ] Liquid detector (automatic or manual)	[ ] Internal inspection	[ ] Closure/Closure Assessment
[ ] Vapor detector (automatic or manual)	[ ] Inventory control	[ ] Groundwater analytical samples
[ ] Tightness test	[ ] Monitoring wells	[ ] Soil analytical tests or samples
[ ] Pressure test	[ ] Automatic tank gauging	[X] Visual observation
[ ] Statistical Inventory Reconciliation	[ ] Manual tank gauging	[X] Other: FIRE SUPPRESSION WATER TANK FAILURE

8. Type of regulated substance discharged: (check one)

[ ] Unknown	[ ] Used/waste oil	[ ] Jet fuel	[ ] Heating oil	[ ] New/lube oil
[ ] Gasoline	[ ] Aviation gas	[X] Diesel	[ ] Kerosene	[ ] Mineral acid

[ ] Hazardous substance - includes CERCLA substances from USTs above reportable quantities, pesticides, ammonia, chlorine, and derivatives (write in name or Chemical Abstract Service (CAS) number)_____
[ ] Other_____

9. Source of Discharge: (check all that apply)

[ ] Dispensing system	[X] Pipe	[ ] Barge	[ ] Pipeline	[ ] Vehicle
[X] Tank	[ ] Fitting	[ ] Tanker ship	[ ] Railroad tankcar	[ ] Airplane
[ ] Unknown	[ ] Valve failure	[ ] Other Vessel	[ ] Tank truck	[ ] Drum

[X] Other: 550 GALLON AST SUPPLING FUEL TO FIRE SUPPRESSION PUMP.

10. Cause of the discharge: (check all that apply)

[ ] Loose connection	[X] Puncture	[ ] Spill	[ ] Collision	[ ] Corrosion
[ ] Fire/explosion	[ ] Overfill	[ ] Human error	[ ] Vehicle Accident	[ ] Installation failure

[X] Other: DUE TO 300,000 GALLON WATER TANK FAILURE

11. Actions taken in response to the discharge: EAGLE-SWS WAS HIRED ON 4/8/11 TO HANDLE ALL ENVIRONMENTAL ISSUES RELATED TO THIS INCIDENT. EAGLE-SWS DRILLED THE AST ON IT'S SIDE AND OFF-LOADED THE VIRGIN FUEL VIA VACUUM TRUCK. RECOVERED 250 GALLONS OF FUEL FROM AST. EAGLE-SWS ASSESED THE AREA AND STARTED GOING TO THE STORM DRAINS AND RECOVERED PETROLEUM CONTACT WATER (PCW) VIA VACUUM TRUCK. COLLECTED 500 GALLONS FROM DRAINS FOR PROPER DISPOSAL.

12. Comments: THIS WAS THE SITE OF A 300,000 GALLON ABOVEGROUND WATER TANK FAILURE THAT RELEASED AN UNKNOWN AMOUNT OF WATER DAMAGING A BUILDING AND THE CONTAINMENT AREA THAT HELD THE 550 GALLON AST. AS A RESULT OF THIS INCIDENT THE AST WAS FLIPPED OVER AND PIPING CUT RELEASING AN UNKNOWN AMOUNT OF OFF-ROAD DIESEL FUEL TO THE AREA. THERE WERE TWO (2) WORKERS KILLED IN THIS INCIDENT. FEDERAL, STATE AND LOCAL AGENCIES RESPONDED TO THE INCIDENT.

13. Agencies notified (as applicable):

[X] State Warning Point	[ ] National Response Center	[ ] Florida Marine Patrol	[X] Fire Department.	[X] DEP (district/person)
1-800 320-0519	*1-800-424-8802*	*(800) 342-5367*	**HIGHLANDS CO**	[ ] County Tanks Program

14. To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

KEN C. (KC) STRAUB, /EAGLE-SWS RESPONSE CONTRACTOR
Printed Name of Owner, Operator or Authorized Representative, or Discharger

_____
Signature of Owner, Operator or Authorized Representative, or Discharger

Oil spills to navigable waters of the United States, and releases of reportable quantities of CERCLA hazardous substances must be reported within one hour to the National Response Center or the Florida Marine Patrol. Reports to the National Response Center of oil spills to navigable waters need not be repeated to any other federal, state, or local agency. Conditions at the site that do not involve spills to navigable waters of the United States, or CERCLA hazardous substances, that pose an immediate threat to human health or the environment, must be immediately reported to the State Warning Point or the Local Fire Department. This form must be submitted for all discharges from facilities with storage tank systems, and at other sites, in accordance with Chapters 62-761 and 62-770, F.A.C. Chapter 62-761 and 62-770, F.A.C., should be consulted for specific reporting requirements.

State Warning Point	*National Response Center*	*Local Fire Department*
1-800-320-0519	*1-(800)-424-8802*	*(obtain local number)*

This form must be used to report any confirmed discharge, or any one of the following from a storage tank system subject to Chapter 62-761, F.A.C., unless the discharge is from a previously-known and reported discharge:

1. Results of analytical or field tests of surface water, groundwater, or soils indicating the presence of contamination by:
   a. A hazardous substance from a UST;
   b. A regulated substance, other than petroleum products; or
   c. Petroleum products' chemicals of concern specified in Chapter 62-770, F.A.C.;
2. A spill or overfill event of a regulated substance to soil equal to or exceeding 25 gallons, unless the regulated substance has a more stringent reporting requirement specified in CFR Title 40, Part 302;
3. Free product or sheen of a regulated substance present in surface water, groundwater, soils, basements, sewers, and utility lines at the facility or in the surrounding area; or
4. Soils stained by regulated substances observed during a closure assessment performed in accordance with Rule 62-761.800, F.A.C.

A copy of this form must be delivered or faxed to the County within 24 hours of the discovery of a discharge, or before the close of the next business day. It is recommended that the original copy be sent in the mail. If the discharge occurs at a county-owned facility, a copy of the form must be faxed or delivered to the local FDEP District office. A discharge of petroleum or petroleum products from a source other than a regulated storage tank system must be reported within one week of discovery in accordance with Rule 62-770.250, F.A.C.

FDEP District Office Addresses:

Northwest District
160 Governmental Center
Pensacola FL. 32501-5794
Phone: 850-595-8360
FAX: 850-595-8417

Northeast District
7825 Baymeadows Way Suite B 200
Jacksonville FL. 32256-7590
Phone: 904-448-4300
FAX: 904-448-4362

Central District
3319 Maguire Blvd. Suite 232
Orlando, FL. 32803-3767
Phone: 407-894-7555
FAX: 407-897-2966

Southwest District
3804 Coconut Palm Dr.
Tampa FL. 33619-8218
Phone: 813-744-6100
FAX: 813-744-6125

South District
2295 Victoria Ave. Suite 364
Ft. Myers FL. 33901-2549
Phone: 813-332-6975
FAX: 813-332-6969

Southeast District
400 N. Congress Ave.
West Palm Beach, FL. 33416-5425
Phone: 561-681-6600
FAX: 561-681-6790

[Effective date of the rule]

Free Product Removal Notification Form for Petroleum or Petroleum Products

FDEP Form #: 62-770.900(1)
Form Title: Free Product Removal Notification Form for Petroleum or Petroleum Products
Effective Date: 4-17-05

This form provides written notification of free product recovery during source removal as required by subsection 62-770.300(1), Florida Administrative Code (F.A.C.). Notification of product recovery must be within 10 days after initiating the product recovery. The notification must be submitted to the **appropriate local program or to:**

Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems, MS 4575
2600 Blair Stone Road
Tallahassee, FL 32399-2400
and
to the appropriate FDEP district office.

I. GENERAL INFORMATION:

Facility Name: FORMER GEORGIA-PACIFIC SITE
Facility Address: 400 STATE ROAD 70 WEST, LAKE PLACID, FLA
FDEP Facility Number (if applicable): 07-0167-28-HW
County: HIGHLANDS
Other Names for this Site:

Date of Discovery: 4.7.11
What Has Been Done to Prevent a Further Discharge: EAGLE-SWS RESPONSE TEAM Drilled the 550-Gallon AST AND Removed the Remaining 250 Gallons in it FOR Proper Disposal.

II. FREE PRODUCT RECOVERY:

Date Product Recovery Initiated: 4.8.11
Type(s) of Product(s) Discharged: OFF-ROAD DIESEL FUEL
How Did Discharge Occur (for example, tank leak, integral piping leak, truck accident, overspill, explosion, etc.): 300,000 Gallon AST FIRE SUPPRESSION WATER TANK FAILURE.
Estimated Gallons Lost: Est. 100-200 GALLONS
Method of Product Recovery: VACUUM TRUCK

Thickness of Free Product in Wells, Boreholes, Excavations, etc.:
Type of Discharge During Product Recovery: N/A

Type of Treatment (i.e., Oil/Water Separator) and Expected Effluent Quality from any Discharge: N/A

Quantity, if known, or Estimated Quantity and Disposal of Recovered Product: 250-GALLONS OF Virgin OFF-ROAD Diesel AND 500-GALLONS OF PETROLEUM Contact WATER (PCW)

To the best of my knowledge, all information on this form is true, accurate and complete.

Signature of Facility Owner or Operator, Discharger or Authorized Representative, and Date

Print Name of Facility Owner or Operator, Discharger or Authorized Representative

Title, Affiliation (if not Facility Owner)

Submit this form to the appropriate local program and FDEP in Tallahassee.
KEEP A COPY OF THIS FORM FOR YOUR RECORDS.


AREA BY CULVERT PIPE
Along R/R Tracks under the building
550 gal AST Containment
SPILL AREA
WATER TANK
FIRE PUMP HOUSE
© 2011 Google
Google
Imagery Date: Dec 29, 2010 27°12'22.92" N 81°20'10.41" W elev 144 ft Eye alt 513 ft

Institutional Controls and Engineering Controls Audit Program
Georgia Pacific LLC Packaging Facility
ICR ID# 621
Lake Placid, Highlands County, Florida

Arcadis U.S., Inc.
1500 Gateway Blvd
Suite 200
Boynton Beach
Florida 33426
Tel 561 697 7000
Fax 561 369 4731
www.arcadis.com

May 25, 2016

Arcadis U.S., Inc. (Arcadis) is pleased to provide the Florida Department of Environmental Protection (FDEP) this Institutional Controls/Engineering Controls (IC/EC) Audit Report for the Georgia Pacific LLC Packaging Facility (the 'Site'). The purpose of the audit activities was to determine whether institutional and/or engineering controls are documented for the property within various government agency files, that the current owner is aware of the controls placed on the Site property, and that the current owner is properly implementing the controls. The following sections summarize the results of Arcadis' review of pertinent files, communications with the property owner, and visit to the Site to inspect the IC/EC in place at the Site. Based on the information gathered during these activities, Arcadis has included a summary of findings within this report.

SITE BACKGROUND

The Georgia Pacific LLC Packaging Facility Property is located at 400 State Road 70 West in Lake Placid, Highlands County, Florida. The facility is located in the north quadrant of Section 5, Township 38 South and Range 30 East. The Site comprises approximately 16 acres of light manufacturing industrial usage (**Attachment 1**). Currently, the Site is unoccupied and contains four buildings (three warehouses and one office building), asphalt-paved parking lot and access roads, and a railroad spur.

The packaging facility began operations in 1968 under the ownership of St. Regis Paper Company. The facility was sold to Georgia Pacific (GP) in April 1984. St. Regis used lead chromate-based inks to print labels on corrugated packaging materials from 1968 to 1979. Wash and wastewater from St. Regis operations were discharged to floor drains and conveyed to the septic tank, drainfield, and to three unlined ponds to the rear and south of the main manufacturing plant. Lead-impacted soils in the facility septic tank drainfield, adjacent drainage ditch, and wastewater ponds were subject to multiple investigations and remediation activities. The facility was shut down in August 2007.

FILE REVIEWS

Institutional Controls Registry (ICR) Review

According to the ICR database for the Site (ICR ID# 621), IC for land use restriction exists for the Site. One EC (immobilization) was listed for the Site. A summary of the information provided in the ICR database is as follows:

Media	Institutional Control Type	Engineering Control Type	Contamination	Mechanism	Date IC Recorded
Soil	Land Use Restriction	Immobilization	Metal - Lead	Restrictive Covenant	4/22/2010

Highlands County Property Appraiser/Clerk of Courts File Review

A review of the Highlands County Property Appraiser website (www.hcpao.org) indicated the address for the property containing the IC as 12537 Distribution Boulevard, Lake Placid, Highlands County. The Highlands County Property Appraiser record identified Consulting RE LLC as the current property owner (Property ID No. C-05-38-30-A00-0031-0000). The Site property is zoned for light manufacturing industrial usage. A Highlands County Property Appraiser Map is presented in **Attachment 1**.

A review of the Highlands County Official Records Search website (https://records.hcclerk.org/OnCoreWeb/Search.aspx) indicated that the April 2010 Declaration of Restrictive Covenant, filed by Georgia-Pacific Corrugated, LLC is on record in Book 2235, Pages 1302-1310. Review of the Restrictive Covenant indicated that there shall be no drilling for water conducted on those portions of the property nor shall any wells be installed on those portions of the property other than monitoring wells pre-approved by the FDEP. Additionally, there shall be no stormwater swales, stormwater detention or retention facilities or ditches on those portions of the property. For any dewatering activities, a plan must be in place to address and ensure the appropriate handling, treatment, and disposal of any extracted groundwater that may be contaminated. The area of soil contamination as located on those portions of the property as described and highlighted as “Drainfield” and “Infiltration Ponds” shall be permanently covered and maintained with two feet of clean and uncontaminated soil that prevents human exposure; and excavation and construction below two feet surface elevation is not prohibited within those portions of the property as described and highlighted as “Drainfield,” provided any contaminated soils that are excavated are removed and properly disposed. Further, excavation and construction below two feet surface elevation and/or disturbance of the stabilized/ solidified monolith and interlocking concrete block retaining wall / geotextile barrier system, as described and highlighted as the “Infiltration Ponds” and “Retaining

Wall" is prohibited. Generally, there shall be no agricultural use of the land including forestry, fishing and mining; no hotels or lodging; no recreational uses including amusement parks, parks, camps, museums, zoos, or gardens; no residential uses; and no educational uses such as elementary and secondary schools, or day care services. The most recent Property Deed was recorded on October 19, 2010 and documented that the property was sold by Georgia-Pacific Corrugated LLC to Consulting RE, LLC. This Special Warranty states that this conveyance is further subject to that certain Declaration of Restrictive Covenant by Georgia-Pacific Corrugated LLC dated April 14, 2010, recorded in Book 2235, Pages 1302-1310, Highlands County, Florida Public Records. The Restrictive Covenant and Deed naming Consulting RE, LLC as the property owner are presented in **Attachment 2**.

April 2010 Declaration of Restrictive Covenant		**October 2010 Deed**	
Book/Page	2235 / 1302	Book/Page	2258 / 426

FDEP OCULUS/File Review

A search of the FDEP's OCULUS database (depedms.dep.state.fl.us/Oculus/servlet/login) indicated that the GP property was listed under FDEP Hazardous Waste Program, EPA ID No. FLD045003613 as well as NPDES ID No. FLRNEE570. Arcadis reviewed several documents that were related to the metals impacts and corrective actions. One hundred seven files (107) were located on the FDEP OCULUS database for FLD045003613 including the DoRC, SRCR, and CSRCO. A summary of the Site history is described in more detail below:

- 1968 – April 1984: Operations conducted at Site under ownership of St. Regis Paper Company. Lead chromate-based inks used between 1968-1979 to print labels on finished corrugated packaging materials. Wash water and wastewater containing lead chromate-based inks were discharged during operations to floor drains and then conveyed to the facility's septic tank and associated drainfield in northwest portion of the property. Wastewater also discharged to a series of unlined impoundments to the south of the facility.

- May 1984 – 1994: Groundwater monitoring conducted in Area of Concern-4 (AOC-4), in the location of the former evaporation ponds south of the facility. Soils were excavated until TCLP lead concentrations were below 5 mg/L. Regulatory closure was granted contingent on monitoring of soil pH in the area, ensuring that it remained near-neutral, and maintenance of the soil cap and vegetative cover.

- May 2006: A road construction crew along State Road 70 West (to the front of facility) encountered an area of blue-stained soil. Investigation activities were initiated to determine the extent of impacted soils.

- June 2006 – September 2007: Blue-stained soils were observed in the railroad property right-of-way south and adjacent to the facility. Supplemental investigation and remedial activities in AOC-4 included the excavation and stabilization of 636 tons of lead-impacted soils and construction of an interlocking pre-cast, back-lined, concrete block retaining wall.

- August 2006: Results of investigation along State Road 70 West indicated lead and chromium concentrations in soil ranging from 1.4 to 1700 mg/kg and 3.0 to 350 mg/kg, respectively. Pertinent Site soil quality figures are provided in **Attachment 3**.

- January 2007: Soil excavation activities conducted in three areas within Area of Concern-1 (AOC-1) – asphalt-lined drainage feature; south bank of the ditch along State Road 70 West; and lower (northern) portion of the former septic tank drainfield in northwest corner of property. A total of 376 tons of non-hazardous soil were removed from the Site and disposed at the Okeechobee Landfill. A total of 36 tons of hazardous soil were removed and disposed at Chemical Waste Management, Inc. in Emelle, Alabama.

- February 2007: FDEP issued Consent Order to GP for OGC Case No. 07-0167-28-HW.

- February – December 2008: Quarterly groundwater monitoring performed that indicated lead and chromium concentrations were below the FDEP residential criteria of 15 and 100 μg/L, respectively.

- March 2009: Requested “no further action status” for the Site and that groundwater monitoring wells be abandoned. A general Site Layout figure showing the AOCs is provided in **Attachment 3**.

- July 2010: FDEP issued Conditional Site Rehabilitation Completion Order (CSRCO).

- August 2010: All Site monitoring wells properly abandoned.

A listing of pertinent historical documents is presented below.

Document Name	Document Date	Document Author
Impacted Soil Delineation	10/26/2006	Integrated Science & Technology, Inc. (IST)
Consent Order OGC Case No. 07-0167-28-HW	2/1/2007	FDEP
Impacted Soil Excavation and Removal	2/28/2007	IST
Lead-Impacted Soil Investigation and Engineering Control Design, Former Evaporation Pond Area and Railroad Right-of-Way Area	10/10/2007	IST
Fourth Quarter 2008 Ground-Water Monitoring and Site Rehabilitation Completion Report	3/27/2009	IST
Declaration of Restrictive Covenant	4/22/2010	FDEP
Conditional Site Rehabilitation Completion Order	7/27/2010	FDEP

COMMUNICATION WITH OWNER / SITE VISIT

Arcadis contacted the President of Land & Commercial, Inc., Mr. Leo Bruso (phone: 301-952-9705), on February 29, 2016. A site visit was conducted with Mr. Bruso on March 14, 2016. Mr. Bruso indicated that he is aware of the IC placed on the Site. Four photographs taken during the site visit showing the IC areas are included herein.




03 14 2016





FINDINGS

The following findings were noted during the audit of the IC at the Georgia Pacific LLC Packaging Facility Site:

- The Highlands County Property Appraiser's database lists the property as being owned by Consulting RE LLC.
- Leo Bruso, President of Land & Commercial, Inc. (and Principal of Consulting RE LLC) is aware of the IC.
- It appears that the property owner has complied with the IC in the Restrictive Covenant.
- The FDEP OCULUS database contained 107 Site IC-related documents, including the DoRC.

Attachments:

Attachment 1 – Site Maps
Attachment 2 – Restrictive Covenant and Certificates of Title
Attachment 3 – Pertinent Groundwater Quality Figures

Attachment 1

Site Maps

Georgia Pacific Packaging Facility



February 26, 2016

1:2,257

- ACCESS RESTRICTION
- DIGGING RESTRICTION
- EC MAINTENANCE
- GROUNDWATER USE RESTRICTION
- LAND USE RESTRICTION
- LSSI NFA ORDER / REGISTRY
- OSHA NOTIFICATION REQUIREMENT

0 0.0275 0.055 0.11 mi

0 0.0425 0.085 0.17 km

FDEP

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

Map created by Map Direct, powered by ESRI.

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Georgia Pacific Packaging Facility



February 26, 2016

1:4,514

- ACCESS RESTRICTION
- DIGGING RESTRICTION
- EC MAINTENANCE
- GROUNDWATER USE RESTRICTION
- LAND USE RESTRICTION
- LSSI NFA ORDER / REGISTRY
- OSHA NOTIFICATION REQUIREMENT

0 0.05 0.1 0.2 mi

0 0.075 0.15 0.3 km

FDEP

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

Map created by Map Direct, powered by ESRI.

Florida Department of Environmental Protection makes no warranty,expressed or implied,or assumes any legal liability or responsibility for the accuracy,completeness,or usefulness of any information,apparatus,product,or process disclosed,or represents that its use would not infringe privately owned rights.

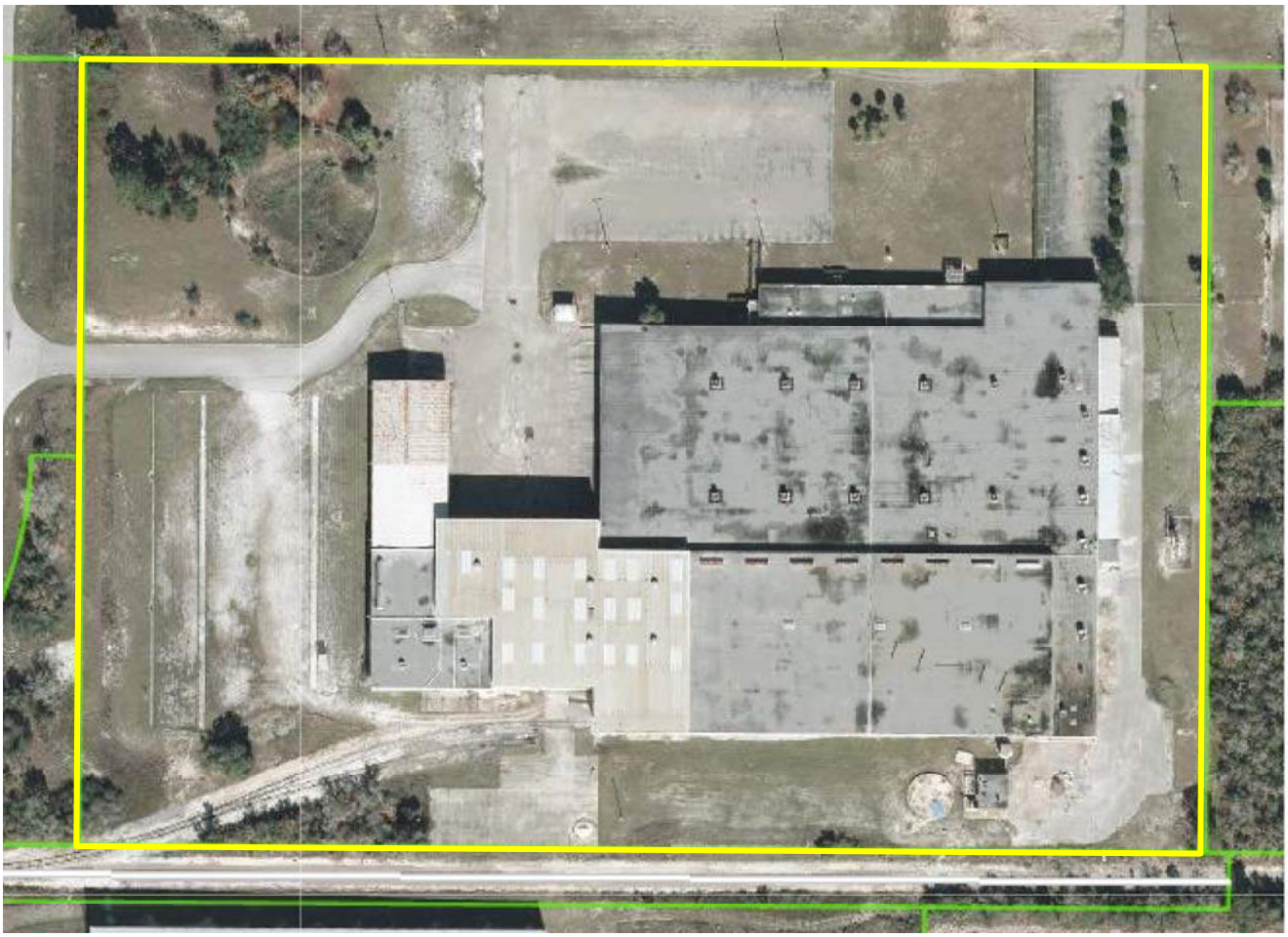
Results shown below for 1 Institutional Controls Registry Site.

Controls found for GEORGIA PACIFIC, LLC PACKAGING FACILITY (Site Id: FLD045003613, ICR Id: 621)
400 STATE ROAD 70 WEST, LAKE PLACID, 33852, HIGHLANDS County

IC TYPE	EC TYPE	MEDIA	CONTAMINATION	MECHANISM	DATE IC RECORDED	PROGRAM AREA	DATE ORDER ISSUED	DATE IC AMENDED	DATE IC REMOVED	INSPECTION DATE
LAND USE RESTRICTION	IMMOBILIZATION	SOIL	METAL - LEAD	RESTRICTIVE COVENANT	APRIL 22, 2010	RCRA	APRIL 07, 2010			OCTOBER 19, 2012

Print Close

Highlands County Property Appraiser



C-05-38-30-A00-0031-0000

http://www.hcpao.org/Search/Parcel/303805A0000310000C

12537 DISTRIBUTION BLVD
LAKE PLACID, FL 33852

Owners
CONSULTING RE LLC

Mailing Address
14416 OLD MILL RD
SUITE 201
UPPER MARLBORO, MD 20772

Legal Description
A TR OF LAND 1000 X 700 FT
IN NE 1/4 OF NE 1/4 FULLY
DESC IN OR 286-PG 83
5-38-30/3.1 16 ACRES M/L

DOR Code: 41 - LIGHT MANUFACTURE
Neighborhood Code: 5035 - IND STATE RD 70

Parcel C-05-38-30-A00-0031-0000

12537 DISTRIBUTION BLVD
LAKE PLACID, FL 33852
PLANT

Owners:
CONSULTING RE LLC

Mailing Address
14416 OLD MILL RD
SUITE 201
UPPER MARLBORO, MD 20772



DOR Code: 41 - LIGHT MANUFACTURE
Neighborhood: 5035.00 - IND STATE RD 70
Millage: 40 - County Southwest Water
Map ID: 142A

Legal Description

A TR OF LAND 1000 X 700 FT
IN NE 1/4 OF NE 1/4 FULLY
DESC IN OR 286-PG 83
5-38-30/3.1 16 ACRES M/L

Value Summary

Total Building Value	$49,601
Total XF Value	$134,926
Total Land Value	$160,000
Total Land value - Agri.	$0
Income	NA
Total Classified Use Value	$0
Total Just Value	$344,527

Taxable Value Summary

Total Assessed Value	$344,527
Total Exemptions	$0
Total Taxable Value	$344,527
Please note that property values in this office are being updated throughout the year. The final values are certified in October.	

Sales History

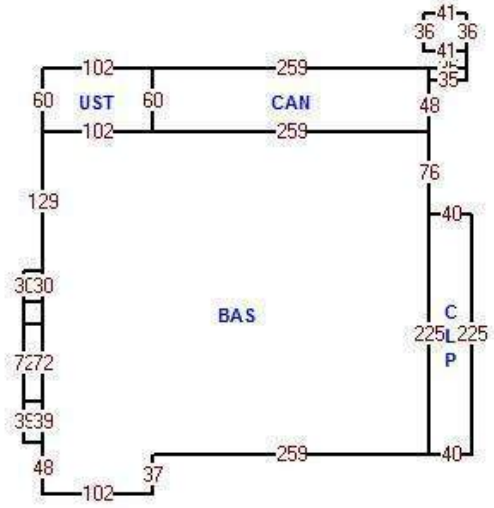
Official Record		Date		Type Inst	Qualified or Unqualified	Vacant or Improved	Reason Code	Sale Price
Book	Page	Month	Year					
2258	0426	10	2010	WD	Unqualified	Improved	36	$150,000
2064	0479	12	2006	QC	Unqualified	Improved	01	$1
0802	0526	07	1984		Unqualified	Improved	01	$1,000,000

Buildings

Building 1

Type	Model	EffectiveArea	Quality Index	Effective Base Rate	Repl Cost New	AYB	Econ	Fnct	Other % Dpr	Normal % Dpr	% Cond
89	06	135,012	138	$24.29	$3,279,441	1968	0	50	0.01	46.50 %	1.00 %

12537 DISTRIBUTION BLVD



CLP=W35 CAN=W259 UST=W102 S60 BAS=S129 CAN=W18 S30 UST=S20 CAN=S72 FST=S39 E18 N39 W18$ E18 N72 W18$ E18 N20 W18$ E18 N30$ S30 S20 S72 S39 S48 E102 N37 E259 CLP=E40 N225 W40 S225$ N225 N76 W259 W102$ E102 N60$ S60 E259 N60$ S12 E35 N12$ PTR=N15 UDU=N36 W41 S36 E41$ S15$.

Note: CONNECTED TO BLDG 2 ALSO SEE PARCEL #9 ALL TANKS=T.P.P. FUNC. OB.=LTD USE DESIGN NO WATER(2011) RAILROAD SPUR ACCESS

Element	Code	Description
Exterior Wall	27	Prefinished Metal
Exterior Wall 2	0	None
Roof Structure	9	Rigid Frame/Barjoist
Roof Cover	11	Metal Roof
Interior Wall	7	Unfinished
Interior Wall 2	0	None
Interior Flooring	4	Concrete Above Grade
Interior Flooring 2	0	None
Heating Fuel	1	None
Heating Type	1	None
Air Cond. Type	1	None
Bath Fixtures	12.0	
Bedrooms	0.0	
CW Quality	2	NS. Ceiling Fin
Common Wall	0	
Wall Height	20	
Rooms / Floor	1	

Subareas

Type	Gross Area	Percent of Base	Adjusted Area	Value
BAS	112,435	100.00 %	112,435	$27,310
CAN	15,540	60.00 %	9,324	$2,265
CLP	9,000	70.00 %	6,300	$1,530
UST	6,120	60.00 %	3,672	$892
UDU	1,476	75.00 %	1,107	$269
CAN	1,296	60.00 %	778	$189
FST	702	80.00 %	562	$137
CAN	540	60.00 %	324	$79
CLP	420	70.00 %	294	$71
UST	360	60.00 %	216	$52
Totals	147,889	N/A	135,012	$32,794

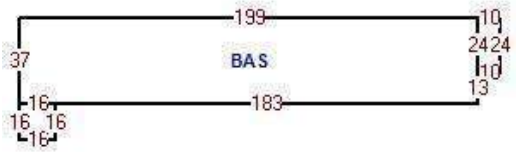
Building 2

Type	Model	EffectiveArea	Quality Index	Effective Base Rate	Repl Cost New	AYB	Econ	Fnct	Other % Dpr	Normal % Dpr	% Cond

Type	Model	EffectiveArea	Quality Index	Effective Base Rate	Repl Cost New	AYB	Econ	Fnct	Other % Dpr	Normal % Dpr	% Cond
77	04	7,512	85	$69.19	$519,755	1968	0	50	0.01	47.10 %	1.00 %

Element	Code	Description
Exterior Wall	20	Face Brick
Exterior Wall 2	0	None
Roof Structure	10	Steel Frame or Truss
Roof Cover	11	Metal Roof
Interior Wall	5	Drywall
Interior Wall 2	0	None
Interior Flooring	14	Carpet
Interior Flooring 2	7	Cork or Vinyl Tile
Heating Fuel	4	Electric
Heating Type	4	Force Air-Ducted
Air Cond. Type	3	Central
Bath Fixtures	9.0	
Bedrooms	0.0	
CW Quality	6	NS. Ceiling & Wall
Common Wall	50	
Wall Height	0	
Rooms / Floor	14	

12537 DISTRIBUTION BLVD



FCP=W10 BAS=W199 S37 FCP=S16 E16 N16 W16$ E199 N37$ S24 E10 N24$.

Note: CONNECTED TO BLDG 1 FUNC. OB.=LTD USE DESIGN

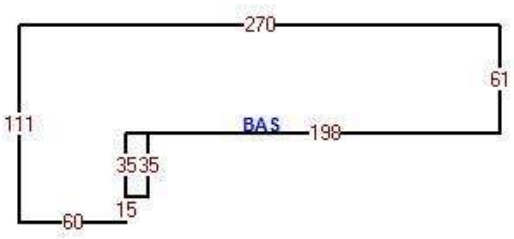
Subareas

Type	Gross Area	Percent of Base	Adjusted Area	Value
BAS	7,363	100.00 %	7,363	$5,094
FCP	256	30.00 %	77	$53
FCP	240	30.00 %	72	$50
Totals	7,859	N/A	7,512	$5,198

Building 3

Type	Model	EffectiveArea	Quality Index	Effective Base Rate	Repl Cost New	AYB	Econ	Fnct	Other % Dpr	Normal % Dpr	% Cond
89	06	19,764	118	$20.77	$410,498	1969	0	50	0.01	45.75 %	1.00 %

12537 DISTRIBUTION BLVD



BAS=W270 S111 E60 N15 CLP=E12 N35 W12 S35$ N35 E210 N61$.

Note: FUNC. OB.=LTD USE DESIGN

Element	Code	Description
Exterior Wall	27	Prefinished Metal
Exterior Wall 2	0	None
Roof Structure	10	Steel Frame or Truss
Roof Cover	11	Metal Roof
Interior Wall	7	Unfinished
Interior Wall 2	0	None
Interior Flooring	4	Concrete Above Grade
Interior Flooring 2	0	None
Heating Fuel	1	None
Heating Type	1	None
Air Cond. Type	1	None
Bath Fixtures	16.0	
Bedrooms	0.0	
CW Quality	2	NS. Ceiling Fin
Common Wall	0	
Wall Height	0	
Rooms / Floor	2	

Subareas

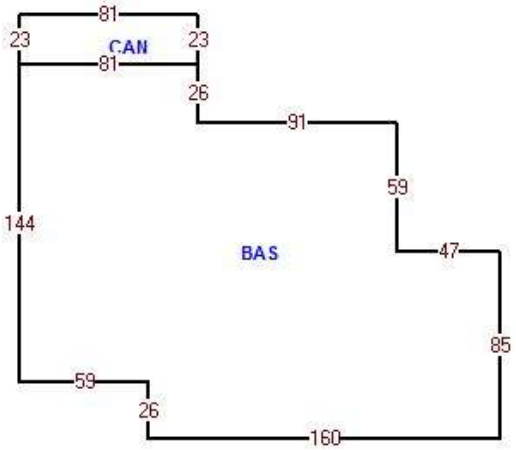
Type	Gross Area	Percent of Base	Adjusted Area	Value
BAS	19,470	100.00 %	19,470	$4,044
CLP	420	70.00 %	294	$61
Totals	19,890	N/A	19,764	$4,105

Building 4

Type	Model	EffectiveArea	Quality Index	Effective Base Rate	Repl Cost New	AYB	Econ	Fnct	Other % Dpr	Normal % Dpr	% Cond
89	06	30,453	140	$24.64	$750,362	1988	0	50	0.01	31.50 %	1.00 %

Element	Code	Description
Exterior Wall	27	Prefinished Metal
Exterior Wall 2	0	None
Roof Structure	9	Rigid Frame/Barjoist

12537 DISTRIBUTION BLVD



BAS=W91 N26 CAN=N23 W81 S23 E81$ W81 S144 E59 S26 E160 N85 W47 N59$.

Note: CONN TO BLDG 1+3 FUNC. OB.=LTD USE DESIGN

Element	Code	Description
Roof Cover	11	Metal Roof
Interior Wall	7	Unfinished
Interior Wall 2	0	None
Interior Flooring	4	Concrete Above Grade
Interior Flooring 2	0	None
Heating Fuel	1	None
Heating Type	1	None
Air Cond. Type	1	None
Bath Fixtures	0.0	
Bedrooms	0.0	
CW Quality	1	S. Ceiling Fin
Common Wall	53	
Wall Height	26	
Rooms / Floor	1	

Subareas

Type	Gross Area	Percent of Base	Adjusted Area	Value
BAS	29,335	100.00 %	29,335	$7,228
CAN	1,863	60.00 %	1,118	$275
Totals	31,198	N/A	30,453	$7,504

Extra Features

Code	Descr	BLD	SOH	Length	Width	Units	Unit Price	Orig Cond	Year On	AYB	% Cond	Value	Notes
0430	C PAV	1	M	0	0	22,126.00	2.95	0.20	0	1969	20 %	$13,054	
0411	ASPH PV	1	M	0	0	80,265.00	2.45	0.20	0	1969	20 %	$39,330	
0430	C PAV	1	M	100	100	10,000.00	2.95	0.20	0	1981	20 %	$5,900	
0463	F SPKL	1	M	0	0	149,763.00	1.45	0.20	0	1982	20 %	$43,431	
0470	PLANT S	1	M	0	0	2,000.00	5.20	0.20	0	1965	20 %	$2,080	
0294	AC WALL	1	M	0	0	12.00	239.00	0.20	0	1983	20 %	$574	
0430	C PAV	1	M	16	16	256.00	2.95	0.20	0	1985	20 %	$151	
0430	C PAV	1	M	32	25	800.00	2.95	0.20	2004	2004	20 %	$472	

Code	Descr	BLD	SOH	Length	Width	Units	Unit Price	Orig Cond	Year On	AYB	% Cond	Value	Notes
0032	C PATIO	2	M	39	17	663.00	4.65	0.20	0	1988	20 %	$617	
0032	C PATIO	2	M	18	18	324.00	4.65	0.20	0	1988	20 %	$301	
0032	C PATIO	2	M	40	20	800.00	4.65	0.20	1995	1995	20 %	$744	PAD UNDER TANK
0033	C RAISD	3	M	60	100	6,000.00	6.45	0.20	2001	2001	20 %	$7,740	SO OF R/R-12"
0430	C PAV	3	M	0	0	3,340.00	2.95	0.20	0	1969	20 %	$1,971	
0463	F SPKL	3	M	0	0	10,320.00	1.45	0.20	0	1982	20 %	$2,993	
0408	PLM FXC	3	M	0	0	16.00	2,780.00	0.20	0	1968	20 %	$8,896	
0408	PLM FXC	1	M	0	0	12.00	2,780.00	0.20	0	1968	20 %	$6,672	

Land Lines

The zoning information contained in this record is **not guaranteed**.
For exact information please contact the Highlands County Zoning Department.

Code	Descr	SOH	RD	Zone	Front	Depth	Land Units	Unit Type	Depth Factor	Cond Factor	Total Adj	Unit Price	Adj Unit Prc	Value	Not
4000	INDUSTRIAL	M	B	I2	1000.00	700.00	16.00	AC	1.00	0.80	0.80	12,500.00	10,000.00	$160,000	APPR 3+/- A NON USEA 80%

DISCLAIMER:
Please note that property values on this site are continously being updated and are a work in progress throughout the year. The final values are certified in October of each year.

Highlands County Property Appraiser · 560 S. Commerce Avenue · Sebring, Florida 33870-3899

Office Hours: 9:00 a.m. to 5:00 p.m. Monday - Friday · Phone: (863) 402-6659

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Attachment 2

Restrictive Covenant and
Property Deed

OFFICIAL RECORDS FILE# 1581205 BK 2235 PG 1302 RCD: 04/22/2010 04:11:19 PM
D.C. JBASSETT REC. FEE $78.00 ROBERT W. GERMAINE CLERK OF COURTS HIGHLANDS CO.

JB 78.00

This instrument prepared by: Ann Mingledorff
Georgia-Pacific Corrugated, LLC
133 Peachtree Street NE
Atlanta, Georgia 30303



DECLARATION OF RESTRICTIVE COVENANT

THIS DECLARATION OF RESTRICTIVE COVENANT (hereinafter "Declaration") is made this 14th day of April, 2010, by Georgia-Pacific Corrugated, LLC, a corporation authorized to conduct business in the State of Florida (hereinafter GRANTOR) and the Florida Department of Environmental Protection (hereinafter "FDEP").

RECITALS

A. GRANTOR is the fee simple owner of that certain real property situated in the County of Highlands, State of Florida, more particularly described in Exhibit "A" attached hereto and made a part thereof (hereinafter the "Property");

B. The FDEP Facility Identification Number for the Property is 07-0167-28-HW. The facility name at the time of this Declaration is Georgia-Pacific, LLC Packaging Facility

C. Prior to GRANTOR's ownership and operation of the Property, it is believed that former owners/operators discharged industrial wastewater containing lead chromate based ink residual to an on-site septic system ("Drainfield") in the northwest aspect of the property and three permitted (No. IO-28-560560) and engineered evaporation and infiltration basins ("Infiltration Ponds") in the southern aspect (as defined and highlighted on Exhibit B). In 1994 and 2006/2007, Grantor assessed and remediated these areas through excavation and off-site disposal or excavation, stabilization, and solidification. In addition, certain off-site impacted areas were remediated to the FDEP residential standard and on-site areas to the commercial/industrial standard. Post-remediation ground-water monitoring results indicated "non-detect" or lead concentrations less than specified in Florida Administrative Code (F.A.C.) Rule 62-777 in these areas. The assessment, remediation, and sampling activities are documented in the following reports that are incorporated by reference:

1. Revised Summary of Excavation Activities, Georgia-Pacific Facility, Lake Placid, Florida dated February 1993, submitted by Woodward-Clyde Consultants; and

2. Focused Risk Assessment and Development of Target Soil Concentrations for Lead, Lake Placid Facility dated April 1993, submitted by Hazardous Substance and Waste Management Research, Inc.;

3. Impacted Soil Delineation Georgia-Pacific Corporation Packaging Facility, Lake Placid, Florida dated October 2006, submitted by Integrated Science & Technology, Inc.; and

4. Soil Delineation Georgia-Pacific Corporation Packaging Facility, Lake Placid, Florida dated May 2008, submitted by Integrated Science & Technology, Inc.; and

5. Lead-Impacted Soil Remediation and Engineering Control, Former Georgia-Pacific LLC Packaging Facility, Lake Placid, Highlands County, Florida dated June too8, submitted by Integrated Science & Technology, Inc.; and

6. Fourth Quarter 2008 Ground-water Monitoring and Site Rehabilitation Completion Report, Former Georgia-Pacific LLC Packaging Facility, 400 State Road 70 West, Lake Placid, Highlands County, Florida dated March 2009, submitted by Integrated Science & Technology, Inc.

D. The reports noted in Recital C (the "Reports") set forth the nature and extent of the historical environmental investigations and remediation on the Property. These Reports indicate that lead-impacted *soil* as defined by F.A.C. Rule 62-777 existed on the Property prior to remediation, which included a combination of excavation and off-site disposal (Drainfield) and solidification/stabilization (Infiltration Ponds). The Reports also indicate that lead-impacted soil that had eroded off-site was removed to FDEP residential standards and post remediation confirmation samples showed soil lead concentrations less than FDEP residential standards and that solidified and stabilized impacted soil did not leach lead at concentrations exceeding the US EPA TCLP criterion. Ground-water samples collected in February 2008, June 2008, September 2008, and December 2008 indicate no lead concentrations in and downgradient of the remediated areas in excess of the F.A.C. Rule 62-77 criterion. This declaration imposes restrictions on those portions of the Property, as described and highlighted as "Drainfield" and "Infiltration Ponds" in Exhibit B attached hereto and made a part thereof, (hereinafter referred to as those "Portions of the Property") that were remediated through excavation and off-site disposal or stabilization and solidification.

E. It is the intent of the restrictions in this declaration to reduce or eliminate the potential risk of exposure of the contaminants to the environment and to users or occupants of the Property and to reduce or eliminate the threat of migration of the contaminants, if any, following the remediation that was conducted on those Portions of the Property.

F. The FDEP has agreed to issue a Site Rehabilitation Completion Order

with Conditions (hereinafter "Order") upon recordation of this Declaration, and the FDEP can unilaterally revoke the Order if the conditions of this Declaration or of the Order are not met. Additionally, in the event concentrations of lead increase above the levels approved in the Order, or if a subsequent discharge occurs at the Property, the FDEP may require site rehabilitation to reduce concentrations of contamination to the levels allowed by the appropriate FDEP rules. The Order relating to FDEP Facility No. 07-0167-28-HW, is on file with the FDEP Hazardous Waste Program-South District located at 2295 Victoria Avenue, Suite 364, Fort Meyers, Florida 33902-2549.

G. GRANTOR deems it desirable and in the best interest of all present and future owners of the Property that an Order be obtained and that the Property and those Portions of the Property, as described and highlighted as "Drainfield" and "Infiltration Ponds" in Exhibit B, be held subject to certain restrictions and changes, all of which are more particularly hereinafter set forth.

NOW, THEREFORE, to induce the FDEP to issue the Order and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned parties, GRANTOR agrees as follows:

1. The foregoing recitals are true and correct and are incorporated herein by reference.

2. GRANTOR hereby imposes on those Portions of the Property the following restrictions:

   a. There shall be no drilling for water conducted on those Portions of the Property nor shall any wells be installed on those Portions of the Property other than monitoring wells pre-approved by the FDEP. Additionally, there shall be no stormwater swales, stormwater detention or retention facilities or ditches on those Portions of the Property. For any dewatering activities, a plan must be in place to address and ensure the appropriate handling, treatment, and disposal of any extracted groundwater that may be contaminated.

   b. The area of soil contamination as located on those Portions of the Property as described and highlighted as "Drainfield" and "Infiltration Ponds" in Exhibit B shall be permanently covered and maintained with two (2) feet of clean and uncontaminated soil that prevents human exposure; *and*

   c. Excavation and construction below two feet surface elevation is not prohibited within that Portions of the Property as described and highlighted as "Drainfield" in Exhibit B. provided any contaminated soils that are excavated are removed and properly disposed of pursuant to Chapter 62-777, F.A.C. (or subsequent contamination site cleanup criteria rule(s)). Further, excavation and construction below two feet surface elevation and/or disturbance of the stabilized/solidified monolith and interlocking concrete block

retaining wall/geotextile barrier system, as described and highlighted as the "Infiltration Ponds" and "Retaining Wall" in Exhibit B, is prohibited. Nothing herein shall limit or conflict with any other legal requirements regarding construction methods and techniques that must be taken to minimize risk of exposure while conducting work in contaminated areas. For any dewatering activities, a plan must be in place to address and ensure the appropriate handling, treatment, and disposal of any extracted groundwater that may be contaminated. Nothing in this declaration shall prevent, limit or restrict any excavation or construction at or below the surface outside the boundary of those Portions of the Property as described and highlighted as "Drainfield" and "Infiltration Ponds AOC" in Exhibit B.

3. GRANTOR hereby imposes on the Property the following restrictions:

   a. Generally, there shall be no agriculture use of the land including forestry, fishing and mining; no hotels or lodging; no recreational uses including amusement parks, parks, camps, museums, zoos, or gardens; no residential uses; and no educational uses such as elementary and secondary schools, or day care services. These prohibited uses are specifically defined by using the North American Industry Classification System, United States, 2002 (NAICS), Executive Office of the President, Office of Management and Budget. The prohibited uses by code are: Sector 11 Agriculture, Forestry, Fishing and Hunting; Subsector 212 Mining (except Oil and Gas); Code 512132 Drive-In Motion Picture Theaters; Code 51412 Libraries and Archives; Code 53111 Lessors of Residential Buildings and Dwellings; Subsector 611 Elementary and Secondary Schools; Subsector 623 Nursing and Residential Care Facilities; Subsector 624 Social Assistance; Subsector 711 Performing Arts, Spectator Sports and Related Industries; Subsector 712 Museums, Historical Sites, and Similar Institutions; Subsector 713 Amusement, Gambling, and Recreation Industries; Subsector 721 Accommodation (hotels, motels, RV parks, etc.); Subsector 813 Religious, Grantmaking, Civic, Professional, and Similar Organizations; and Subsector 814 Private Households.

4. For the purpose of monitoring the restrictions contained herein, FDEP or its respective successors and assigns shall have site access to the Property at reasonable times and with reasonable notice to the GRANTOR and its successors and assigns.

5. It is the intention of GRANTOR that the restrictions contained in this Declaration shall touch and concern the Property, run with the land and with the title to the Property, and shall apply to and be binding upon and inure to the benefit of the successors and assigns of GRANTOR, and to FDEP, its successors and assigns, and to any and all parties hereafter having any right, title or interest in the Property or any part thereof. The FDEP, its successors and assigns may enforce the terms

and conditions of this Declaration by injunctive relief and other appropriate available legal remedies. Any forbearance on behalf of the FDEP to exercise its right in the event of the failure of the GRANTOR, its successors and assigns to comply with the provisions of this Declaration shall not be deemed or construed to be a waiver of the FDEP's rights hereunder. This Declaration shall continue in perpetuity, unless otherwise modified in writing by GRANTOR, its successors and assigns and the FDEP, its successors and assigns as provided in paragraph 7 hereof. These restrictions may also be enforced in a court of competent jurisdiction by any other person, firm, corporation, or governmental agency that is substantially benefited by this restriction.

6. In order to ensure the perpetual nature of these restrictions, GRANTOR, its successors and assigns, shall reference these restrictions in any subsequent lease or deed of conveyance, including the recording book and page of record of this Declaration.

7. This Declaration is binding until a release of covenant is executed by the FDEP Secretary (or designee) and GRANTOR or their successors and assigns and is recorded in the county land records. To receive prior approval from FDEP to remove any requirement herein cleanup target levels established pursuant to Florida Statutes and FDEP rules must have been achieved. This Declaration may be modified in writing only. Any subsequent amendment must be executed by both GRANTOR and the FDEP or their respective successors and assigns and be recorded by GRANTOR or its successors and assigns as an amendment hereto.

8. If any provision of this Declaration is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of any other provisions thereof. All such other provisions shall continue unimpaired in full force and effect.

9. GRANTOR covenants and represents that on the date of execution of this Declaration that GRANTOR is seized of the Property in fee simple and has good right to create, establish, and impose this restrictive covenant on the use of the Property. GRANTOR also covenants and warrants that the Property is free and clear of any and all liens, mortgages, or encumbrances that could impair GRANTOR'S rights to impose the restrictive covenant described in this Declaration or that would be superior to the restrictive covenant described in this Declaration (Exhibit A).

IN WITNESS WHEREOF, Georgia Pacific Corrugated, LLC has executed this instrument, this 14th day of April, 2010.

Signed, sealed and delivered in the presence of:

Diana M Knigge RAM
Signature

Of: Georgia Pacific Corrugated, LLC

Print Name: Diana M. Knigge Its: Vice President - Real Estate
Vice President

133 Peachtree Street, N.E., AtlantanGA 30303
Mailing Address

Witness Date: 4/14/10
Print Name: Sandra Champion

Witness Date: 4-14-10
Print Name: Judi S. Reagan

STATE OF GEORGIA

COUNTY OF FULTON

The foregoing instrument was acknowledged before me this 14th day of April, 2010, by Diana M. Knigge.

Personally known X OR Produced Identification _____
Type of Identification Produced _____

Kelly H. Moore
Signature of Notary Public

Kelly H. Moore
Print Name of Notary Public

Commission No. 04/03/2011

Commission Expires: 04/03/2011

KELLY H. MOORE NOTARY PUBLIC EXP. APR. 3, 2011 FAYETTE COUNTY, GEORGIA

Approved as to form by the Florida Department of Environmental Protection, Office of General Counsel.

IN WITNESS WHEREOF, the Florida Department of Environmental Protection has executed this instrument, this _____ day of _____, 20___.

Signed, sealed and delivered in the presence of:

FLORIDA DEPARTMENT OF

ENVIRONMENTAL PROTECTION

By: _____

Print Name: JON M. IGLEHART
Title: DIRECTOR OF DISTRICT MANAGEMENT
Florida Department of Environmental Protection; South District; 229 Victoria Avenue, Suite 364; P.O. Box 22594; Fort Myers, Florida 33902-2549

Witness: _____ Date: 4/7/10
Print Name: Charles Emery III

Witness: _____ Date: 4/7/2010
Print Name: REGINA C. DICK

STATE OF Florida
COUNTY OF Lee

The foregoing instrument was acknowledged before me this 7th day of April, 2010, by JON M. IGLEHART as representative for the Florida Department of Environmental Protection.
Personally Known ✓ OR Produced Identification _____
Type of Identification Produced _____

_____
Signature of Notary Public

DENISE M. SCARPUZZI
Commission DD 829281
Expires October 8, 2012
Bonded Thru Troy Fain Insurance 800-385-7019

_____
Print Name of Notary Public

Commission No. _____

Commission Expires: _____

Exhibit A

The Property

From the Northeast corner of Section 5, Township 38 South, Range 30 East, HIGHLANDS COUNTY, FLORIDA, run North 89°50'56" West along the North line of said Section 5 a distance of 750 feet; thence South 0°13'54" West 130.01 feet for a POINT OF BEGINNING, said point being on the South right-of-way line of State Road No. 70; run thence South 00°13'54 West 700 feet; thence North 89°46'06" West 1,000 feet; thence North 00°13'54" East 700 feet to the Southerly right-of-way line of State Road 70; thence South 89°46'06" East for a distance of 1,000 feet to the POINT OF BEGINNING.

The above-described property is identified as Tax Parcel Number C-05-38-30-A00-0031-0000.

Exhibit B

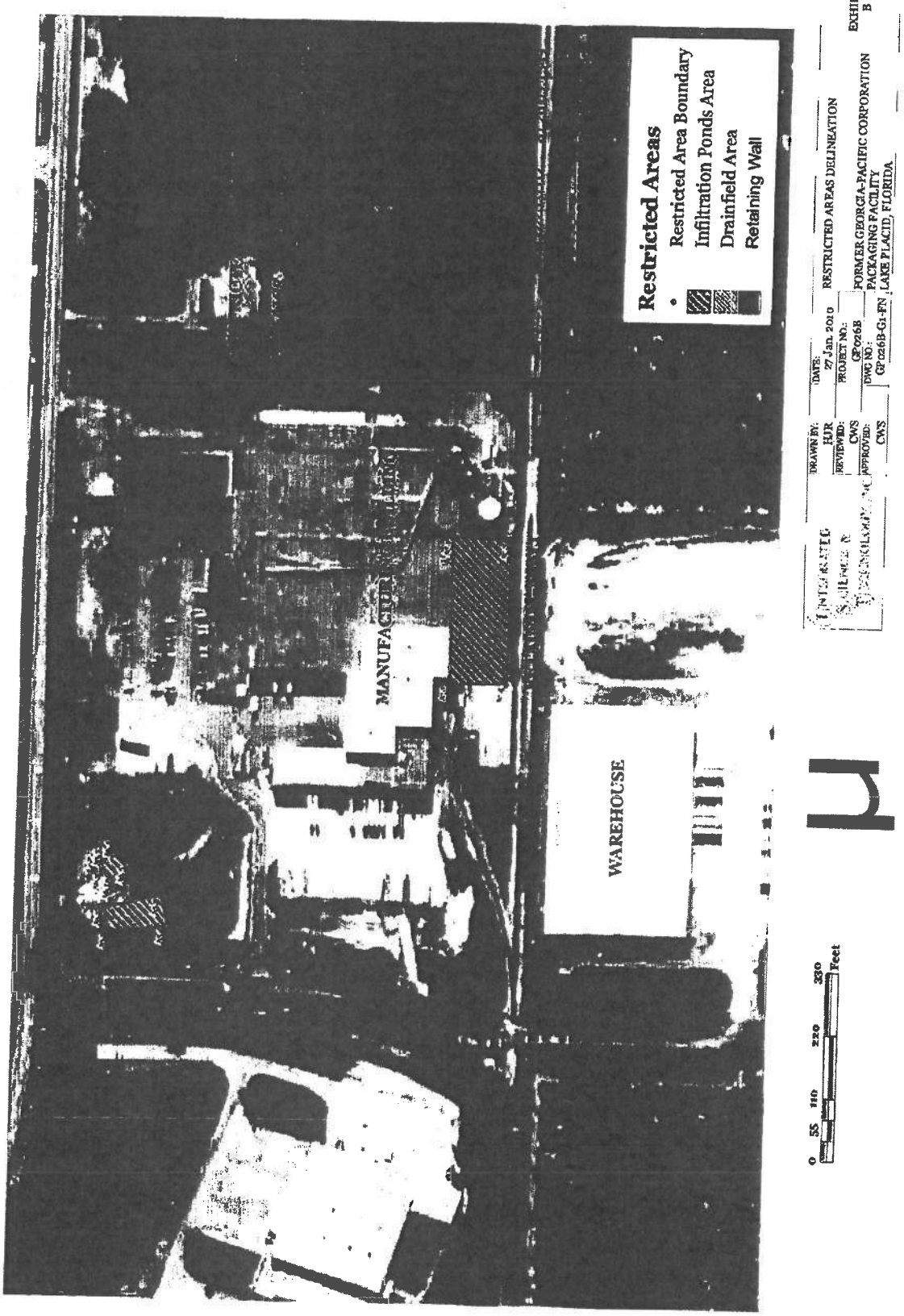


Exhibit B

RECORDED IN OFFICIAL RECORDS
Unofficial Document

OFFICIAL RECORDS FILE# 1599643 BK 2258 PG 426 RCD: 10/19/2010 01:38:21 PM
D.C. JBASSETT REC. FEE $44.00 DEED DOC STAMPS $1050.00 ROBERT W. GERMAINE
CLERK OF COURTS HIGHLANDS CO.

JB 44.00
1050.00

Return to:
Old Republic National Title Ins. Co.
600 W. Hillsboro Blvd., Suite 530
Deerfield Beach, FL 33441



FILE NO. 10050001

Prepared by and Return to:
Michael A Durant, Esq.
Conroy, Conroy & Durant, P.A.
2210 Vanderbilt Beach Road
Suite 1201
Naples, Florida 34109

Property Parcel Identification No(s):
C-05-38-30-A00-0031-0000

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SPECIAL WARRANTY DEED

THIS SPECIAL WARRANTY DEED, made this 15th day of October, 2010, by and between **GEORGIA-PACIFIC CORRUGATED LLC**, a Delaware limited liability company, whose mailing address is 133 Peachtree Street, NE, Atlanta, Georgia 30303 ("**Grantor**"), and **CONSULTING RE, LLC**, a Florida limited liability company, whose mailing address is 7837 Hawthorne Drive #1104, Naples, Florida 34113 ("**Grantee**");

W I T N E S S E T H :

THAT THE SAID GRANTOR, for and in consideration of the sum of Ten and No/100 Dollars ($10.00) and other good and valuable consideration, to it paid by Grantee, the receipt of which is hereby acknowledged, has bargained, sold and conveyed and by these presents does bargain, sell and convey unto the said Grantee, its successors and assigns, the premises located at 12537 Distribution Blvd, Lake Placid, Highlands County, Florida 33852, being more particularly described in **Exhibit A**, attached hereto and made a part hereof by reference, together with all buildings and other improvements located thereon, as well as all rights, privileges and easements appertaining thereto (such land, together with such buildings, improvements, rights, privileges and easements being hereinafter referred to as the "**Real Property**").

TO HAVE AND TO HOLD the Real Property and all privileges and appurtenances thereto belonging unto said Grantee, its successors and assigns, in fee simple forever.

AND THE SAID GRANTOR does covenant that it is seized of the Real Property in fee simple; that the Real Property is free from encumbrances made by the Grantor; and that it will warrant and defend the title to the Real Property against the claims of all persons claiming by, through or under the said Grantor, but against none other; provided, however, that this conveyance is made subject to and there are hereby excepted from the covenants and warranties hereinabove set forth, the matters set forth in **Exhibit B**, attached hereto and made a part hereof.

THIS CONVEYANCE is further subject to that certain Declaration of Restrictive Covenant by Georgia-Pacific Corrugated LLC dated April 14, 2010, recorded in Book 2235, Pages 1302 - 1310, Highlands County, Florida Public Records. The provisions of the foregoing Declaration of Restrictive Covenant are intended to be covenants running with the land as to the Real Property, which shall bind the successors in title to Grantee and insure to the benefit of the Grantor and its successors and assigns.

[Signatures continued on next page.]

IN WITNESS WHEREOF, Grantor has caused this Special Warranty Deed to be executed on the date first above written.

Signed, sealed and delivered in the presence of:

WITNESSES:

Witness
Print Name: Ann F. Mingledorff

Witness
Print Name: Trey McGowan

GRANTOR:

GEORGIA-PACIFIC CORRUGATED LLC

By: Diana M. Knigge
Name: Diana M. Knigge
Title: Vice President – Real Estate

(CORPORATE SEAL)

STATE OF GEORGIA

COUNTY OF FULTON

The foregoing Special Warranty Deed was acknowledged before me this 14th day of October, 2010, by Diana M. Knigge, as Vice President - Real Estate of **GEORGIA-PACIFIC CORRUGATED LLC** who is personally known to me.

Kelly H. Moore
NOTARY PUBLIC
Print Name: Kelly H. Moore

My Commission expires: 04/03/2011

KELLY H. MOORE NOTARY PUBLIC FAYETTE COUNTY, GEORGIA EXP. APR. 3, 2011

Lake Placid, FL (MFG)
#2317360v2

Exhibit A

The Real Property

From the Northeast corner of Scction 5, Township 38 South, Range 30 East, HIGHLANDS COUNTY, FLORIDA, run North 89°50'56" West along the North line of said Section 5 a distance of 750 feet; thence South 0°13'54" West 130.01 feet for a POINT OF BEGINNING, said point being on the South right-of-way line of State Road No. 70; run thence South 00°13'54" West 700 feet; thence North 89°46'06" West 1,000 feet; thence North 00°13'54" East 700 feet to the Southerly right-of-way line of State Road 70; thence South 89°46'06" East for a distance of 1,000 feet to the POINT OF BEGINNING.

The above-described property is identified as Tax Parcel Number C-05-38-30-A00-0031-0000.

Exhibit B

Permitted Exceptions

1. Easements, rights-of-way, servitudes, permits, licenses, surface leases, covenants, prescriptive rights, restrictions, encroachments, discrepancies, gaps, claims or other matters of record or which would be ascertainable by a thorough physical inspection of the Real Property or an accurate ALTA/ACSM Survey.

2. Existing zoning, subdivision and Environmental Laws or ordinances.

3. Taxes or assessments for the current year which are not yet due and payable.

OFFICIAL RECORDS FILE# 1451235 BK 2064 PG 479 RCD: 04/27/2007 10:41:23 AM
D.C. CNORKA REC. FEE $27.00 L.E. "LUKE" BROOKER CLERK OF COURTS HIGHLANDS CO.

27.00 CW

Prepared by: and Return to:

Paige E. Brodsky, Esq.
Georgia-Pacific Corrugated LLC
133 Peachtree Street, NE
Atlanta, Georgia 30303



Property Parcel Identification No(s):
C-05-38-30-A00-0090-0000
C-05-38-30-A00-0031-0000

Cross Reference to:
Deed Book 1711, page 966
Deed Book 802, Page 526
Records of Highlands County, Florida

_____Space above this line for processing data _____

QUITCLAIM DEED

THIS QUITCLAIM DEED, executed this **31st day of December, 2006**, by **GEORGIA-PACIFIC CORPORATION**, party of the first part, whose mailing address is 133 Peachtree Street, NE, Atlanta, Georgia 30303 (hereinafter, "**Grantor**") to **GEORGIA-PACIFIC CORRUGATED LLC**, party of the second part, whose mailing address is 133 Peachtree Street, NE, Atlanta, Georgia 30303 (hereinafter "**Grantee**").

W-I-T-N-E-S-S-E-T-H

THAT Grantor, for and in consideration of the sum of $10.00, in hand paid by Grantee, the receipt whereof is hereby acknowledged, does hereby remise, release, and quitclaim unto Grantee forever, all the right, title interest, claim and demand which Grantor has in and to the following described lot, piece or parcel of land situate, lying and being in the County of Highlands, State of Florida, to wit:

See **Exhibit A**, attached hereto and made a part hereof by reference.

TO HAVE AND TO HOLD, the same together with all and singular the appurtenances thereunto belonging or anywise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of Grantor, either in law or equity, to the only proper use, benefit and behoof of Grantee.

[Signatures continued on the following page]

IN WITNESS WHEREOF, the said first parties have signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in the presence of:

WITNESSES:

Witness
Print Name: Stewart E Holm

Witness
Print Name: MICHAEL S. SAW

GRANTOR:

GEORGIA-PACIFIC CORPORATION

By: _____
Carol A. Stephens, Senior Director of
Corporate Real Estate

(CORPORATE SEAL)

STATE OF GEORGIA

COUNTY OF FULTON

The foregoing Quit Claim Deed was acknowledged before me this 31st day of December, 2006, by Carol A. Stephens, as Senior Director of Corporate Real Estate of **GEORGIA-PACIFIC CORPORATION** who is personally known to me.

_____
NOTARY PUBLIC
Print Name: Deborah Corey

My Commission expires: 7/8/08

DEBORAH COREY NOTARY PUBLIC HALL COUNTY GEORGIA EXPIRES JULY 8, 2008

Exhibit A

Lake Placid Warehouse:

PARCEL I:
A portion of Section 5, Township 38 South, Range 30 East, lying South of Seaboard Coastline Railroad right of way, Highlands County, Florida, being more particularly described as follows: Commence at the Southeast corner of the Northeast quarter of Section 5, Township 38 South, Range 30 East; thence North 00 deg. 30'53" East, along the East line of said Section 5, a distance of 1,811.70 feet to a point lying on the South right of way line of Seaboard Coastline Railroad; thence North 89 deg. 37'34" West, along said right of way line, a distance of 994.97 feet for the Point of Beginning; thence continue North 89 deg. 37'34" West along said line, a distance of 875.00 feet; thence South 00 deg. 22'26" West, a distance of 500.00 feet; thence South 89 deg. 37'34" East and parallel with the South right of way line of Seaboard Coastline Railroad, a distance of 875.00 feet; thence North 00 deg. 22'26" East, a distance of 500.00 feet to a point lying on the South right of way line of Seaboard Coastline Railroad and the Point of Beginning.

PARCEL II:
Non-exclusive easements for the benefit of Parcel I as set forth in Warranty Deed from Lake Placid Groves, L.L.C., a Florida limited liability company to TyTy, Inc., a Georgia corporation, dated July 18, 2003, recorded August 8, 2003 in O.R. Book 1694, Page 1551.

PARCEL III:
Perpetual non-exclusive easement for the benefit of Parcel I as set forth in Easement, Construction, and Maintenance Agreement by and between South Central Florida Express, Inc., a Florida corporation, and Lake Placid Groves, L.L.C., a Florida limited liability company, and TyTy, Inc., a Georgia corporation, dated August 13, 2003, recorded September 8, 2003 in O.R. Book 1701, Page 1034.

The above-described property is identified as Tax Parcel Number C-05-38-30-A00-0090-0000.

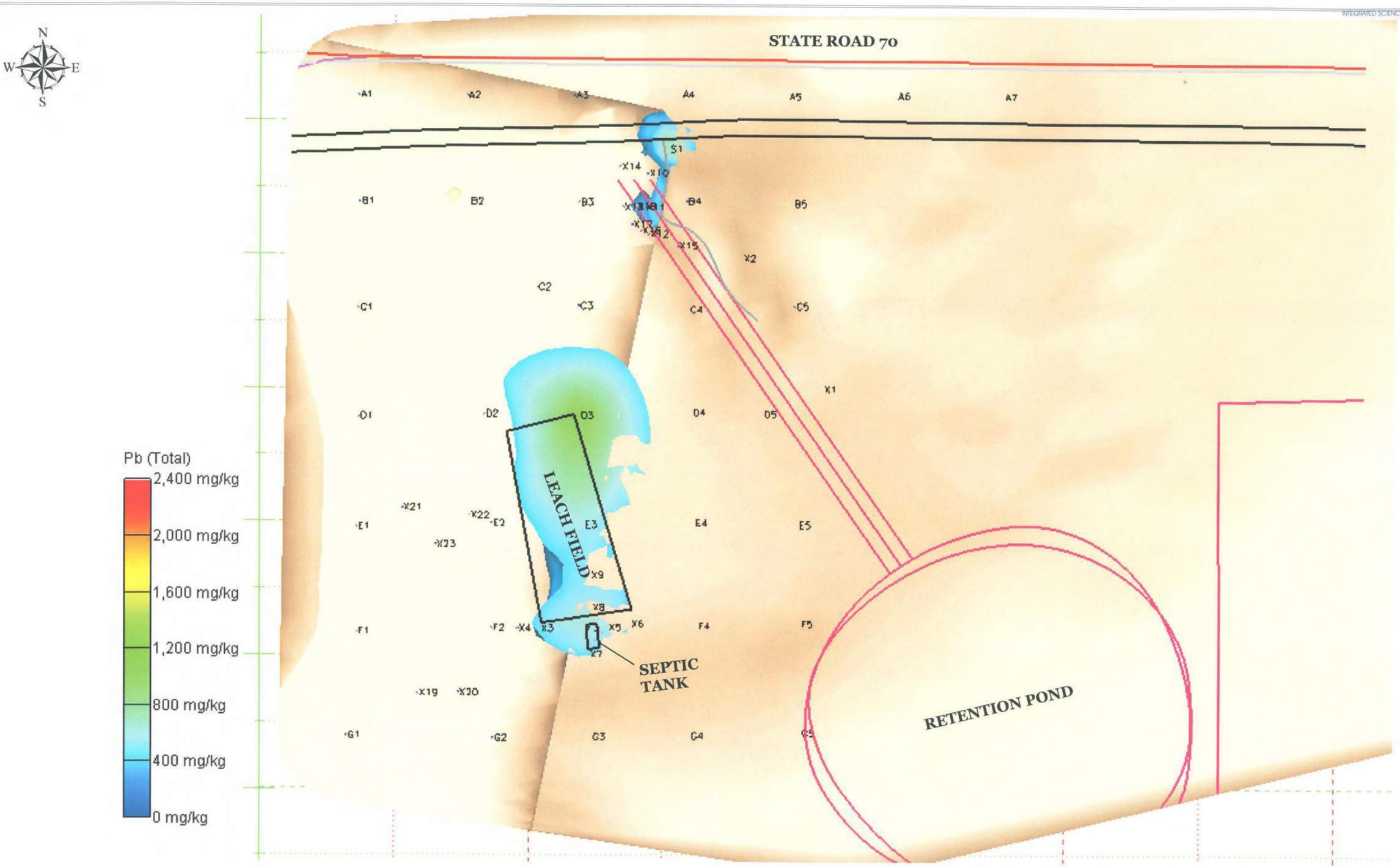
Lake Placid Manufacturing Plant:

From the Northeast corner of Section 5, Township 38 South, Range 30 East, HIGHLANDS COUNTY, FLORIDA, run North 89°50'56" West along the North line of said Section 5 a distance of 750 feet; thence South 0°13'54" West 130.01 feet for a POINT OF BEGINNING, said point being on the South right-of-way line of State Road No. 70; run thence South 00°13'54" West 700 feet; thence North 89°46'06" West 1,000 feet; thence North 00°13'54" East 700 feet to the Southerly right-of-way line of State Road 70; thence South 89°46'06" East for a distance of 1,000 feet to the POINT OF BEGINNING.

The above-described property is identified as Tax Parcel Number C-05-38-30-A00-0031-0000.

Attachment 3

Pertinent Site and Soil Quality Figures



INTEGRATED SCIENCE & TECHNOLOGY, INC.	DRAWN BY: CWS	DATE: 1 SEP 2006	EXTENT OF TOTAL LEAD IN SOIL GREATER THAN RESIDENTIAL CLEANUP TARGET LEVELS (400 MG/KG)
	REVIEWED: DPO	PROJECT NO.: GP026B	AOC-1 PLAN VIEW GEORGIA PACIFIC CORPORATION PACKAGING FACILITY LAKE PLACID, FLORIDA
	APPROVED: DMW	DRAWING NO.: GP026B-G1-F6	FIGURE 7

INTEGRATED SCIENCE & TECHNOLOGY

N
W E
S

STATE ROAD 70

A1 A2 A3 A4 A5 A6 A7
B1 B2 B3 B4 B5
C1 C2 C3 C4 C5
D1 D2 D3 D4 D5
E1 E2 E3 E4 E5
F1 F2 F3 F4 F5
G1 G2 G3 G4 G5

S1
X1 X2 X3 X4 X5 X6 X7 X8 X9 X10 X11 X12 X13 X14 X15 X16 X17 X19 X20 X21 X22 X23

LEACH FIELD

SEPTIC TANK

RETENTION POND

Pb (Total)
2,400 mg/kg
2,000 mg/kg
1,600 mg/kg
1,200 mg/kg
800 mg/kg
400 mg/kg
0 mg/kg

INTEGRATED SCIENCE & TECHNOLOGY, INC.	DRAWN BY: CWS	DATE: 1 SEP 2006	EXTENT OF TOTAL LEAD IN SOIL GREATER THAN COMMERCIAL/INDUSTRIAL CLEANUP TARGET LEVELS (1400 MG/KG) AOC-1 PLAN VIEW GEORGIA PACIFIC CORPORATION PACKAGING FACILITY LAKE PLACID, FLORIDA
	REVIEWED: DPO	PROJECT NO.: GP026B	
	APPROVED: DMW	DRAWING NO.: GP026B-G1-F8	

FIGURE 9



DRAWN BY: HJR	DATE: 9/21/07	AERIAL PHOTOGRAPH SHOWING GENERAL SITE LAYOUT	FIGURE 2
REVIEWED: CWS	PROJECT NO.: GP026B	GEORGIA-PACIFIC LLC PACKAGING FACILITY	
APPROVED: DMW	DWG NO.: GP026B-G1-F1	400 STATE 70 WEST LAKE PLACID, FLORIDA	

Map ID 19 – AT&T Communications – Childs Microwave Tower
301 SR 70

Best Available Copy

DATA ENTERED
OCT 17 1986

Department of Environmental Regulation
FEDERAL/STATE STORAGE TANK NOTIFICATION FORM
Form 17-1.218(5)

BY: BMC

PLEASE PRINT OR TYPE

(1) DER facility number (if known) 28862667/ (2) County code 28

(3) This information is: original X data revision ____

(4) Facility type (see code list (4) on back) C

(5) Facility name AT&T C. ~~-~~ Childs Microwave Tower

Street address/city/state/zip SR 70, 1 ~~mile~~ ~~West~~ W of US 27, ~~south~~ S of Lake Placid

(6) Operator M.M.Graves Supvr. Telephone # (813) 984-1581

Mailing address/city/state/zip P.O.Box 308 Polk City, Fl. 33868

New Operator date (only for change of Operator) ____/____/____

(7) Company/Person owning tank(s) and piping AT&T Communications, ~~T.B.Gurley~~

Company address/city/state/zip 401 W. Peachtree Street Atlanta, Ga. 30308

Contact Person T.B. Gurley Telephone # (404) 581-6312

New Owner date (only for change of Owner) ____/____/____

(8) Location (optional): Latitude 27 ° 12 ' 26 " Longitude 81 ° 20 ' 05 "

Section ____ Township ____ Range ____

(9) Do you have any DER non-registered aboveground tanks holding any of these substances at your facility? Yes ___ No X

PLEASE FILL OUT ONE LINE FOR EACH TANK WITH CODES LISTED ON BACK

Fill out columns (10) through (17) for tanks in use, and (10) through (19) for tanks out of use

(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1	2,000	K,M	07/64	C	C	I	A		

RECEIVED
APR 29 1986
SOLID WASTE SUBSECTION

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

M M GRAVES Operations Supervisor
Print name and title of owner, operator or authorized person

M. M. Graves
Signature

4-25-86
Date

DER Form # 17-761.900(2)
Form Title Storage Tank Registration Form
Effective Date
DER Application No. (Filled in by DER)

Florida Department of Environmental Regulation
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DATA ENTERED NOV 2 BY

RECEIVED DER 92 JUL -8 PM 2:59 STORAGE TANK REGULATION

Storage Tank Registration Form

Please Print or Type - Review Instructions Before Completing Form

1. DER Facility ID Number: 28/8626671 2. Facility Type: C
3. New Registration ☐ New Owner Data ☒ Facility Revision ☐ Tank(s) Revision ☐
4. County and Code of tank(s) location: Highlands / 28

5. Facility Name: AT&T Communications - Childs
   Tank(s) Address: SR 70 1 mile W of US 27
   City/State/Zip: S of Lake Placid FL
   Contact Person: Larry McKelvey Telephone: (404) 810-4514
6. Financial Responsibility Type: C

7a. Tank(s) Owner: MR. L. E. McKELVEY, SUPERVISOR-REAL ESTATE
AT&T CO.
Owner Mailing Ac PROMENADE II, FLOC 21W19
1200 PEACHTREE ST. N.E.
City/State/Zip: ATLANTA, GA 30309
Contact Person: Telephone: (404) 810-4514

7b. New Owner Signature/Change Date: / / / /

8. Location (optional) Longitude: ° ' " Latitude: ° ' " Section Township Range

Complete One Line For Each Tank At This Facility (Use Codes - See Instructions)

Complete 9 - 16 for tanks in use; 9 - 19 for tanks out of use

9	10	11	12	13	14	15	16	17	18	19

20. _____ DPR# _____
Certified Contractor* Department of Professional Regulation License Number*

*For new tank installation or tank removal

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

T.M. Pressley
Supervisor Building Design & Construction
Print name & title of owner or authorized person

T.M. Pressley
Signature

6/3/92
Date

Northwest District 160 Governmental Center Pensacola, Florida 32501-5794 904-436-8300
Northeast District 7825 Baymeadows Way, Suite B 200 Jacksonville, Florida 32207 904-798-4200
Central District 3319 Maguire Blvd. Suite 232 Orlando, Florida 32803-3767 407-894-7555
Southwest District 4520 Oak Fair Blvd. Tampa, Florida 33610-7347 813-623-5561
South District 2269 Bay St. Fort Myers, Florida 33901-2896 813-332-6975
Southeast District 1900 S Congress Ave., Suite A West Palm Beach, Florida 33406 407-433-2650

DATA ENTERED

DEC 5 1989

BY [redacted]

AT&T

401 W. Peachtree St., N. E.
Atlanta, Georgia 30308

RECEIVED
NOV 28 1989
STORAGE TANK
REGULATION

November 22, 1989

Florida Department of Environmental Regulations
Stationary Tank Regulation Section
2600 Blairstone Road
Tallahassee, FL 32399-2400

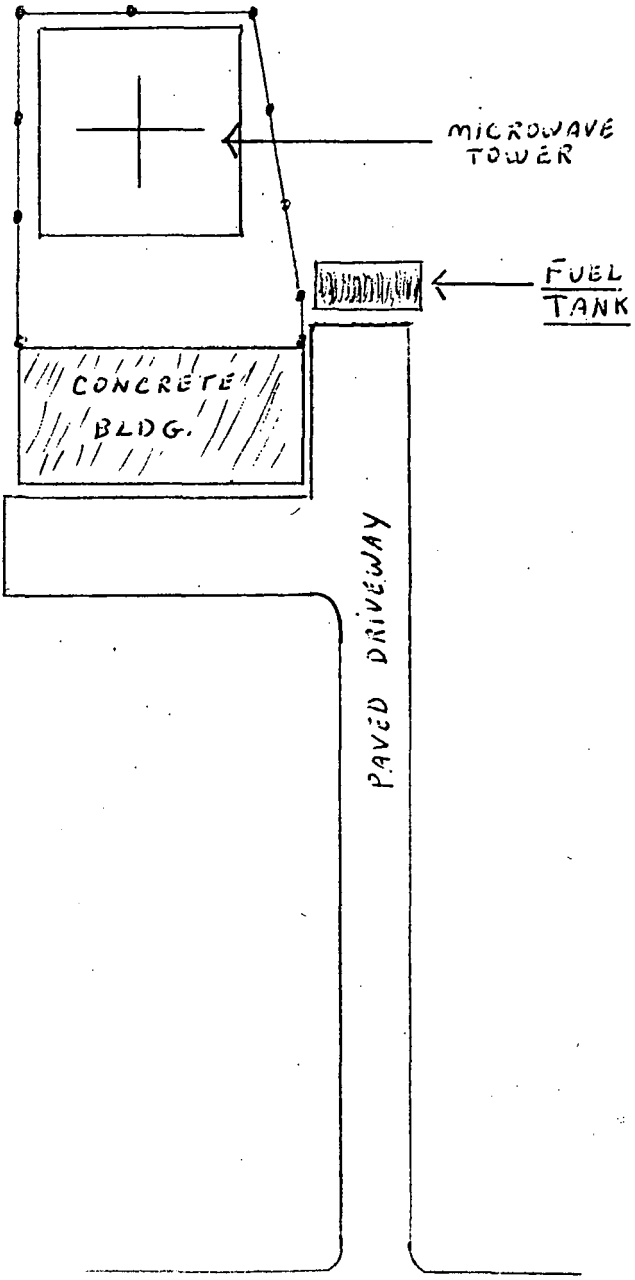
Atten: Mr. John Svec

Dear Mr. Svec:

AT&T Southern Region is upgrading or removing our underground storage tanks in Florida to meet the new Federal and State Environmental Protection Agency (EPA) rules. In accordance with these rules the following locations will have the UST's retired and removed from the ground.

The following is a list of each location. The Florida facility I.D. Number, tank size, and expected construction start date.

Location	Florida State ID	Tank Size	Construction Start Date
Jacksonville	168629514	4,000 gal.	12-18-89
Lake Hamilton	538628505	2,000 gal.	12-18-89
Frost Proof	538628511	2,000 gal.	12-18-89
Sebring	288626673	2,000 gal.	12-18-89
Childs	288626671	2,000 gal.	12-18-89
Palmdale	228626607	4,000 gal.	12-18-89
Moore Haven	268626670	4,000 gal.	12-18-89
Clewiston	268626666	4,000 gal.	12-18-89
Okleelanta	508930679	4,000 gal.	12-18-89
Andytown North	068627904	4,000 gal.	12-18-89
DeLeon Springs	648841685	550 gal.	12-18-89
Longwood	598841770	550 gal.	12-18-89
Pine Castle	488841769	550 gal.	12-18-89
Holopaw	498841772	550 gal.	12-18-89
Melbourne	058945056	550 gal.	12-18-89
Fallsmark	318945088	550 gal.	12-18-89
Fort Pierce	368945089	550 gal.	12-18-89
Lullwater Bch.	038626467	3,000 gal.	12-18-89


MICROWAVE TOWER
FUEL TANK
CONCRETE BLDG.
PAVED DRIVEWAY

Map ID 20 – Glades Electric – Lake Placid Yard
214 SR 70 and 221 SR 70

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

CLOSURE ASSESSMENT REVIEW LETTER

March 12, 1996

RECEIVED
APR 1 0 1996
F.D.E.P. South District

Attn: Tracy Vaughn
Glades Electric Co-op
P.O. Box 1029
Lake Placid FL 33852

Re: Fac ID 28/8732786
Glades Electric Co-op
221 Hwy 70 W.
Lake Placid FL

Dear Mr. Vaughn,

This office has reviewed the Closure Assessment received on February 15, 1996 for the above referenced facility.

The report adequately meets the requirements of the Department's current guidelines for a Pollutant Storage System Closure Assessment. Additionally, the report indicates that contamination levels did not exceed the target levels established in Florida Administrative Code (FAC) Rule 62-770. Therefore, based on the information submitted, this office concludes that no further remediation is necessary at this time.

If this facility is eligible for funding assistance and the owner intends to submit a reimbursement application for a completed program task, such as a contamination assessment with a no further action proposal, the closure assessment must follow the guidelines specified in FAC Rule 62-770.600, for contamination assessments. This review letter should not be considered Department approval of the closure report as a contamination assessment or a "No Further Action" for reimbursement purposes.

If a subsequent discharge of petroleum or petroleum product is discovered at the site, the Department may require site rehabilitation to reduce contaminant concentrations to levels established in FAC 62-770.

If you have any questions or comments, please call Harry Moldenhauer at (813) 763-3419 ex. 262, or write to the letterhead address. Your cooperation is appreciated.

Sincerely,

Harry L. Moldenhauer, R.S.
Environmental Specialist
Storage Tank Program

cc: DEP/S
File

HIGHLANDS/OKEECHOBEE STORAGE TANK PROGRAM
1728 NORTHWEST 9TH AVENUE, OKEECHOBEE, FL 34972
941-763-3419 FAX 941-763-7998 SUN COM. 721-7250
LAWTON CHILES, GOVERNOR

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

FEB 11 1993

CERTIFIED MAIL P 126 770 042
RETURN RECEIPT REQUESTED

NOTICE OF
NONCOMPLIANCE

January 20, 1993

Attn: Mr. Steve Gerstman
Glades Electric Co-op
P.O. Box 519
More Haven FL 33471-0519

SUBJECT: FACILITY # 288732786

Glades Electric Co-op
Hwy 70 W.
Lake Placid FL

Dear Mr. Gerstman,

Based on information gathered during a recent compliance inspection it has been determined that the subject facility may be in violation of state rules.

The following items are alleged to be in noncompliance with Florida Administrative Code (FAC), specifically, 17-761 FAC (effective December 10, 1990) or Chapter 376, Florida Statutes. The number preceding the citation corresponds to an item noted on the inspection form enclosed.

UNDERGROUND STORAGE TANKS

10) Section 17-761.710(1)

Failure to provide required records within 5 working days of notification of inspection. Inventory records and system upgrading records were not provided. No operational information regarding Gilbarco Tank Monitor was available for review. Please mail copies of the following records to this office.

1) Inventory records from 1/01/92 to 1/01/93.
2) Documentation of installation of Gilbarco Tank Monitor, over spill devices and over fill devices.
3) Information regarding Tank Monitor operation and capabilities.

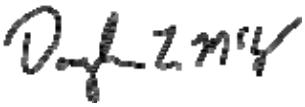
DISTRICT NINE, OKEECHOBEE COUNTY PUBLIC HEALTH UNIT
1728 NORTHWEST 9TH AVENUE • OKEECHOBEE, FLORIDA 34972
813-763-3419 FAX 813-763-5166 Sun Com. 721-7250
LAWTON CHILES, GOVERNOR

Map ID 21 – Smoak & Sons/Smoak Citrus
196 SR 70

Chris Garth

From: McCoy, Douglas L <Douglas.McCoy@flhealth.gov>
Sent: Monday, November 05, 2018 8:59 AM
To: Chris Garth
Subject: RE: Fac ID 8732607 _ Lake Placid Citrus _ Highlands County

I have looked through our old files and see no file for this number. I do have a file for 8732608 Lake Placid Groves-Lake Francis Block on Cloverleaf Rd North of Lake June. If that is the area you are looking for the groves could be close. Sometimes adjacent groves were registered together leading to consecutive reg. numbers. If you have any further info let me know and I will research further.



Douglas L. McCoy, RS
Environmental Specialist II
Florida Department of Health; Okeechobee County
1728 NW 9th Ave
Okeechobee, FL 34972
Ph: (863) 462-5811 Cell: (863) 610-2925

From: Chris Garth [mailto:cgarth@tierraeng.com]
Sent: Friday, November 2, 2018 9:55 AM
To: McCoy, Douglas L <Douglas.McCoy@flhealth.gov>
Subject: FW: Fac ID 8732607 _ Lake Placid Citrus _ Highlands County

Doug,

See request below…this slipped off my radar for a while…now, this project has re-started.

Thanks,

Chris Garth, LEP
Senior Scientist
TIERRA, INC.
T 813.989.1354 | F 813.989.1355 | C 813.766.0269
geotechnical environmental materials engineering

From: Chris Garth
Sent: Tuesday, January 24, 2017 9:34 AM
To: Douglas.McCoy@flhealth.gov
Subject: Fac ID 8732607 _ Lake Placid Citrus _ Highlands County

Doug,

I only see 1 document on OCULUS. I am trying to locate this facility. Do you have any maps/sketches/coordinates to help locate this facility? I can see the location plotted on the FDEP's MapDirect database, but there is no evidence of a facility or tanks there.

Thanks,

Chris Garth, LEP
Senior Scientist
TIERRA, INC.
7351 Temple Terrace Highway | Tampa, Florida 33637
T 813.989.1354 | F 813.989.1355 | C 813.766.0269
cgarth@tierraeng.com | www.tierraeng.com
geotechnical environmental materials engineering

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Map ID 22 – Wedgworth (Former Douglas Fertilizer/The Andersons)
211-213 SR 70

BUREAU OF WASTE CLEANUP

NOV 2 7 2002

TECHNICAL REVIEW SECTION

REASSESSMENT REPORT

DOUGLASS FERTILIZER AND CHEMICAL, INC.
LAKE PLACID, HIGHLANDS COUNTY, FLORIDA
U.S. EPA ID No. FLD070080924

Revision 0

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region 4
61 Forsyth Street
Atlanta, Georgia 30303

Prepared by:

T N & Associates, Inc.
840 Kennesaw Avenue, Suite 7
Marietta, Georgia 30060

Contract No.	:	68-S4-01-01
Task Order No.	:	0007
Date Submitted	:	November 22, 2002
EPA Task Monitor	:	Barbara Dick
Telephone No.	:	404-562-8923
Prepared by	:	PJ Ashford
Telephone No.	:	678-355-5550

CERCLA Eligibility Form

Site Name: Douglass Fertilizer and Chemical, Inc.

City/County/State: Lake Placid, Highlands County, Florida

EPA ID Number: FLD070080924 ✓

Type of Facility: Generator X Transporter ___ Disposal ___
Treatment ___ Storage ___ Landfill ___

	Yes	No
Has this facility treated, stored, or disposed of a RCRA hazardous waste since Nov. 19, 1980?	X	
Has a RCRA Facility Assessment (RFA) been performed on this site?		X
Does the facility have a RCRA operating or post-closure permit? If so, date issued:		X
Did the facility file a RCRA Part A application?		X
If so:		
1) Does the facility currently have interim status?		
2) Did the facility withdraw its interim status?		
3) Is the facility a known or possible protective filer?		
Is the facility a late (after Nov. 19, 1980) or non-filer that has been identified by EPA or the State?		X
Is the site a Federal Facility?		X
Is there at least one source on site, which is not covered by CERCLA Petroleum Exclusion Legislation?	X	
Is the facility owned by an entity that has filed for bankruptcy under Federal or State laws?		X
Has the facility lost authorization to operate or had its interim status revoked?		X
Has the facility been involved in any other RCRA enforcement action?		X

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1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) has tasked the T N & Associates, Inc., (TN&A) Superfund Technical Assessment Team (STAT) to perform site reassessments under Contract Number (No.) 68-S4-01-01. Reassessments are conducted to evaluate a site's current Hazard Ranking System (HRS) status, document what is contained within the site files, update target information, generate a new site score, and summarize all the information in a report submitted to EPA. This Reassessment Report has been prepared in accordance with the scope of work requirements of Task Order No. 0007, for the Douglass Fertilizer and Chemical, Inc. (Douglass) site, EPA Identification (ID) No. FLD070080924, located in Lake Placid, Highlands County, Florida. This Reassessment Report evaluates Douglass based on files provided by EPA and the Florida Department of Environmental Protection (FDEP).

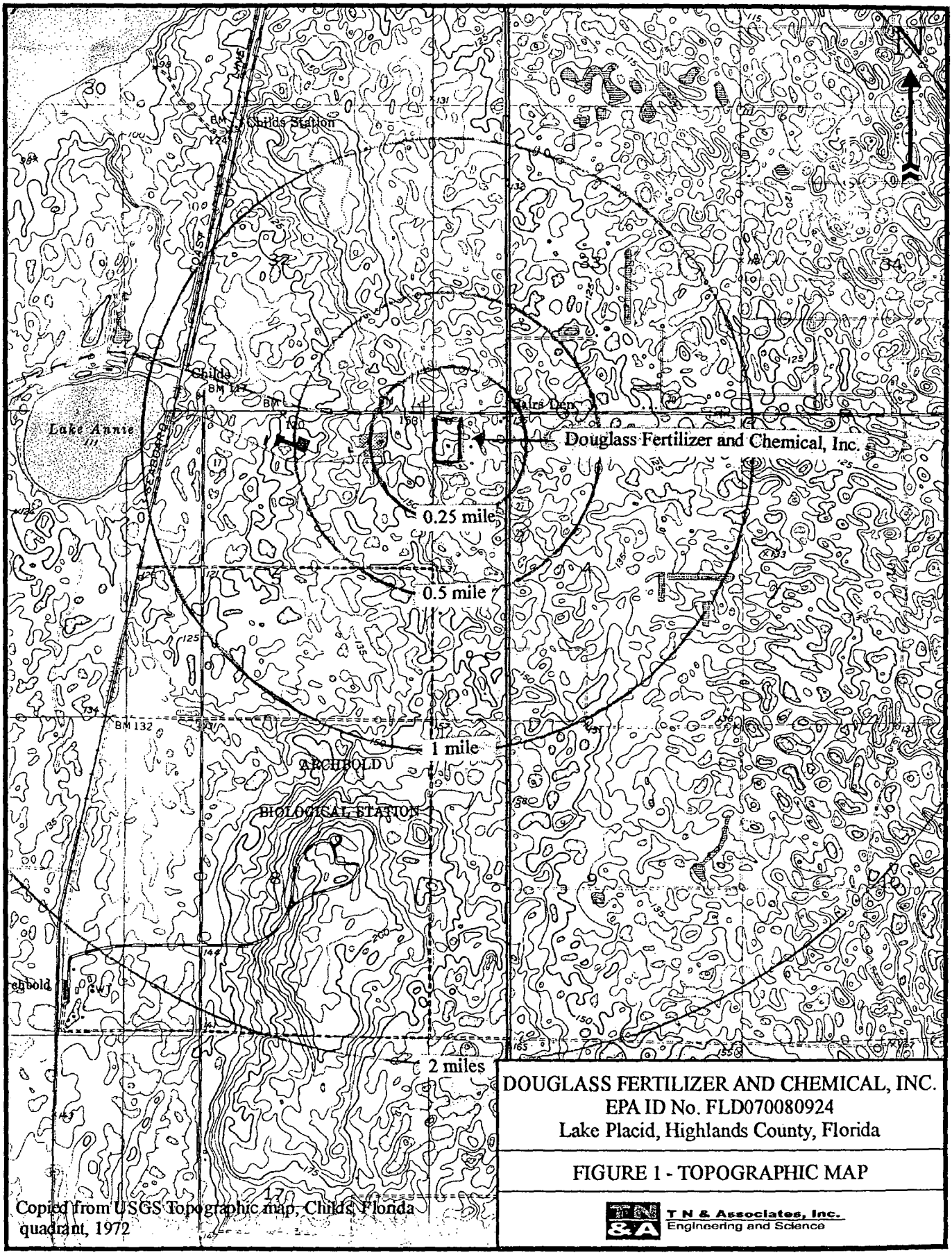
2.0 SITE BACKGROUND

This section describes the site and its present and past operations (including waste disposal practices and regulatory history), the environmental setting and geology, previous investigations, and the source areas located at the facility.

2.1 SITE DESCRIPTION

Douglass is located on approximately 7 acres, south of State Route 70 and west of U.S. Highway 27 in Lake Placid, Highlands County, Florida (see Figure 1) (Refs. 1; 2, p. 3). The geographic coordinates are 27° 12' 20" north latitude and 81° 20' 00" west longitude (Ref. 1). Crop fields border the site on the south. The western side of the site is defined by open scrub timberland. The area around the site is primarily agricultural with commercial businesses along the two main highways (Refs. 1; 2, p. 3).

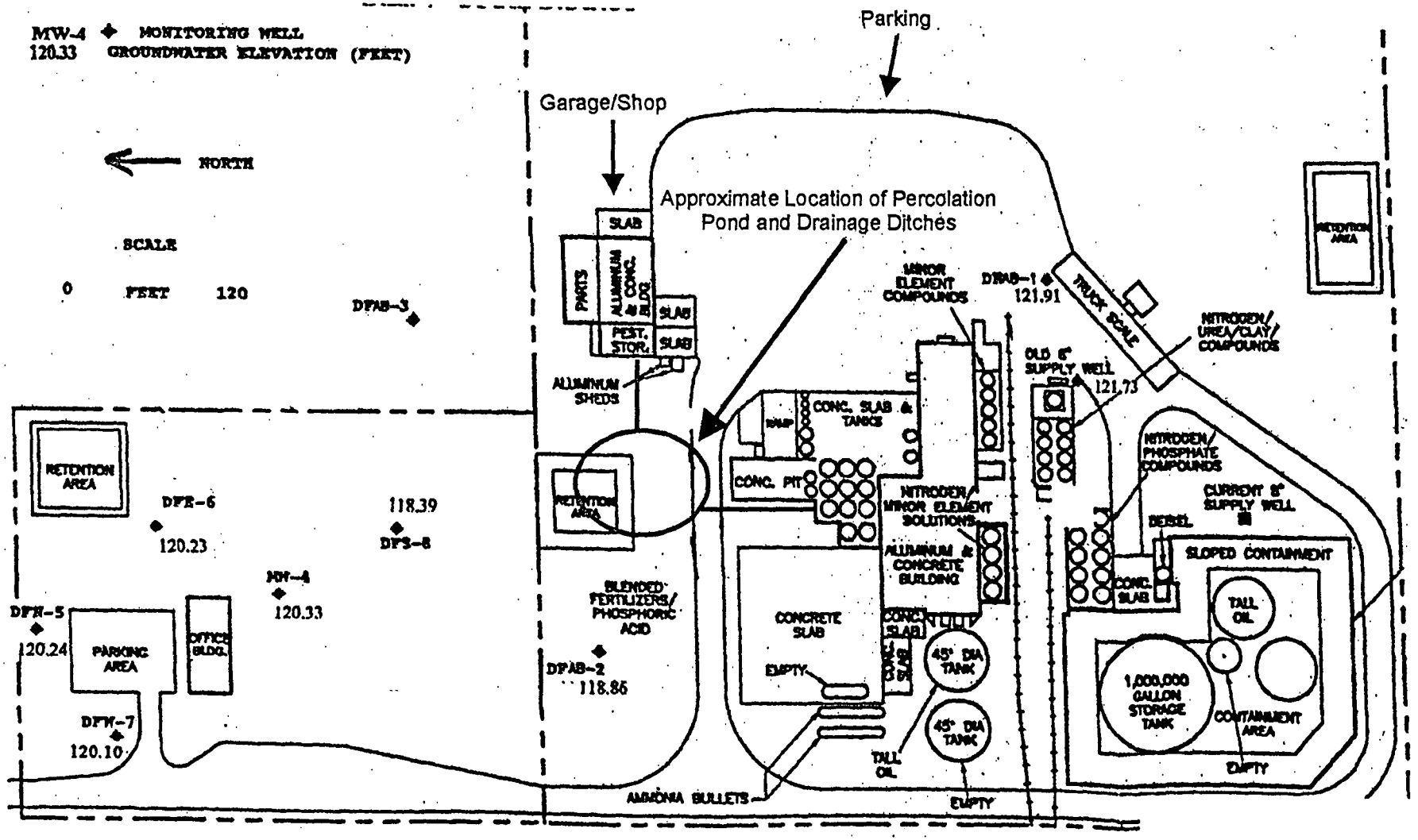
The main process plant is located on the southern side of the site, and concrete slabs and several storage tanks surround it (see Figures 2 and 3) (Ref. 3, p. 3). An office building and entrance drive are located on the northwestern portion of the site. On the eastern edge of the property is a garage/shop with a concrete pad for trucks. A parking area for trucks lies between the garage and plant (Ref. 3, p. 3). A percolation pond used for disposal of rinse waters was located north of the main plant (Refs. 4, p. 6; 5). Although a "soil removal" occurred in January 1990, no documentation exists to support a removal, or the continued existence, of the percolation pond (Ref. 2, p. 3). Open ditches join the truck wash station and garage on the east to the process area to the south. Drainage from the southeast also flows into the pond (Ref. 5).



DOUGLASS FERTILIZER AND CHEMICAL, INC.
EPA ID No. FLD070080924
Lake Placid, Highlands County, Florida

FIGURE 1 - TOPOGRAPHIC MAP

T N & Associates, Inc.
Engineering and Science

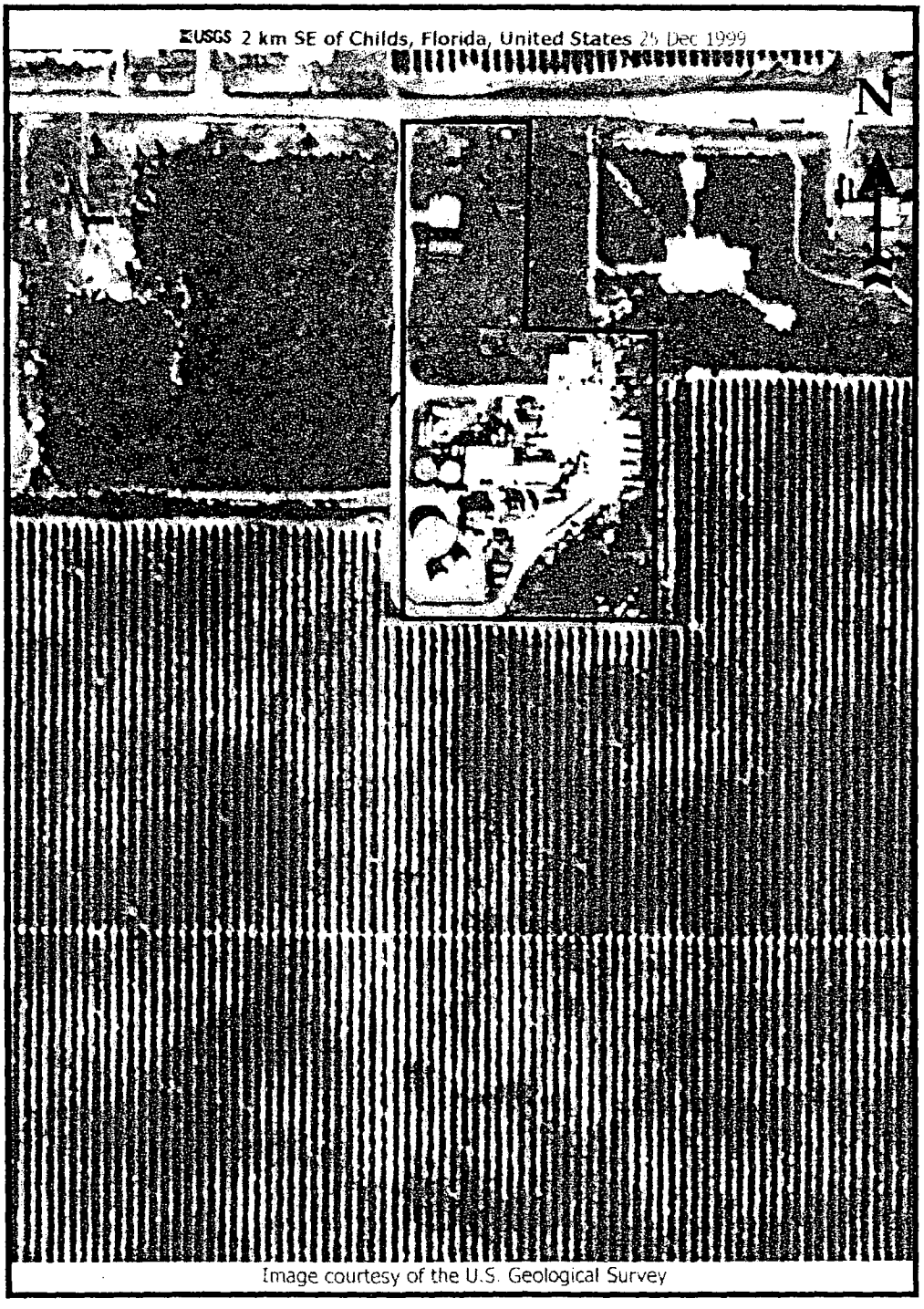


DOUGLASS FERTILIZER AND CHEMICAL, INC.
EPA ID No. FLD070080924
Lake Placid, Highlands County, Florida

FIGURE 2 - SITE DIAGRAM

T N & Associates, Inc.
Engineering and Science

Modified from GEI Consultants, Inc. Annual Monitoring Results, November 1998



DOUGLASS FERTILIZER AND CHEMICAL, INC.
EPA ID No. FLD070080924
Lake Placid, Highlands County, Florida

FIGURE 3 - AERIAL PHOTOGRAPH

T N & Associates, Inc.
Engineering and Science

Copied from Microsoft Terraserver, September 2002

Douglass is an active fertilizer chemicals mixing, blending, and distribution facility (Ref. 6). The company began as "Austin Fertilizer," a small producer of specialized liquid fertilizer. Douglass is owned and operated by Mr. Randy Peacock (Ref. 7).

2.1.1 Site History

An EPA Envirofacts warehouse query searching for "Douglass Fertilizer" revealed six different results (Ref. 8). Presently there are four "Douglass" plants within Florida (Ref. 6). Since there are several "Douglass" plants and more than one is reported to have on-site contamination, confusion about the various sites was evident in the file material. Several documents relating to a different facility were misplaced in the site file for the Highlands County Douglass plant discussed in this RA (Ref. 9). Past reports about Douglass Fertilizer have contained erroneous information. The FDEP officials previously involved in the cases are no longer employed by FDEP (Ref. 9).

At this Douglass facility, liquid, dry-bulk, and dry-bagged chemicals are blended in a mix tank in the center of the facility (Ref. 4, p. 1). The liquid form of the mixed product is pumped directly into tanker trucks for distribution. The only chemical reaction that takes place is in the production of ammonium phosphate from ammonia and phosphoric acid. Although herbicides and pesticides are not used in any batch process, they are stored in 55-gallon drums on the premises and then mixed with fertilizers at the customers' properties. The following chemicals are used on site in the fertilizer process (Ref. 4, p. 4):

Urea ammonium nitrate solution
Ammonium nitrate solution
Aqueous ammonia
Ammonium thiosulfate
Ammonium phosphate
Potassium chloride
Potassium sulfate
Potassium nitrate
Phosphoric acid
Clay
Copper sulfate
Copper oxide
Manganese sulfate
Magnesium nitrate
Magnesium oxide
Zinc sulfate
Zinc oxide
Iron sulfate
Borate

The facility generates wastewater from rinsing the mixing tanks and the tanker trucks in the load-out area. Historically, process wastewater and site storm water runoff drained into the unlined percolation pond (Refs. 4, p. 2; 5). The four waste streams entering the pond were (1) wastewater from tanker truck washing operations, (2) wastewater from mixing tank washing operations, (3) runoff from the drum storage site, and (4) oil and grease draining from the garage (Refs. 5, 10). The Florida Department of

Environmental Regulation (FDER) discovered the pond in 1983 (Ref. 5). FDER officials described the pond as approximately 8 feet deep and filled with sludge composed mainly of attapulgite clay (Ref. 11). Sampling of the pond identified ammonia, nitrate, chloride, sulfate, and "extremely large concentrations of various metals" (detailed in Section 2.3) (Ref. 12).

2.1.2 Regulatory History

Very little regulatory information was available in the site file. The EPA Envirofacts warehouse listed the facility as a Resource Conservation and Recovery Act (RCRA) small-quantity generator (Ref. 8).

On March 29, 1983, FDER sent a warning letter to Douglass's parent company requesting a cleanup and clarification of the waste disposal mechanisms there (Refs. 5; 11, p. 1). No reply was available in the site file; however, a June 8, 1983, FDER inspection indicated "that a substantial cleanup effort had been made" (Ref. 11, pp. 1, 2). The specifics of the cleanup were not detailed in the inspection report.

In 1985, FDER required Douglass to develop a groundwater-monitoring plan due to the threats posed by the on-site percolation pond. Douglass submitted the *Proposed Groundwater Monitoring Plan* to FDER on May 6, 1985, and began quarterly sampling (detailed in Section 2.3) (Ref. 4).

On June 14, 1993, FDEP issued a hazardous waste violation to Douglass for disposing grit blast material in the roll-off container and the 55-gallon drums on site. Blast material consisted of paint chips and debris from sandblasting activities (Ref. 13). While blasting, the debris settled on the ground below the tank (Ref. 14, p. 2). The debris was identified as a hazardous waste, and FDEP mandated that the facility clean up the affected soil surrounding the sandblasting area (Refs. 13, 15).

It is assumed that a Consent Order (CO) was filed between FDEP and Douglass that required quarterly sampling for nitrates after 1993. Quarterly sampling reports reference the Office of General Counsel (OGC) Case No. 92-1233; however, no such CO was located in the site file (Refs. 3, 16, 17).

2.2 ENVIRONMENTAL SETTING AND GEOLOGY

The climate in Highlands County is characterized by long, warm, humid summers and mild, dry winters. The average winter temperature is 64°F with average lows near 49°F. The lowest recorded temperature was 13°F occurring in 1982. During the summer months, the average temperature is 81°F with an average daily maximum of 91°F (Ref. 18). The average annual rainfall for the area is 49.9 inches, with the

heaviest rainfalls occurring from June through September (Ref. 18). The mean annual lake evaporation in this area is 48 inches, yielding an annual net precipitation of 1.9 inches (Ref. 19). The 2-year, 24-hour rainfall event for the area is approximately 5 inches (Ref. 20).

Highlands County is located on the Florida Platform of the Gulf Coastal Plain physiographic province (Refs. 21, p. 5). Highlands County is divided into four physiographic subdivisions: the Okeechobee Plain, Desoto Plain, Caloosahatchee Incline, and the Lake Wales Ridge (Ref. 21, p. 27). Highlands County's land surface is relatively hilly and has moderate relief. The highest elevations in the vicinity of Douglass occur just south of the site and range from 150–200 feet above mean sea level (Ref. 1).

Two aquifers occur in Highlands County: the surficial and Upper Floridan. The surficial aquifer occurs approximately 0–20 feet below land surface and ranges in thickness from 1–200 feet (Ref. 22, p. 14). This aquifer furnishes local domestic and stock supplies throughout the county. The aquifer consists of the Tamiami formation and undifferentiated deposits of the Pleistocene era. The undifferentiated deposits composing the upper part of the aquifer are made up of gray-orange to white, medium to coarse quartz sand in high areas, and fine to medium, clayey, calcareous, quartz sand in low areas of the county. The Tamiami formation is dark blue to white, clayey, sandy, shell marl (quartz sand and sandy clay) (Ref. 22, p. 14).

The Hawthorn formation comprises the Intermediate confining layer between the surficial and Upper Floridan aquifers. In several lakes in the region, this layer is not present and a direct connection between the surficial aquifer/lake water and the Floridan aquifer allows for the recharge of the aquifer. The local topography of the Lake Wales Ridge provides for the artesian characteristic of the Floridan aquifer in this region (Ref. 23, p. 4). The Hawthorn formation consists of dark green to white, montmorillonitic clay, white to cream, dense, sandy, phosphatic limestone, fine to pebble size, quartz sand, and phosphorite (white to red, kaolinitic sand). Four limestone formations are present between the Hawthorn formation and the next important water-bearing unit including the Suwanee and Ocala limestone, the Moodys Branch formation, and Avon Park limestone. All of these layers are permeable, but they are not important sources of large water supplies in the county. The Lake City limestone is a very important source of large water supplies there, however, the formation contains brown, hard, crystalline dolomite; cream-colored, permeable limestone; and dolomitic limestone (Ref. 22, p. 14).

Most lakes in the area north of Douglass do not have outflowing streams and are heavily influenced by groundwater conditions. They provide recharge for the Floridan aquifer through windows in the

Hawthorn formation (areas where the layer is not present). The lowering of lake levels during periods of heavy aquifer pumping for irrigation demonstrates the relationship between groundwater and the lakes. Since no major streams run into or out of the lakes, most rainwater percolates directly into the ground (Ref. 23, p. 4). The site evaluation was based on karst terrain because of the absence of an outflowing stream in the area and a direct connection between the lakes in the area and the Floridan aquifer (Ref. 23, p. 4). The Kissimmee River and Fisheating Creek are the only two major flowing surface water bodies in the region. Fisheating Creek lies to the west of Lake Wales Ridge, while the Kissimmee River is located east of Lake Istokpoga. Both of the rivers flow to Lake Okeechobee.

2.3 PREVIOUS RELEASES AND INVESTIGATIONS

In early March 1983, FDER was notified of the possibility that Douglass was violating state laws (Ref. 5, p. 1). An FDER inspection of the facility followed on March 22, 1983. Inspectors documented two major concerns at the facility:

1. An "unacceptable storage method" for barrels containing herbicides (2,4-D and 2,4,5-T) (Ref. 5). Facility personnel noted that drums were "haphazardly strewn on open ground at one corner of the facility" (Ref. 5). FDER officials observed evidence of small spills around some of the drums, many of which were empty and deteriorating. Due to the dangerous characteristics of the chemicals in question, the area may have classified as an uncontrolled hazardous waste site subject to state and federal laws.

2. A pond used to collect storm water runoff and tank rinsate. A small ditch allowing oil and grease to drain from the garage to the pond was also noted. FDER requested that the facility cease any practices that could bring it out of compliance, label and characterize all drums, and install a monitoring well (Ref. 5, p. 2).

A second inspection on June 8, 1983, revealed that the facility had cleaned up the drum storage area (Ref. 11). The inspection report stated that although fertilizer chemicals were mixed on site, herbicides were mixed in the field only. The empty and deteriorating barrels discovered in the previous inspection reportedly contained only diesel fuel. The facility claimed that spills of diesel, not herbicides, were on the ground in the vicinity of the barrels. Vegetation was dead or absent in the area surrounding the drums. An area of approximately 200 square feet was affected. The inspectors recommended that groundwater

monitoring determine the extent of contamination from the pond, but that the facility was not out of compliance with respect to the barrels (Ref. 11).

On March 7–8, 1984, FDER Biology Section performed bioassays measuring the toxicity of sediment and surface water from the on-site percolation pond using four aquatic test species (Ref. 12). They were placed in water containing specific amounts of sediment or water from the pond. All four species died at every concentration tested. The study concluded that the extreme toxicity of these samples was likely due to the combined presence of "extremely large concentrations of metals," "substantial concentration of total ammonia," and "the substantial ionic content" in the pond water (Ref. 12, p. 16).

Analysis of the pond water and sediment identified significant concentrations of metals including arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc. Table 1 presents the analytical results of the pond water and sediment. Pond water results were compared to EPA Region 4 Freshwater Surface Water Screening Values (SWSVs). Sediment sample results were compared to EPA Region 4 Waste Management Division Sediment Screening Values (SSVs). All metals except arsenic were above SWSVs in the surface water sample. Cadmium, chromium, copper, lead, and zinc were above SSVs in the sediment sample (Ref. 12, pp. 10, 14, 16).

TABLE 1
March 1984 Analytical Data for Percolation Pond

Analyte	Surface Water µg/L	SWSV	Sediment mg/kg	SSV
Ammonia (as N)	290,000	—	NA	—
Arsenic	132	190	3.3	7.24
Cadmium	72	0.66	69	1
Chromium	1,206	11[a] / 117[b]	120	52.3
Copper	24,300	6.54	3,491	18.7
Lead	91	1.32	83	30.2
Mercury	0.26	0.012	<0.04	0.13
Nickel	493	87.71	90	15.9
Silver	0.7	0.012	0.14	2
Zinc	31,370	58.91	3,163	124

Notes: Shaded cells indicate concentrations above guidance values.

µg/L	Micrograms per liter
SWSV	EPA Region 4 Freshwater Surface Water Screening Values
mg/kg	Milligrams per kilogram
SSV	EPA Region 4 Waste Management Division Sediment Screening Value
N	Nitrogen
—	No value determined
NA	Not analyzed
a	Value for Chromium VI
b	Value for Chromium III

On August 28, 1984, EPA performed a RCRA sampling investigation at Douglass. The investigation was conducted to determine if waste stored or disposed of at the facility or contaminated soil associated with the refuse areas was regulated under RCRA (Ref. 24, p. 3). The investigators collected three grab samples from the sediment in the percolation pond and one soil sample composited from nine locations at the drum and pallet storage area (Ref. 24, p. 6). Sampling results are presented in Table 2.

TABLE 2
August 1984 Analytical Data for Sediment and Soil

Analyte mg/kg	Pond Sediment			Guidance	Storage Area Soil	Guidance
	DF-001	DF-002	DF-003	SSV	DF-004	PRG
Arsenic	--	--	--	7.24	--	440
Barium	66	92	110	—	30	100,000
Cadmium	75	28	22	1	--	810
Chromium	150	140	150	52.3	42	450
Copper	2,100	2,900	3,300	18.7	7,500	7,600
Molybdenum	6.8	--	6.8	—	--	10,000
Nickel	41	34	37	15.9	1,500	41,000
Lead	38	69	94	30.2	36	750
Strontium	86	120	200	—	54	100,000
Titanium	520	640	680	—	23	—
Vanadium	59	58	89	—	35	14,000
Yttrium	36	45	40	—	1.2	—
Zinc	2,300	2,200	4,000	124	1,100	100,000
Aluminum	9,900	13,000	20,000	—	940	100,000
Manganese	4,800	4,600	7,300	—	1,600	32,000
Calcium	11,000	18,000	28,000	—	21,000	—
Iron	23,000	19,000	24,000	—	3,100	100,000
Sodium	3,200	2,900	3,600	—	--	—
Gamma-chlordane	NA	NA	2N	—	2.5	11
2,4-D	0.3J	--	0.06J	—	2,000J	12,000
2,4-Dichlorophenol	--	--	--	—	27	2,600
Tetrachloroethene	--	--	--	—	9.9	19
Toluene	--	--	--	—	6J	520
Ethylbenzene	--	--	--	—	27	230
M-xylene	--	--	--	—	86	210*
O&P-xylene	--	--	--	—	100	210*

Notes: Shaded cells indicate concentrations above guidance values
- mg/kg Milligrams per kilogram
- DF Douglass Fertilizer monitoring well
- SSV EPA Region 4 Waste Management Division Sediment Screening Value
- PRG EPA Region 9 Preliminary Remediation Goals for industrial soil
- — No value assigned
- -- Non-detect
- NA Not analyzed
- N Presumptive evidence of presence of material
- J Estimated value for data
- * Value present is for total xylenes. The total amount of xylenes is less than this value.

The pond sediment samples identified several metals and some pesticides. Cadmium, chromium, copper, nickel, lead, and zinc were all above their respective SSV guidance values. The soil sample detected metals, pesticides, and some organic compounds. No compounds were elevated in the soil sample when compared to EPA Region 9 Preliminary Remediation Goals (PRGs) for industrial soil. The results demonstrated that the waste streams flowing into the percolation pond had an adverse effect on pond sediments. The soil in the drum storage area was not significantly affected by storing the drums on open ground. Only a small amount of benzene, toluene, ethylbenzene, and xylenes (common constituents of petroleum products including diesel) were identified. The herbicide, 2,4-D, was detected in the soil; however, levels were below guidance values. The investigators noted that the soil sample was "biased by collecting several spoonfuls of obviously contaminated soil near the bung hole of an overturned drum" (Ref. 24, p. 4).

On May 6, 1985, after contamination had been confirmed on site, Cross/Tessitore & Associates (Cross) submitted a *Proposed Groundwater Monitoring Plan* (Ref. 4). The plan provided a source description with chemical analysis, a site description, hydrogeologic information, and well specifics. The plan also discussed sampling protocols that would be adhered to, but failed to provide any schedule or interval of sampling.

The monitoring plan cited two samples collected by FDER personnel; a surface water sample from the drainage pond, and a groundwater sample from the on-site monitoring well. Sampling results are presented in Table 3 (Ref. 4, p. 9). SWSVs are provided for comparison to the surface water sample collected from the drainage pond. EPA National Primary Drinking Water Standards Maximum Contaminant Levels (MCLs) are provided for comparison to the groundwater sample at AB-1. Although many contaminants were not assigned particular guidance values, contaminants including chloride, cadmium, zinc, copper, iron, lead, nickel, and chromium were above their corresponding guidance level. Lead was the only contaminant detected above its guidance value in the groundwater sample.

The monitoring plan stated that engineering studies were being considered to evaluate the economic and environmental effects of collecting of all rinse waters in a storage tank and "using the collected wastewater in the chemical mixing process" (Ref. 4, p. 52). The plan concluded by stating that when engineering details of the collected wastewater approach was available, these details would be provided to FDER. No further conclusions or recommendations were provided (Ref. 4, p. 52).

TABLE 3
October 1984 Analytical Data for the Pond Water and Groundwater

Analyte mg/L	Surface Water	Guidance	Groundwater	Guidance
	Drainage Pond	SWSV	AB-1	MCL
Nitrate	33.1	—	2.46	10
Sulfate	867	—	334	—
Chloride	5,500	230	45	—
Ammonia	662	—	8.3	—
Cadmium	0.107	0.00066	0.003	0.005
Zinc	17.1	0.05891	0.120	1.1*
Manganese	6.43	—	0.127	0.88*
Copper	23.8	0.00654	0.006	1.3
Iron	75.2	1.0	0.121	11*
Lead	0.787	0.00132	0.037	0.015
Nickel	0.796	0.08771	0.010	0.73*
Chromium	1.87[a]	0.11732[b]/0.011[c]	0.007[a]	0.1

Notes: Shaded cells indicate concentrations above guidance values
- mg/L Milligrams per liter
- AB-1 On-site monitoring well
- SWSV Region 4 Freshwater Surface Water Screening Values
- MCL EPA National Primary Drinking Water Standards Maximum Contaminant Level
- — No value assigned
- a Although report identifies these concentrations in micrograms per liter, it is assumed that all compounds were actually recorded in milligrams per liter. Analytical data sheets for confirmation were not provided.
- b Value given for Chromium III
- c Value given for Chromium VI
- * EPA Region 9 Preliminary Remediation Goals for tap water

On October 20, 1985, E.C. Jordan Company (ECJ) generated a Preliminary Assessment (PA) report for Douglass. The report provided a site description and briefly mentioned the earlier sample results (discussed earlier). The PA concluded that:

> "The possibility of contamination of on-site groundwater and the possible degradation of drinking water justifies (sic) that this site be investigated further. However, since a groundwater monitoring plan for Douglass Fertilizer was proposed and past investigative work has determined that a contamination problem exists, it is recommended that this site be given a low priority for inspection" (Ref. 10).

Sporadic groundwater-monitoring results from 1986–1989 were identified in the file for Douglass; however, not all analytical data sheets were present (Refs. 25, 26, 27, 28). Although FDER required quarterly monitoring during this period, not all monitoring events were represented on the data sheets found. The well monitoring locations are illustrated in Figure 2 and results are presented in Table 4. Sample identifiers are prefixed with a DF (i.e. AB-1 is labeled DFAB-1). The maximum concentration of each contaminant in a year is presented in the table. Contaminants were compared to MCLs and/or PRGs. Except for nitrates, no compounds were identified above guidance values. After 1989, no further sampling data were available in the site file.

TABLE 4
1986–1989 Groundwater Analytical Data

Analytes	1986			1987			1988			1989		Guidance	
mg/L	AB-1	AB-2	AB-3	AB-1	AB-2	AB-3	AB-1	AB-2	AB-3	AB-2	AB-3	MCL	PRG
Nitrate	14.8	38	36.7	10	70	34	11	48	93	38	34	10	10
Chloride	31	29	97	30	37	87	29	61	71	69	69	—	—
Sulfate	49	120	33	12	165	58	25	194	83	120	58	—	—
Ammonia	4	18	7.4	0.98	20	14	--	4	2.8	1.2	0.69	—	—
Iron	NA	0.57	0.42	0.93	0.52	0.56	0.25	0.49	0.25	0.09	0.28	—	11
Lead	Unk	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.015	—
Manganese	NA	0.7	0.1	0.06	0.74	0.049	0.19	0.85	0.017	0.45	0.027	—	0.88
2,4-D	0.0002	--	0.024	NA	NA	NA	--	--	--	--	--	0.07	0.36
2,4,5-T	--	--	0.004	NA	NA	NA	--	--	--	--	--	0.05	0.36

Notes: Shaded cells indicate concentrations above guidance values.

mg/L Milligrams per liter
AB On-site monitoring well
-- Non-detect
NA Compound not analyzed for
Unk Unknown if analyzed for; results not identified in the file material
— No standard exists for the compound
MCL EPA National Primary Drinking Water Standard Maximum Contaminant Level
PRG EPA Region 9 Preliminary Remediation Goal for tap water

On October 17, 1989, FDER submitted a PA reassessment for Douglass (Ref. 29). The report recapped previous investigations and site events. A medium priority for a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) site investigation was recommended because of the close proximity of private and community drinking water wells and the large volume of waste deposited in the pond (Ref. 29, p. 3).

In July 1990, Jacobs Engineering Group, Inc. performed a Site Screening Inspection (SSI) at Douglass (Ref. 2). When the file review was performed, documents pertaining to other Douglass facilities were mistakenly included in the site file. The report states that operations at the facility ceased in 1987 when Moonshine Bay Fishing Resort acquired the property (Ref. 2, p. 2). It also reports that a removal occurred in 1990 (Ref. 2, p. 3). This information does not pertain to the Douglass facility in Lake Placid (Highlands County) under review in this RA. The report cites the groundwater pathway as the major concern because of the presence of drinking water wells in the area (Ref. 2, p. 15). The surface water pathway was not considered a concern because "water from the site can only leave the site by percolation into the surficial aquifer or overflow of the percolation pond... overflow from the site would be absorbed before reaching any surface water body" (Ref. 2, p. 13). The report recommended further investigation to identify the extent of soil contamination, the amount of surficial aquifer contamination, and the degree of migration of contaminants into Lake Annie (Ref. 2, p. 15).

In September 1997, GEI Consultants, Inc. (GEI) submitted semi-annual groundwater monitoring results for Douglass (Ref. 30). By this time, only nitrate analysis was occurring at Douglass. GEI recommended that the semi-annual sampling events become annual.. Table 5 provides a cumulative summary of nitrate concentrations reported from 1994–1997. Only the maximum concentration detected on site in each year is presented. Each sampling event detected nitrates at levels above guidance values (Refs. 3, 16, 17, 30). Guidance values are provided for comparison. No further results were identified in the site file and attempts to acquire more recent file information from FDEP were unsuccessful (Ref. 9).

TABLE 5
1994–1997 Groundwater Analytical Data

Analyte	Years					Guidance
mg/L	1994	1995	1996	1997	1998	MCL
Nitrate	377.4	169	141	140	150	10

Notes: Shaded cells indicate concentrations above guidance values
mg/L Milligrams per liter
MCL National Primary Drinking Water Standards Maximum Contaminant Level

2.4 SOURCE AREAS

The source of contamination at Douglass was the rinsate wastes disposed of in the percolation pond. Rinse water was routed from several areas and included rinsate from mixing tanks and tanker trucks, as well as runoff from a garage and drum storage area (Refs. 4, p. 2; 5). No documentation in the site file noted when the facility began and stopped using the pond. FDEP personnel claim that the percolation pond was removed; however, no documentation of this event exists in the file (Ref. 9). The facility disposed of approximately 1.68 million gallons of wastewater to the pond per year (Ref. 4, p. 2). The amount of time the pond was used was conservatively estimated at 5 years. Producing 1.68 million gallons of wastewater per year for 5 years yields a total of 8.4 million gallons released into the pond.

Sampling investigations detected "highly toxic" concentrations of barium, cadmium, copper, chromium, nickel, lead, zinc, and ammonia throughout early investigations in the sediment, and surface water of the percolation pond (Refs. 4, 24). A 1984 groundwater sample identified concentrations of eight metals in monitoring well AB-1, with lead identified above its MCL guidance value (see Table 3). Subsequent analysis for metals in groundwater was not identified in the site file. Given the high concentrations of metals in other media on site and the absence of sampling documentation in regards to metals in groundwater, the above metals and ammonia were considered potential contaminants to groundwater.

Subsequent groundwater sampling in the 1990s analyzed for nitrates only and continued to identify them above guidance values (see Table 5) (Ref. 30). Current groundwater monitoring for nitrates is required under an agreement between FDEP and Douglass.

3.0 PATHWAYS

This section discusses all pathways and details the targets associated with the groundwater migration pathway evaluated. The soil exposure, surface water migration, and air pathways are briefly discussed below, but they were not evaluated.

3.1 GROUNDWATER MIGRATION PATHWAY

The groundwater migration pathway is of primary concern at Douglass. A single groundwater sample from well AB-1 in 1984 identified lead above guidance values (Ref. 4). Well AB-1 was not analyzed for

lead since. Because lead was not demonstrated to be below guidance values in sample AB-1, this reassessment evaluation considers it as an observed release to groundwater. Consideration of lead in groundwater represents the worst possible case for the site. Nitrates have also been detected in groundwater samples throughout the 1990s. Several nutrients and metals including barium, cadmium, copper, chromium, nickel, lead, zinc, and ammonia were detected in the percolation pond during previous sampling investigations (Ref. 30). All of these contaminants have the potential to migrate to groundwater if the percolation pond was not removed, or may have gone unidentified in groundwater due to the limited sampling for metals.

Groundwater targets are limited within a 4-mile radius of Douglass because of the region's small population (Ref. 31). An attempt was made to verify a public drinking water well near the site that was mentioned in site file materials; however, no specific wells were identified (Ref. 29, p. 2). Two privately owned community wells are located north of the site. One well in Lakeside Village Mobile Home Park serves 480 people, and one well in Deeann Lakefront Estatesserves 140 (Ref. 32). No municipal water systems exist within 4 miles of Douglass. The two community wells tap the Floridan aquifer at a depth of 800 feet. Table 6 presents the groundwater receptors within 4 miles of Douglass.

TABLE 6
Potential Groundwater Receptors

Distance / Radial Ring	Private Wells	Number of Active Wells per Ring	Population per Well	Total Population Served per Radial Ring
0–0.25 Mile	--	0	0	0
0.25–0.5 Mile	--	0	0	0
0.5–1 Mile	--	0	0	0
1–2 Miles	--	0	0	0
2–3 Miles	Deeann Lakefront Estates	1	140	140
3–4 Miles	Lakeside Village Mobile Home Park	1	480	480

Notes: -- No water systems in this distance

3.2 SURFACE WATER PATHWAY

The surface water pathway is of minimal concern at Douglass. The closest surface water bodies are Lake Annie, 0.9 miles west, and Lake Placid, 1.8 miles northwest of the site (Ref. 1). The surface soils in the region are mainly sandy, and no storm water runoff routes were identified. Since no overland route could

be established, neither a 15-mile Target Distance Limit nor a Probable Point of Entry could be established.

3.3 SOIL EXPOSURE PATHWAY

The soil exposure pathway is of minimal concern at Douglass. The percolation pond and any associated contaminated soil on site were reportedly removed (Ref. 9). No documentation of this event is present in the site file; however, a review of the aerial photograph for the site shows no pond of any kind (see Figure 3). The area where the pond was historically located is now a road and a retention area.

Soil samples from 1984 did not identify any elevated compounds compared to industrial soil PRGs (Ref. 24). Sediment samples collected from the percolation pond identified compounds above SSVs; however, the percolation pond and surrounding soil were reportedly removed. The soil exposure pathway also has a very limited amount of targets because of the low number of residents in the area of the site. According to the U.S. Census Bureau Landview ™ software no people live within 2 miles of the site, and only 23 people live within 4 miles (Ref. 31). A review of the topographic map suggests more residents are located within the 2–4 mile range (to the north) than was reported by Landview™.

3.4 AIR PATHWAY

The air pathway is of minimal concern at Douglass and was not evaluated. No air samples have been collected, and no evidence exists to suggest any type of threat.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Douglass was used to mix and blend fertilizer chemicals. Mixing tanks and tanker trucks were washed out and allowed to drain into an on-site percolation pond. Storm water runoff and wastewater from a garage also drained into the pond. The percolation pond and surrounding contaminated soils were reportedly excavated from site; however, no documentation in the site file supports this.

Groundwater monitoring in 1986–1989 identified nitrates above guidance values. Sampling data from 1994–1997 also reported nitrates above MCLs. However, nitrates do not have an associated toxicity under HRS; therefore, the site does not appear to pose a significant threat. The site was evaluated based on the observed release of lead to groundwater and the waste stream contamination source. This

represents the worst possible case for the site. A small population resides within 4 miles of the site, and the target population for groundwater is small.

Based on a review of the file material and limited target populations, the site does not generate an appreciable HRS score. Although the absence of metals analysis in groundwater represents a data gap, evaluation of the site under a worst-case scenario still failed to generate a site score above the cut-off point for listing the site to the National Priorities List. Based on the available information, no further federal action is recommended at this time.

REFERENCES

1. U.S. Geological Survey (USGS). 7.5-minute Series Topographic Quadrangle Maps of Florida: Venus, NW, 1972; Childs, 1972; Lake June, Winter 1972; and Lake Placid, 1972.

2. Jacobs Engineering Group, Inc. Screening Site Inspection of Douglass. July 1990.

3. GEI Consultants, Inc. Douglass Fertilizer-Lake Placid Facility, OGC Case No. 92-1233, Annual Monitoring Results, November 1998. January 5, 1999.

4. Cross/Tessitore & Associates, P.A. (Cross). *Proposed Groundwater Monitoring Plan for Douglass Fertilizer and Chemical, Inc. Lake Placid, Florida.* May 6, 1985.

5. Florida Department of Environmental Regulation (FDER). Letter from Stuart N. Bradow, Environmental Specialist to Spencer Douglass, President of Douglass. Subject: Hazardous waste compliance inspection. March 29, 1983.

6. Douglass Fertilizer and Chemical, Inc. (Douglass). Company website-active status of site. Internet address: www.dfcinc.net. Accessed September 26, 2002.

7. Highlands County Central Florida Search Engine. Ownership information for Douglass. Internet address: http://www.centralfloridasearch.com. Accessed October 31, 2002.

8. U.S. Environmental Protection Agency (EPA). Envirofacts Warehouse – Multiple Query Results. Internet address: http://oaspub.epa.gov/enviro/fii_master.fii_retrieve. Accessed September 26, 2002.

9. T N & Associates, Inc (TN&A). Record of telephone conversation between PJ Ashford, Environmental Scientist, and Rick Orth, Geologist, FDER, concerning the history of Douglass. September 14, 2002.

10. E.C. Jordan. Preliminary Assessment of Douglass. October 20, 1985.

11. FDER. Hazardous Waste Compliance Report. June 21, 1983.

12. FDER. *Bioassays of percolation pond water; elutriate bioassays of sediment.* June 4, 1984.

13. Akerman, Senterfitt & Eidson, P.A. Letter from Robyn Deen Neely, to Phil Barbaccia, FDER. Subject: Hazardous waste violation at Douglass. June 21, 1993.

14. Akerman, Senterfitt & Eidson, P.A. Letter from William L. Pence, to Cheryl Marx, FDER South District. Subject: Highlands County HW, Douglass Fertilizer and Chemical, Inc.

15. FDER. Chemical analysis report. April 26, 1993.

16. Environmental Consulting and Technology, Inc. Douglass, OGC Case No. 92-1233, Quarterly Status Report, December 1994. February 10, 1995.

17. Envirow Science & Technology, Inc. Douglass, OGC Case No. 92-1233, Semi-annual Monitoring Results, September 1996. October 11, 1996.

REFERENCES (continued)

18. The Weather Channel. Monthly averages for Lake Placid, FL. Internet address: http://www.weather.com/weather/climatology/monthly/USFL0264. Accessed September 20, 2002.

19. U.S. Department of Commerce (USDC). *Climatic Atlas of the United States.* National Oceanic and Atmospheric Administration. Washington, DC. June 1968.

20. USDC. *Rainfall Frequency Atlas of the United States.* Washington, DC. 1961.

21. Florida Geological Survey (FGS). *Florida's Ground Water Quality Monitoring Program-Hydrogeological Framework.* Special Publication No. 32. June 1991.

22. FGS. Geology and Groundwater Resources of Highlands County, Florida. 1956.

23. USGS. Estimating Groundwater Exchange with Lakes Using Water-Budget and Chemical Mass-balance Approaches for Ten Lakes in Ridge Areas of Polk and Highlands Counties, Florida. 1998.

24. EPA. Report for Sampling Investigation Douglass, ESD Project #84-297. July 2, 1985.

25. Cross. Groundwater monitoring well sampling results. April 15, 1986.

26. Thornton Laboratories, Inc. Groundwater sampling results. April 4, 1987.

27. FDER. Quarterly report on groundwater monitoring. October 11, 1988.

28. FDER. Quarterly report on groundwater monitoring. April 10, 1989.

29. FDER. Preliminary Assessment Reassessment. October 17, 1989.

30. GEI Consultants, Inc. Douglass, OGC Case No. 92-1233, Semi-annual Monitoring Results, September 1997. October 23, 1997.

31. U.S. Census Bureau. LandView IV™. Digital Versatile Disk databases using 1990 population information.

32. TN&A. Project notes. Subject: Private wells in the vicinity of Douglass. September 26, 2002.

Geosyntec consultants

900 Broken Sound Parkway NW, Suite 200
Boca Raton, Florida 33487
PH 561.995.0900
FAX 561.995.0925
www.Geosyntec.com

2 October 2024

Mr. Robert Sellers, CHMM
Florida Department of Environmental Protection
Southwest District Office
13051 North Telecom Parkway, Suite 101
Temple Terrace, FL 33637

Subject: **Biennial Groundwater Quality Report**
Property: **Wedgworth's Facility (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")**
211 State Road 70 West
Lake Placid, Highlands County, Florida
Site: **FDEP Facility ID: ERIC_18066**
OGC File Number: 92-1233

Dear Mr. Sellers:

On behalf and at the request of our client Wedgworth's Inc. (Wedgworth's), Geosyntec Consultants, Inc. (Geosyntec) has prepared this Biennial Groundwater Quality Report (Report) for the facility associated with the above-referenced address (herein referred to as "Property"). The Report is for an affected groundwater area associated with the Property ("Site") and has been prepared to help address certain Consent Order-driven groundwater monitoring obligations. The location of the Property is presented in **Figure 1**. Locations of wells that have been monitored for the Site are depicted in **Figure 2**.

BACKGROUND AND SITE HISTORY

The Property was purchased by Wedgworth's from The Andersons, Inc (The Andersons) in March 2017. Previously, The Andersons merged with Douglass Fertilizer and Chemical, Inc. (DF). In 1993, DF and the State of Florida had entered into a Consent Order (CO) which was focused on addressing subsurface contamination at the Site. In response to the CO, various reports have been issued to FDEP over the years. Notably, CO-driven assessment and remediation at the Site has primarily been focused on nitrate groundwater contamination.

According to a November 1993 *Interim Remedial Action Plan* (IRAP) prepared by Environmental Consulting & Technology, Inc (ECT), the nitrate contaminated groundwater was going to be used by the facility for irrigation and make-up water ("beneficial reuse") at the Site. Since the start of the beneficial reuse of the nitrate contaminated groundwater at the Site, groundwater has been monitored (in different time intervals starting in November

1995) at the Site. Biennial groundwater monitoring started in December 2015. The 2015 groundwater monitoring event was conducted by AECOM in December 2015. The 2015 annual groundwater event was summarized in a *2015 Annual Monitoring Results Report,* dated 29 January 2016, prepared by AECOM and submitted to FDEP. Notably, in the *2015 Annual Monitoring Results Report*, AECOM recommended biennial sampling to FDEP. According to AECOM, approximately 9,491,000 gallons of groundwater was recovered from onsite recovery well MW-4IRG in 2015.

Following Wedgworth's purchase of the Property (wherein it agreed with The Andersons to be responsible for biennial groundwater monitoring), the 2017 biennial groundwater monitoring event was conducted for Wedgworth's by Geosyntec in December 2017, and results were presented in Geosyntec's *2017 Biennial Groundwater Quality Report,* dated 6 February 2018. The 6 February 2018 biennial report indicated the plan was to continue biennial monitoring. Additionally, it was reported that approximately 8,515,500 gallons was recovered from onsite recovery well MW-4IRG in 2017. Following submittal of the biennial report, FDEP's March 2018 review letter indicated that FDEP desired modifications were needed to the Remedial Action Plan for the Site because "*concentrations are not proceeding toward conclusion of site rehabilitation within a reasonable time*." In response, The Anderson's consultant, Ben Foster, conducted sampling at the Site (as a result of FDEP's March 2018 letter) in October 2018. Ben Foster's analytical results from his sampling event were provided to FDEP in November 2018. Ben Foster's October 2018 event data are included herein.

The 2019 biennial groundwater monitoring event was conducted by Geosyntec in December 2019 and results were presented in Geosyntec's *2019 Biennial Groundwater Quality Report*, dated 31 January 2020. The 2021 groundwater monitoring event was conducted by Geosyntec in December 2021 and results were presented in Geosyntec's *2021 Biennial Groundwater Quality Report*. Since the 2021 report was submitted, FDEP's case management of the Site was transferred from FDEP's Fort Myers District Office to the Southwest District Office in Tampa. An FDEP review letter was not prepared in response to the *2021 Biennial Groundwater Quality Report*. At Wedgworth's request, in June 2024, Geosyntec contacted FDEP to discuss the Site status and was advised by FDEP to proceed with the next biennial groundwater sampling event and associated reporting[1]. The results of this latest biennial groundwater sampling event, which was conducted between July and August 2024, are presented herein.

[1] Through telephone calls and emails, FDEP approved a 2 October 2024 due date for this report.

Attachment A includes a table presenting historical reported nitrate concentrations in groundwater for the Site and graphs depicting concentration trends of nitrate concentrations in groundwater from March 1994 to August 2024.

STATUS OF GROUNDWATER BENEFICIAL REUSE

As a brief summary of the above-mentioned remedy being implemented at the Site, groundwater at the Site is pumped by the facility from onsite recovery well MW-4IRG and reused either as irrigation water or as make-up water in the liquid fertilizer blending process. Facility staff track the pumping of groundwater for beneficial reuse of the groundwater and reported to Geosyntec that approximately 8,408,300 gallons of groundwater was recovered from January 2022 to July 2024. According to these records, approximately 4,033,800 gallons of groundwater was used for irrigation at the Site and 3,664,800 gallons of groundwater was used as make-up water for the liquid fertilizer blending process since January 2022. A summary of the Wedgworth's-reported monthly pumping volumes is provided in **Table 1**.

GROUNDWATER ELEVATIONS AND FLOW DIRECTION

Geosyntec personnel mobilized to the Site and collected groundwater elevation data on 9 July 2024. Groundwater elevation measurements were collected within a 2-hour period prior to groundwater sampling activities. Notably, due to the well construction (well access was found to only be through a sampling port) depth to water measurements were not collected from MW-4IRG, DFCSW-8, and DFGES. Additionally, Geosyntec was unable to collect a depth to water measurement for DFN-5 due to damage to the aboveground well casing and an obstruction in the well. Groundwater elevations and well construction data are shown in **Table 2**[2]. Groundwater elevations are presented on **Figure 3**.

Based on the enclosed mapped groundwater elevations at the Site during 9 July 2024 monitoring event, the groundwater flow is estimated to, overall, be westward. The western groundwater flow aligns with a local groundwater flow toward Lake Annie (located approximately 1-mile west of the Site) and Lake Placid (located approximately 1.5 miles northwest of the Site).

[2] During the 2017 biennial sampling event, Geosyntec observed discrepancies related to the reported total depths of several monitoring wells as depicted in previous generated reports (reference: 9 November 1993 Contamination Assessment Plan prepared by ECT). **Table 2** indicates the measured depths of the monitoring wells as recorded by Geosyntec in December 2017 and has been updated as warranted based on Geosyntec's 2024 field work at the Site.

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GROUNDWATER SAMPLING AND RESULTS

On 9 and 10 July 2024, Geosyntec collected groundwater samples from monitoring well locations DFAB-1, DFAB-2, DFE-6[3], DFW-7, DFOS-6, and DFS-8[3] in general accordance with FDEP Standard Operating Procedures (SOPs). In addition, Geosyntec collected grab samples from existing ports on wells MW-4IRG, DFCSW-8, and DFGES. Despite efforts to perform sampling, Geosyntec was unable to collect a sample from DFN-5 due to damage to the aboveground well casing and an obstruction in the well. Facility personnel were later able to clear the obstruction from DFN-5 using water to clear the blockage. After waiting several days from the time of the well clearing by the facility, on 3 September 2024, Geosyntec remobilized to the Site and purged approximately 20 well volumes from DFN-5 prior to resampling (this more robust than normal purging was done in an effort to try to ensure that the sampled water was representative of aquifer water and not water which the facility introduced to clear the blockage). On 5 September 2024, Geosyntec conducted a sampling event for monitoring well locations DFN-5, DFE-6, and DFS-8.

Prior to sampling monitoring wells, Geosyntec either purged a minimum of one well volume of groundwater (for wells with partially-submerged screens) or one equipment volume (for wells with fully-submerged screens). During groundwater purging activities, Geosyntec field-monitored groundwater for the following water quality parameters: temperature, pH, specific conductance, turbidity, oxidation-reduction potential, and dissolved oxygen. These field parameters were recorded on the groundwater sampling log for each monitoring well (**Attachment B**) and are summarized in **Table 3**. Following purging, Geosyntec collected a groundwater sample from each of the wells referenced above. Samples were shipped each afternoon to Eurofins Orlando via FedEx Express in order to arrive to the lab within the allotted 48-hour hold time. Groundwater samples were analyzed for nitrate by Environmental Protection Agency (EPA) Method 353.2

Laboratory analytical results from the 2024 biennial event are summarized on **Table 4** and illustrated on **Figure 4.** Analytical results were compared to FDEP's Groundwater Cleanup Target Level (GCTL) for nitrate as presented in Chapter 62-777 of the Florida Administrative Code (F.A.C.).

The laboratory data revealed detections above the associated method detection limit (MDL) for nitrate in nine of the ten monitoring wells locations. The groundwater sample from

[3] Due to circumstances out of Geosyntec's control (a delivery error by Fedx), the July 2024-collected samples from DFE-6 and DFS-8 did not arrive to laboratory within the allotted 48-hour hold time for analysis of nitrate by EPA Method 353.2. Thus, these two wells were resampled on 5 September 2024.

DFGES had a concentration above the MDL, but below the nitrate GCTL of 10 milligrams per liter (mg/L). The monitoring well locations DFAB-1, DFAB-2, DFN-5, DFE-6, DFW-7, DFS-8, DFOS-6, and MW-4IRG had detected levels above the GCTL for nitrate (10 mg/L), but below the Natural Attenuation Default Concentration (NADC) for nitrate of 100 mg/L, as stipulated in Chapter 62-777, F.A.C. A copy of the laboratory report is presented in **Attachment C**. Nitrate was below the MDL at supply well location DFCSW-8.

Trend graphs for the above-described sampling locations (**Attachment A**) show fluctuations including increases and decreases in nitrate concentrations over time; however, the overall trend for the Site as a whole in review of the individual groundwater well nitrate sampling results is interpreted to be nitrate concentration reduction when comparing the 2024 sampling event results to peak nitrate concentrations, which were reported in the mid-1990's to mid-2000's. That said, a few of the wells showed increases in nitrate levels from 2021 to 2024, wherein the most prominent of these was seen in monitor well DFN-5, located in the northern portion of the Site, which showed an increase from 1.7 milligrams per liter (mg/L) in 2021 to 51 mg/L in 2024, after being below the GCTL since to 2010 (it is notabe that this well has in the past shown much higher nitrate levels including one over 100 mg/L). That said, as previously indicated, this well was recently found to be damaged and had significant work done to it to try to repair it and prepare it for sampling. As such, the 2024 detection in DFN-5 may be a temporary increase in the nitrate level. Results for certain other wells, including DFAB-1, DFOS-6, and DFE-6 also showed increases; however, fluctuations like these have been seen in past monitoring. It is notable that no exceedances of the FDEP NADC for nitrate were detected during the 2024 sampling event (the last time an NADC exceedance was reported was for the 2017 sampling event).

Geosyntec consultants

RECOMMENDATIONS

Wedgworth's proposes the following:

- Wedgworth's plans to continue the beneficial reuse of groundwater at the Site by pumping groundwater from MW-4IRG. The pumped groundwater would be used by the facility for irrigation water and/or as make-up water during the liquid fertilizer blending process.
- For Wedgworth's, Geosyntec plans to continue with biennial groundwater monitoring for the Site to allow for further monitoring of nitrate concentration trends, using the same monitoring wells, with the next biennial groundwater monitoring event to be near the end of 2025 with the corresponding report submitted in early 2026.

Sincerely,





Mary C. Turner, P.E.
Project Engineer
Florida Professional Engineer No. 94032
Geosyntec Consultants, Inc.
Certificate of Authorization #4321
900 Broken Sound Pkwy NW, Suite 200
Boca Raton, FL 33487

J. Chris Herin, P.G.
Senior Principal

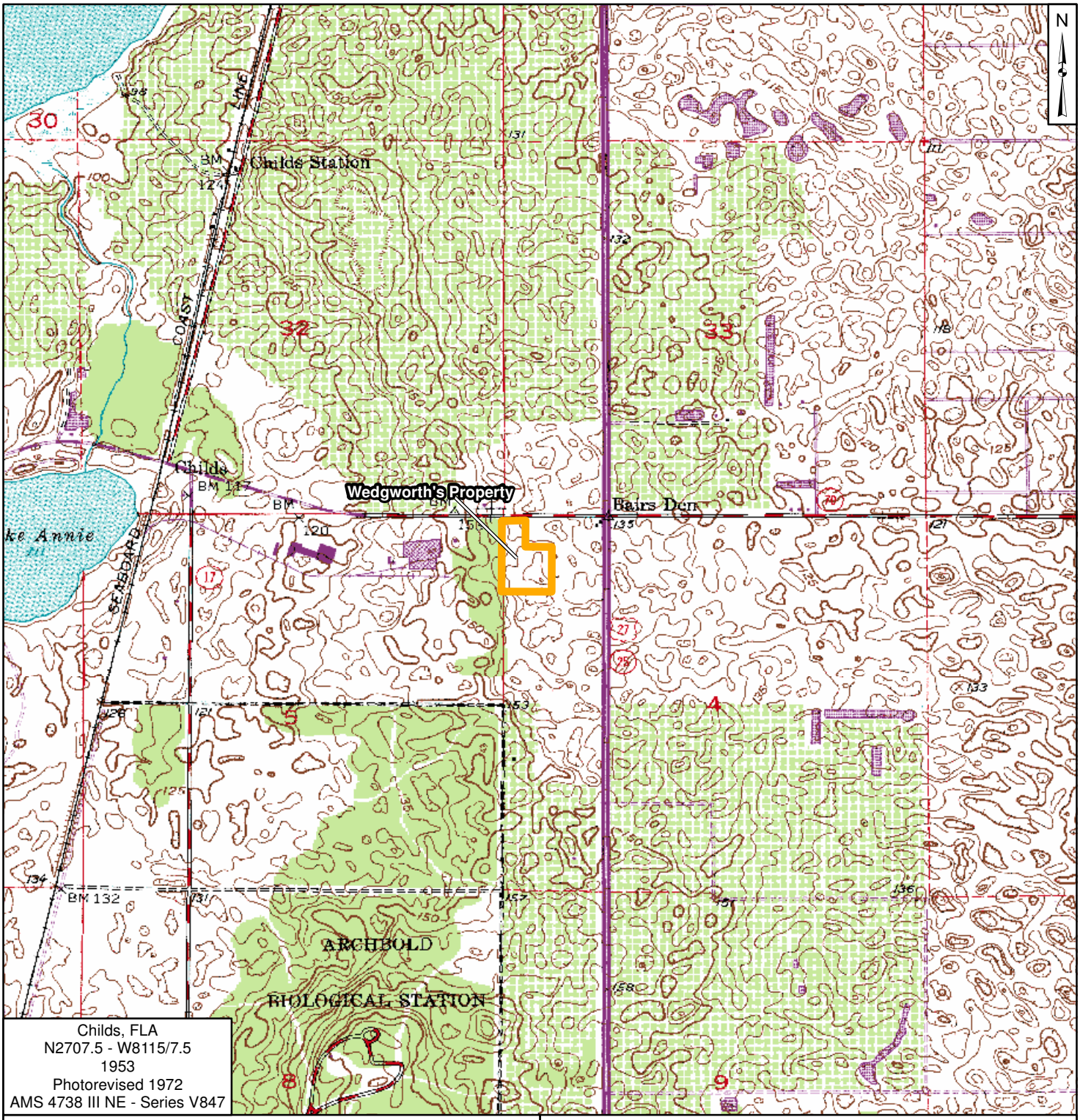
This document has been electronically signed and sealed by Mary C. Turner, P.E., on 10/02/2024 using a SHA-1 algorithm to generate an authenticity code. Printed Copies of this document are not considered signed and sealed. To verify the authenticity of this document, the SHA-1 authentication code computed by the user for this document using the SHA-1 algorithm must match the authentication code presented on the Signature Report prepared for this document.

Attachments:

Attachment A	Summary of Previous Analytical Data and Nitrate Concentration Trend Graphs
Attachment B	Groundwater Sampling Logs
Attachment C	Laboratory Analytical Reports

Copies to: Sherida Ridgdill – Wedgworth's
Scott Hawkins, Esq. – Jones Foster law firm (representing Wedgworth's)
Bill Pence, Esq. – Baker Hostetler law firm (representing The Andersons)
Sam Abelson - Geosyntec

FIGURES



Childs, FLA
N2707.5 - W8115/7.5
1953
Photorevised 1972
AMS 4738 III NE - Series V847

Legend

Approximate Wedgworth's Property Boundary

2,000 1,000 0 2,000 Feet

Wedgworth's Property Within USGS Site Topographic Map

Subject Site Name: Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
211 S.R. 70 West
Lake Placid, Florida

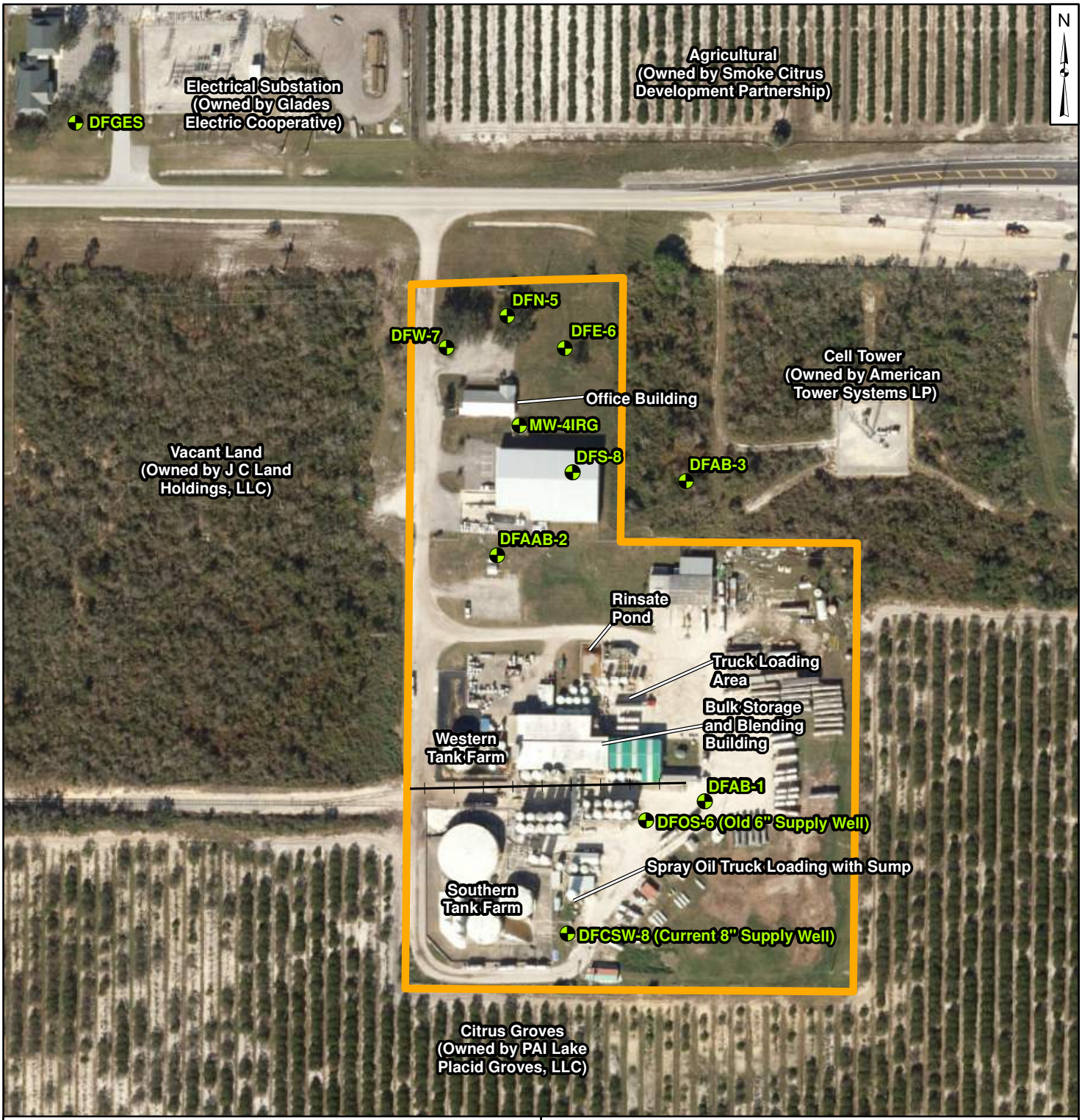
Notes:
1. Section 04, Township 38 S, and Range 30 E.
2. Source of Childs, FL USGS 7.5 Minute Quadrangle: Florida Department of Environmental Protection, Land Boundary Information System (LABINS).
3. Wedgworth's Property Boundary is approximate and from the Florida Department of Revenue.

Geosyntec consultants

Boca Raton, Florida | September 2024

Figure 1

Path: (Titusville-01\DATA) T:\0GIS\FE2964_Wedgeworth\MXDs\202408\Topo.mxd 26 September 2024. Last Edited by: mturner



Legend

- Approximate Location of Groundwater Monitoring Wells
- Observed Railroad Spur
- Wedgworth's Property Boundary

200 100 0 200 Feet

Wedgworth's Property Layout Map

Subject Site Name: Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
211 S.R. 70 West
Lake Placid, Florida

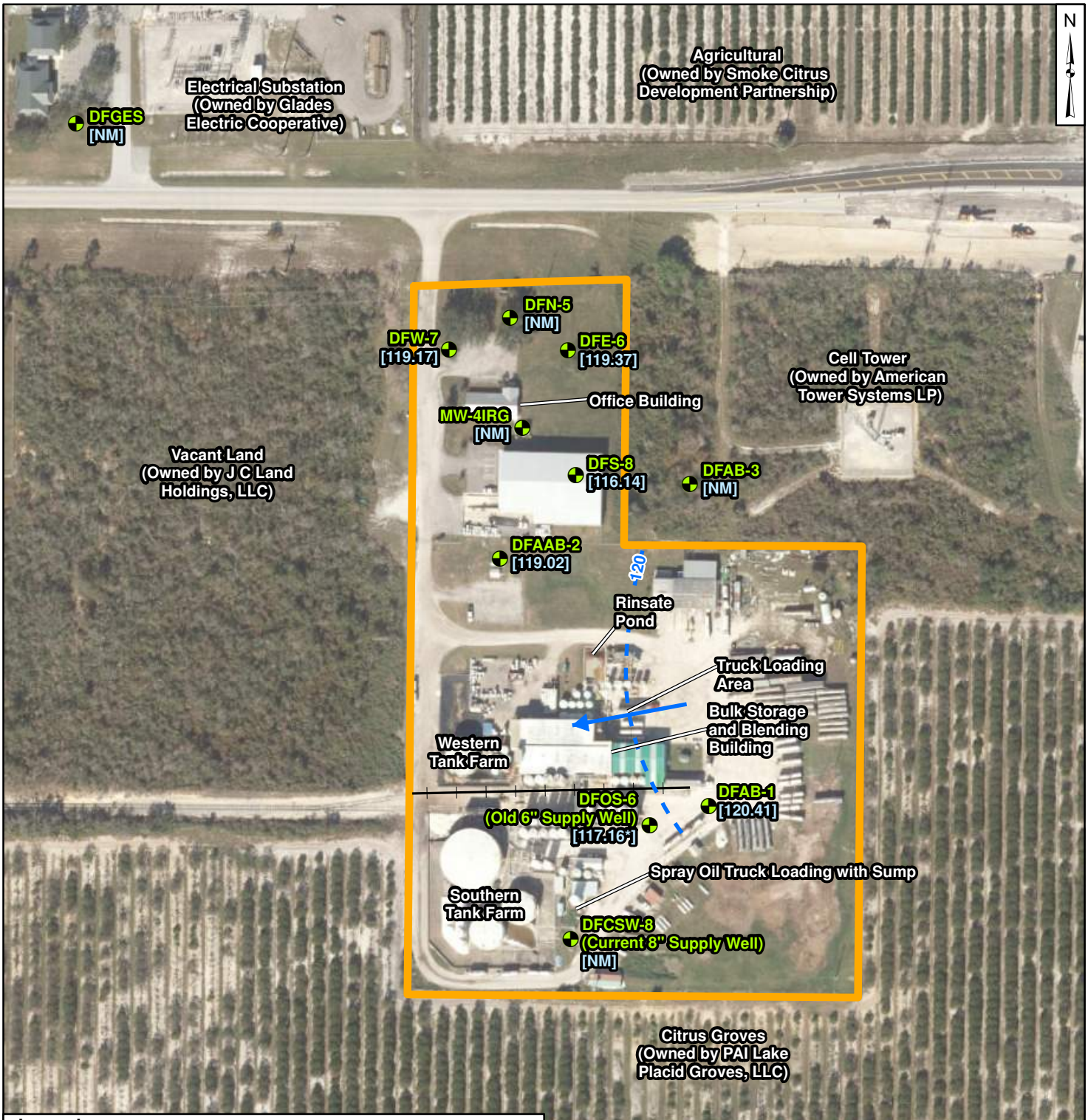
Notes:
1. Locations of groundwater monitoring wells were obtained from the 29 January 2016 "2015 Annual Monitoring Results Report" which was submitted by AECOM to FDEP.
2. Wedgworth's Property Boundary is approximate and from the Florida Department of Revenue.
3. 2020 aerial source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

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Boca Raton, Florida | September 2024

Figure 2

Path: (Titusville-01\DATA) T:\0GIS\FE2964_Wedgeworth\MXDs\202408\Layout.mxd 26 September 2024. Last Edited by: mturner



Legend

- Approximate Location of Groundwater Monitoring Wells
- Estimated Groundwater Elevation Contour (ft MSL)
- Inferred Primary Groundwater Flow Direction
- Observed Railroad Spur
- Wedgworth's Property Boundary
- [121.39] Groundwater Elevation (ft MSL)

200 100 0 200 Feet

Groundwater Elevation Map
9 July 2024

Subject Site Name: Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
211 S.R. 70 West
Lake Placid, Florida

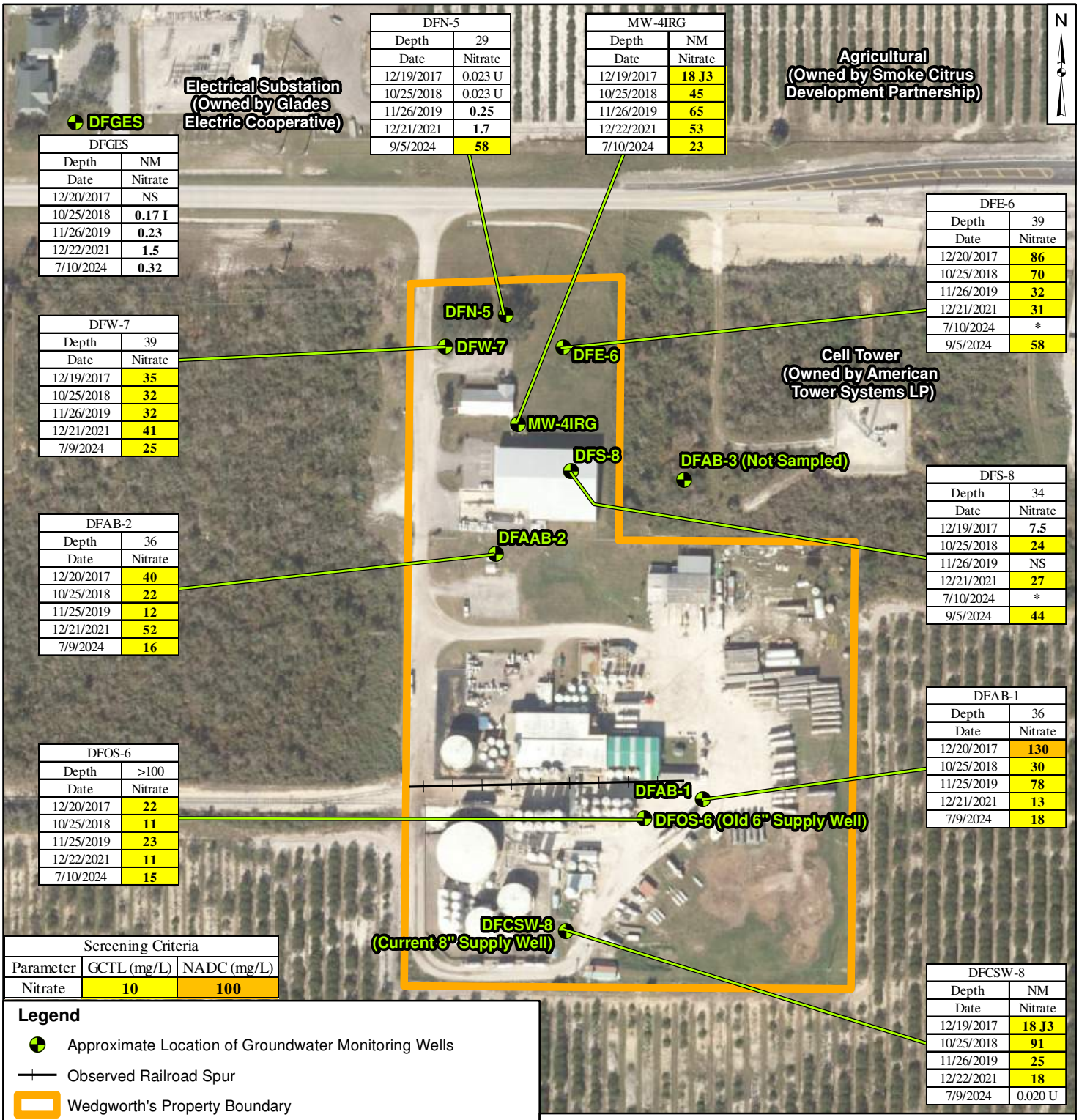
Notes:
1. ft MSL indicates feet above mean sea level.
2. Locations of groundwater monitoring wells were obtained from the 29 January 2016 "2015 Annual Monitoring Results Report" which was submitted by AECOM to FDEP.
3. * indicates data not to be used for shallow GW elevation contouring. DFOS-6 is greater than 100-foot in depth.
4. Wedgworth's Property Boundary is approximate and from the Florida Department of Revenue.
5. 2023 aerial source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

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Figure 3

Path: (Titusville-01\DATA) T:\0GIS\FE2964_Wedgeworth\MXDs\202408\GW_Elev_Jul2024.mxd 26 September 2024. Last Edited by: mturner



DFGES	
Depth	NM
Date	Nitrate
12/20/2017	NS
10/25/2018	**0.17 I**
11/26/2019	**0.23**
12/22/2021	**1.5**
7/10/2024	**0.32**

DFN-5	
Depth	29
Date	Nitrate
12/19/2017	0.023 U
10/25/2018	0.023 U
11/26/2019	**0.25**
12/21/2021	**1.7**
9/5/2024	**58**

MW-4IRG	
Depth	NM
Date	Nitrate
12/19/2017	**18 J3**
10/25/2018	**45**
11/26/2019	**65**
12/22/2021	**53**
7/10/2024	**23**

DFE-6	
Depth	39
Date	Nitrate
12/20/2017	**86**
10/25/2018	**70**
11/26/2019	**32**
12/21/2021	**31**
7/10/2024	*
9/5/2024	**58**

DFW-7	
Depth	39
Date	Nitrate
12/19/2017	**35**
10/25/2018	**32**
11/26/2019	**32**
12/21/2021	**41**
7/9/2024	**25**

DFS-8	
Depth	34
Date	Nitrate
12/19/2017	**7.5**
10/25/2018	**24**
11/26/2019	NS
12/21/2021	**27**
7/10/2024	*
9/5/2024	**44**

DFAB-2	
Depth	36
Date	Nitrate
12/20/2017	**40**
10/25/2018	**22**
11/25/2019	**12**
12/21/2021	**52**
7/9/2024	**16**

DFAB-1	
Depth	36
Date	Nitrate
12/20/2017	**130**
10/25/2018	**30**
11/25/2019	**78**
12/21/2021	**13**
7/9/2024	**18**

DFOS-6	
Depth	>100
Date	Nitrate
12/20/2017	**22**
10/25/2018	**11**
11/25/2019	**23**
12/22/2021	**11**
7/10/2024	**15**

DFCSW-8	
Depth	NM
Date	Nitrate
12/19/2017	**18 J3**
10/25/2018	**91**
11/26/2019	**25**
12/22/2021	**18**
7/9/2024	0.020 U

Screening Criteria		
Parameter	GCTL (mg/L)	NADC (mg/L)
Nitrate	**10**	**100**

Legend

- Approximate Location of Groundwater Monitoring Wells
- Observed Railroad Spur
- Wedgworth's Property Boundary

200 100 0 200 Feet

Notes:
1. Geosyntec Measured Well Depth (2017).
2. Locations of groundwater monitoring wells were obtained from the 29 January 2016 "2015 Annual Monitoring Results Report" which was submitted by AECOM to FDEP.
3. Wedgworth's Property boundary is provided by Florida Department of Revenue.
4. GCTL indicates Groundwater Cleanup Target Level (Chapter 62-777 F.A.C).
5. NADC indicates Natural Attenuation Default Concentration (Chapter 62-777 F.A.C.).
6. mg/L indicates milligrams per liter.
7. U indicates Not detected against the sample-specfic method detection limit.
8. J3 indicates Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
9. Bold and yellow shading indicates detection exceeds GCTL.
10. Bold and orange indications detection exceeds NADC.
11. NM indicates Not Measured (due to well construction).
12. NS indicates not sampled.
13. * indicates monitoring well was resampled due to sample unable to be collected (well obstruction) or samples arriving out of hold time during July 2024 monitoring event.
14. >100 = well was deeper than sampler able to measure for this event.
15. Data collected in 2018 was collected by The Andersons Inc's environmental consultant, Ben Foster.
16. 2023 aerial source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

Analytical Results for Nitrate in Groundwater July 2024

Subject Site Name: Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
211 S.R. 70 West
Lake Placid, Florida

Geosyntec consultants

Boca Raton, Florida | September 2024

Figure 4

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TABLES

Table 1
Water Reuse January 2022 to July 2024
Subject Site Name: Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West, Lake Placid, Florida

Month	Gallons Recovered From onsite recovery well MW-4IRG		
	For Spray Field	For Make-up Water	Total
Jan 2022	78,400	112,000	190,400
Feb 2022	-	-	-
March 2022	-	-	-
April 2022	142,300	598,200	740,500
May 2022	261,500	477,400	738,900
June 2022	178,800	188,600	367,400
July 2022	141,700	88,500	230,200
Aug 2022	43,800	20,700	64,500
Sept 2022	433	2,266	2,699
Oct 2022	433	2,266	2,699
Nov 2022	434	2,268	2,702
Dec 2022	-	-	-
Jan 2023	-	-	-
Feb 2023	229,600	177,600	407,200
March 2023	75,600	121,400	197,000
April 2023	190,300	296,000	486,300
May 2023	376,600	257,400	634,000
June 2023	103,200	39,750	142,950
July 2023	249,700	39,750	289,450
Aug 2023	129,700	64,900	194,600
Sept 2023	161,900	133,400	295,300
Oct 2023	409,500	253,000	662,500
Nov 2023	177,700	225,400	403,100
Dec 2023	138,200	60,800	199,000
Jan 2024	-	-	-
Feb 2024	180,400	142,900	407,200
March 2024	157,800	144,800	197,000
April 2024	245,800	104,300	486,300
May 2024	164,200	51,700	634,000
June 2024	87,600	26,400	142,950
July 2024	108,200	33,100	289,450
Total	**4,033,800**	**3,664,800**	**8,408,300**

Notes:
1. Estimated gallons recovered was provided by Wedgworth's.
"--" = Line was reported by Wedgworth's to have been broken at that time and no gallons were recorded for that month.

Table 2
Well Construction and Groundwater Elevation Data
Subject Site Name: Wedgworth's (Formerly Known as
"The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West, Lake Placid, Florida

Well ID	Reported Screen Depth Interval[1] (ft BLS)	Reported Depth of the Well[1] (ft BLS)	Measured Well Bottom Depth[2] (ft BLS)	Reported Top of Casing Elevation[1] (ft MSL)	19 December 2017 Event		25 November 2019 Event		21 December 2021 Event		9 July 2024 Event	
					Measured Depth To Water (ft BTOC)	Water Elevation (ft MSL)	Measured Depth To Water (ft BTOC)	Water Elevation (ft MSL)	Measured Depth To Water (ft BTOC)	Water Elevation (ft MSL)	Measured Depth To Water (ft BTOC)	Water Elevation (ft MSL)
DFAB-1	14-19	20	36	136.46	14.11	122.35	16.10	120.36	14.10	122.36	16.05	120.41
DFAB-2	14-19	20	36	139.35	19.30	120.05	21.29	118.06	19.34	120.01	20.33	119.02
DFN-5	26-36	36	37	133.73	12.31	121.42	14.30	119.43	12.34	121.39	NM	NM
DFE-6	26-36	36	39	132.81	11.48	121.33	13.50	119.31	11.52	121.29	13.44	119.37
DFW-7	26-36	36	39	136.44	15.35	121.09	17.34	119.10	15.40	121.04	17.27	119.17
DFS-8	26-36	36	34	135.45	15.64	119.81	NM	NM	17.45	118.00	19.31	116.14
MW-4IRG	35-75	75	NM	135.78	NM	NM	NM	NM	NM	NM	NM	NM
DFOS-6	25-125	125	>100*	135.63**	NM	NM	NM	NM	NM	NM	18.47	117.16
DFCSW-8	120-220	220	NM	134.07	NM	NM	NM	NM	NM	NM	NM	NM
DFGES	647-720	---	Well Not Found	---	Well Not Found	Well Not Found	NM	NM	NM	NM	NM	NM

Notes:
* Well was deeper than sampler able to measure for this event.
** TOC elevation for DFOS-6 not listed in 1993 report by ECT. Obtained from 18 December 2015 Annual Monitoring Report, prepared by AECOM
(1) Information obtained from 09 November 1993 Contamination Assessment Plan prepared by ECT, Inc. Datum was not provided by ECT.
(2) Information measured during Geosyntec's 19 December 2017 Biennial Groundwater Monitoring event and updated as warranted based on Geosyntec's 2024 field work at the Site.
(3) The depth to water in MW-4IRG, DFOS-6, and DFCSW-8 could not be measured due to construction of these wells (i.e., sealed lid over the top of the well).
ft = feet
MSL= mean sea level
BLS = below land surface
BTOC = below top of casing
NM = Depth to water not recorded in monitoring well
"---" = Not reported by ECT or AECOM

Table 3
Summary of Lake Placid Field Measured Data
Subject Site Name: Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West, Lake Placid, Florida

Sample Location	Sample Date	Temperature (degree celsius)	pH (S.U.)	Turbidity (NTU)	ORP (mV)	DO (mg/L)	Specific Conductivity (µS/cm)	Color/ Comments
Monitoring Wells								
DFAB-1	12/20/17	25.06	4.41	1.94	229.9	0.31	1277	clear
	10/25/18	25.82	6.74	0.45	229.9	3.14	251	clear
	11/25/19	25.00	3.80	4.28	181.8	0.64	853	clear
	12/21/21	24.93	4.84	14.7	169.5	0.09	400	clear
	7/9/24	25.72	6.15	1.83	79.4	0.53	393	clear
DFAB-2	12/20/17	25.67	3.71	2.22	286.3	0.29	860	clear
	10/25/18	27.35	3.88	0.95	286.3	1.32	344	clear
	11/25/19	21.30	4.43	3.34	195.4	0.51	365	clear
	12/21/21	25.82	4.13	14.3	143.6	0.29	1037	clear
	7/9/24	26.70	5.97	4.36	60.2	0.44	783	clear
DFN-5	12/19/17	25.23	6.73	10.2	-61.8	0.23	459	clear
	10/25/18	25.23	6.41	7.13	-61.8	0.47	392	clear
	11/26/19	22.33	7.22	18.5	-14.9	0.60	503	clear
	12/21/21	24.53	7.26	35.1	68.3	4.65	637	clear
	9/5/24	15.31	6.10	8.77	-264.80	0.12	716.00	clear
DFE-6	12/19/17	24.79	3.94	1.82	266.4	0.19	939	clear
	10/25/18	25.12	3.98	2.49	266.4	0.67	588	clear
	11/26/19	24.40	4.03	0.59	210.4	0.39	484	clear
	12/21/21	24.46	3.98	7.04	469.7	0.37	554	clear
	9/5/24	25.50	5.65	0.61	-190.6	0.24	815	clear
DFW-7	12/19/17	25.85	3.93	1.00	293.7	1.15	620	clear
	10/25/18	25.41	3.87	1.54	293.7	4.37	375	clear
	11/26/19	25.25	5.26	2.67	250.2	0.78	546	clear
	12/21/21	26.09	5.22	8.42	-277.8	0.17	688	clear
	7/9/24	25.92	6.41	0.66	62.4	0.59	702	clear
DFS-8	12/19/17	24.94	6.90	55.60	80.0	2.57	438	clear
	10/25/18	25.17	5.52	14.80	80.0	1.04	387	clear
	11/25/19	Measurements not collected due to obstruction in monitoring well						
	12/21/21	26.29	4.52	12.7	67.8	1.25	477	clear
	9/5/24	25.70	4.57	0.66	-160.5	0.18	633	clear

Table 3
Summary of Lake Placid Field Measured Data
Subject Site Name: Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West, Lake Placid, Florida

Sample Location	Sample Date	Temperature (degree celsius)	pH (S.U.)	Turbidity (NTU)	ORP (mV)	DO (mg/L)	Specific Conductivity (µS/cm)	Color/ Comments
Monitoring Wells								
MW-4IRG	12/20/17	20.25	4.34	5.32	280.2	0.32	378	clear
	10/25/18	Measurements not collected						
	11/26/19	24.57	5.81	1.29	207.9	0.32	953	clear
	12/22/21	24.95	5.24	2.38	170.8	5.24	849	clear
	7/10/24	28.30	5.07	3.98	144.1	2.16	469	clear
DFOS-6	12/20/17	24.90	7.79	31.10	75.6	0.13	483	clear
	10/25/18	26.85	7.01	2.74	75.6	1.10	272	clear
	11/25/19	25.00	6.42	14.50	134.7	0.29	459	clear
	12/22/21	24.10	7.13	0.52	150.4	0.52	292	clear
	7/10/24	25.86	5.78	2.96	70.3	0.24	415	clear
DFCSW-8	12/20/17	24.25	4.48	***	238.5	1.21	376	clear
	10/25/18	Measurements not collected						
	11/26/19	24.97	4.74	0.39	202.6	6.15	772	clear
	12/22/21	24.46	4.56	0.45	182.8	6.76	362	clear
	7/9/24	24.94	6.12	0.63	119.2	4.48	386	clear
DFGES	10/25/18	Measurements not collected						
	11/26/19	19.11	8.40	4.37	136.6	7.22	234	clear
	12/22/21	19.55	7.89	6.18	186.7	5.34	236	clear
	7/10/24	30.64	7.96	3.88	-14.5	6.48	285	clear

Notes:
ft = feet
bls = below land surface
pH = hydrogen ion concentration
S.U. = Standard Units
NTU = Nephelometric Turbidity Units
mV = millivolts
DO = dissolved oxygen
mg/L = milligrams per liter
µS/cm = microSiemens (micromhos) per centimeter
*** = turbidity was below range of instrument

Table 4
Summary of Lake Placid Analytical Data (November 2019)
Subject Site Name: Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

Monitoring Well ID	*Date Sampled*	Nitrate (N)
Units		mg/L
FDEP GCTL		10
FDEP NADC		100
DFAB-1	12/20/2017	130
	10/25/2018	28
	11/25/2019	78
	12/21/2021	13
	7/9/2024	18
DFAB-2	12/20/2017	40
	10/25/2018	20
	11/25/2019	12
	12/21/2021	52
	7/9/2024	16
DFN-5	12/19/2017	0.023 U
	10/25/2018 (run 1)	0.023 U
	10/25/2018 (run 2)	0.023 UQ
	11/26/2019	0.25
	12/21/2021	1.7
	9/5/2024*	51
DFE-6	12/19/2017	86
	10/25/2018	67
	11/26/2019	32
	12/21/2021	31
	9/5/2024*	58
DFW-7	12/19/2017	35
	10/25/2018	31 Q
	11/26/2019	32
	12/21/2021	41
	7/9/2024	25
DFS-8	12/19/2017	7.5
	10/25/2018 (run 1)	25 L
	10/25/2018 (run 2)	23 Q
	11/26/2019	NS
	12/21/2021	27
	9/5/2024*	44
MW-4IRG	12/20/2017	18 J3
	10/25/2018 (run 1)	54 L
	10/25/2018 (run 2)	46 Q
	11/26/2019	65
	12/22/2021	53
	7/10/2024	23

Table 4
Summary of Lake Placid Analytical Data (November 2019)
Subject Site Name: Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

Monitoring Well ID	*Date Sampled*	Nitrate (N)
Units		mg/L
FDEP GCTL		**10**
FDEP NADC		**100**
DFOS-6	12/20/2017	**22**
	10/25/2018	**9.6**
	11/25/2019	**23**
	12/22/2021	**11**
	7/10/2024	**15**
DFGES	12/20/2017	NS
	10/25/2018	**0.087**
	11/26/2019	**0.23**
	12/22/2021	**1.5**
	7/10/2024	**0.32**
DFCSW-8	12/20/2017	**18 J3**
	10/25/2018 (run 1)	**110 L**
	10/25/2018 (run 2)	**90 Q**
	11/26/2019	**25**
	12/22/2021	**18**
	7/9/2024	0.020 U

Notes:
1. mg/L = milligrams per liter.
2. GCTL = Groundwater Cleanup Target Level Chapter 62-777 Florida Administrative Code (2005)
3. NADC = Natural Attenuation Default Concentrations Chapter 62-777 Florida Administrative Code (2005)
3. FDEP = Florida Department of Environmental Protection
4. J3 = Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
5. U = The compound was analyzed for but not detected.
6. Q = Sample held beyond the accepted holding time. Geosyntec note: The lab reported this was due to laboratory equipment breakdown.
7. L = Off-scale high. Actual value is known to be greater than the value given. Geosyntec note: The "L" qualifier means, in part, that the "run 1" result did not pass the lab's QA/QC criteria and, as such, they reran the sample, The "L" qualified result was a sample run within hold time and prior to laboratory equipment breakdown. The associated "run 2" was conducted after the equipment was repaired, but out of hold time (hence the Q qualifier).
8. Bold and yellow shading indicates detection exceeds the GCTL.
9. Bold and orange shading indicates detection exceeds the NADC.
10. NS = Sample was not collected due to issues locating the well during the December 2017 event.
11. * = Monitoring well was resampled due to sample unable to be collected (well obstruction) or samples arriving out of hold time during July 2024 monitoring event.

ATTACHMENT A

SUMMARY OF PREVIOUS ANALYTICAL DATA AND NITRATE CONCENTRATION TREND GRAPHS

Attachment A
Nitrate Concentrations
Subject Site: Wedgworth's (Formerly Known as
"The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

Compounds		Nitrate (N)
units		mg/L
FDEP GCTL		**10**
NADC		**100**
Sample ID	**Date Sampled**	
MW-4IRG	Jul 24	**23**
	Dec 21	**53**
	Dec 17	**18 J3**
	Dec 15	**61**
	Dec 14	**19.5**
	Dec 13	**59.6**
	Dec 12	**59**
	Dec 11	**90.4**
	Dec 10	**19**
	Dec 09	**140**
	Dec 08	**140**
	Jan 08	**20**
	Dec 06	**56**
	Dec 05	**73.5**
	Dec 04	**110**
	Dec 03	**130**
	Dec 02	**160**
	Jan 02	**100**
	Nov 00	**21**
	Dec 99	**17**
	Nov 98	**150**
	Sep 97	**120**
	Sep 96	**144**
	Sep 95	**204**
	Sep 94	Not Reported
	Mar 94	**231**

Attachment A
Nitrate Concentrations
Subject Site: Wedgworth's (Formerly Known as
"The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

Compounds		Nitrate (N)
units		mg/L
FDEP GCTL		**10**
NADC		**100**
Sample ID	**Date Sampled**	
DFAB-1	Jul 24	**18**
	Dec 21	**13**
	Dec 17	**130**
	Dec 15	3.5
	Dec 14	**10.9**
	Dec 13	**11.4**
	12-Dec	8.6
	Dec 11	**15**
	Dec 10	7.7
	Dec 09	8.3
	Dec 08	8.4
	Jan 08	2
	Dec 06	0.78
	Dec 05	**46.6**
	Dec 04	9.9
	Dec 03	**36**
	Dec 02	1.6
	Jan 02	**28**
	Nov 00	**222**
	Dec 99	**18**
	Nov 98	**200**
	Sep 97	0.84
	Sep 96	2.81
	Sep 95	5.03
	Sep 94	**26.89**
	Mar 94	8.47

Attachment A
Nitrate Concentrations
Subject Site: Wedgworth's (Formerly Known as
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211 State Road 70 West
Lake Placid, Florida

Compounds		Nitrate (N)
units		mg/L
FDEP GCTL		**10**
NADC		**100**
Sample ID	**Date Sampled**	
DFAB-2	Jul 24	**16**
	Dec 21	**52**
	Dec 17	**40**
	Dec 15	1.9
	Dec 14	5.0
	Dec 13	**39.7**
	Dec 12	**33.0**
	Dec 11	**34.4**
	Dec 10	**33**
	Dec 09	**23**
	Dec 08	**19**
	Jan 08	**20**
	Dec 06	**45**
	Dec 05	**53.8**
	Dec 04	**67**
	Dec 03	**97**
	Dec 02	**140**
	Jan 02	**33**
	Nov 00	**107**
	Dec 99	**81**
	Nov 98	**110**
	Sep 97	**42**
	Sep 96	**51.7**
	Sep 95	**54.7**
	Sep 94	**14.71**
	Mar 94	**72.2**

Attachment A
Nitrate Concentrations
Subject Site: Wedgworth's (Formerly Known as
"The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

Compounds		Nitrate (N)
units		mg/L
FDEP GCTL		**10**
NADC		**100**
Sample ID	**Date Sampled**	
DFN-5	Sept 24	**51**
	Dec 21	1.7
	Dec 17	0.023 U
	Dec 15	3.7
	Dec 14	0.76
	Dec 13	2.66
	Dec 12	6.41
	Dec 11	0.3
	Dec 10	4.7
	Dec 09	**54**
	Dec 08	**99**
	Jan 08	**48**
	Dec 06	**54**
	Dec 05	**69.5**
	Dec 04	**84**
	Dec 03	**70**
	Dec 02	**79**
	Jan 02	**25**
	Nov 00	**25**
	Dec 99	**15**
	Nov 98	**17**
	Sep 97	**17**
	Sep 96	**58.7**
	Sep 95	**40.5**
	Sep 94	**110.4**
	Mar 94	**71.2**

Attachment A
Nitrate Concentrations
Subject Site: Wedgworth's (Formerly Known as
"The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

Compounds		Nitrate (N)
units		mg/L
FDEP GCTL		**10**
NADC		**100**
Sample ID	**Date Sampled**	
DFE-6	Sept 24	**58**
	Dec 21	**31**
	Dec 17	**86**
	Dec 15	**68**
	Dec 14	**38.4**
	Dec 13	**26**
	Dec 12	**27.8**
	Dec 11	**12.9**
	Dec 10	**15**
	Dec 09	**11.7**
	Dec 08	**38**
	Jan 08	**32**
	Dec 06	**76**
	Dec 05	**89.1**
	Dec 04	**97**
	Dec 03	**82**
	Dec 02	**80**
	Jan 02	**67**
	Nov 00	**43**
	Dec 99	**19**
	Nov 98	**30**
	Sep 97	**19**
	Sep 96	**40.8**
	Sep 95	**46.4**
	Sep 94	**11.17**
	Mar 94	**68.9**

Attachment A
Nitrate Concentrations
Subject Site: Wedgworth's (Formerly Known as
"The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

Compounds		Nitrate (N)
units		mg/L
FDEP GCTL		**10**
NADC		**100**
Sample ID	**Date Sampled**	
DFW-7	Jul 24	**25**
	Dec 21	**41**
	Dec 17	**35**
	Dec 15	**26**
	Dec 14	**21.7**
	Dec 13	**36.4**
	Dec 12	**30.2**
	Dec 11	**14.8**
	Dec 10	**56**
	Dec 09	**72**
	Dec 08	**86**
	Jan 08	**60**
	Dec 06	**120**
	Dec 05	**41.3**
	Dec 04	**60**
	Dec 03	**70**
	Dec 02	**50**
	Jan 02	0.82
	Nov 00	**64**
	Dec 99	**43**
	Nov 98	**42**
	Sep 97	**53**
	Sep 96	**89**
	Sep 95	**97.9**
	Sep 94	**120.09**
	Mar 94	**96.7**

Attachment A
Nitrate Concentrations
Subject Site: Wedgworth's (Formerly Known as
"The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

Compounds		Nitrate (N)
units		mg/L
FDEP GCTL		**10**
NADC		**100**
Sample ID	**Date Sampled**	
DFS-8	Sept 24	**44**
	Dec 21	**27**
	Dec 17	7.5
	Dec 15	1.3
	Dec 14	<0.02
	Dec 13	Not Reported
	Dec 12	Not Reported
	Dec 11	**65.2**
	Dec 10	**46**
	Dec 09	**62**
	Dec 08	Not Sampled
	Jan 08	**49**
	Dec 06	**76**
	Dec 05	**19.5**
	Dec 04	**42**
	Dec 03	**100**
	Dec 02	**140**
	Jan 02	**55**
	Nov 00	**125**
	Dec 99	**35**
	Nov 98	**54**
	Sep 97	**25**
	Sep 96	**62.4**
	Sep 95	**40.4**
	Sep 94	**377.4**
	Mar 94	**102**

Attachment A
Nitrate Concentrations
Subject Site: Wedgworth's (Formerly Known as
"The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

Compounds		Nitrate (N)
units		mg/L
FDEP GCTL		**10**
NADC		**100**
Sample ID	**Date Sampled**	
DFCSW(SW-8")	Jul 24	0.020 U
	Dec 21	**18**
	Dec 17	**18 J3**
	Dec 15	2.6
	Dec 14	**19.6**
	Dec 13	**18.2**
	Dec 12	**22.4**
	Dec 11	**16.8**
	Dec 10	**16**
	Dec 09	Not Sampled
	Dec 08	**16**
	Jan 08	**14**
	Dec 06	**54**
	Dec 05	**69.8**
	Dec 04	**51**
	Dec 03	**37**
	Dec 02	**33**
	Jan 02	**72**
	Nov 00	**21**
	Dec 99	**16**
	Nov 98	**37**
	Sep 97	**20**
	Sep 96	**27.3**
	Sep 95	**16.7**
	Sep 94	**68.57**
	Mar 94	**30.6**

Attachment A
Nitrate Concentrations
Subject Site: Wedgworth's (Formerly Known as
"The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

Compounds		Nitrate (N)
units		mg/L
FDEP GCTL		**10**
NADC		**100**
Sample ID	**Date Sampled**	
DFOS (SW-6")	Jul 24	**15**
	Dec 21	**11**
	Dec 17	**22**
	Dec 15	2.1
	Dec 14	**11.6**
	Dec 13	**13.8**
	Dec 12	**15.2**
	Dec 11	**13.2**
	Dec 10	**14**
	Dec 09	**20**
	Dec 08	**23**
	Jan 08	**22**
	Dec 06	0.73
	Dec 05	**19.4**
	Dec 04	**34**
	Dec 03	**73**
	Dec 02	**42**
	Jan 02	**13**
	Nov 00	**14**
	Dec 99	**15**
	Nov 98	**23**
	Sep 97	**39**
	Sep 96	**161**
	Sep 95	**231**
	Sep 94	**81.05**
	Mar 94	Not Reported

Attachment A
Nitrate Concentrations
Subject Site: Wedgworth's (Formerly Known as
"The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

Compounds		Nitrate (N)
units		mg/L
FDEP GCTL		**10**
NADC		**100**
Sample ID	**Date Sampled**	
DFGES	Jul 24	0.32
	Dec 21	1.5
	Dec 17	Not Sampled
	Dec 15	< 0.02
	Dec 14	<0.02
	Dec 13	0.09
	Dec 12	<0.02
	Dec 11	0.06
	Dec 10	0.29
	Dec 09	0.27
	Dec 08	0.15
	Jan 08	< 0.02
	Dec 06	0.15
	Dec 05	0.18
	Dec 04	<0.10
	Dec 03	<0.10
	Dec 02	<0.1
	Jan 02	<0.02
	Nov 00	<0.02
	Dec 99	<0.02
	Nov 98	0
	Sep 97	0
	Sep 96	0.04
	Sep 95	0.13
	Sep 94	0.31
	Mar 94	0.01

Attachment A
Nitrate Concentrations
Subject Site: Wedgworth's (Formerly Known as
"The Andersons" and "Douglass Fertilizer and Chemical")
211 State Road 70 West
Lake Placid, Florida

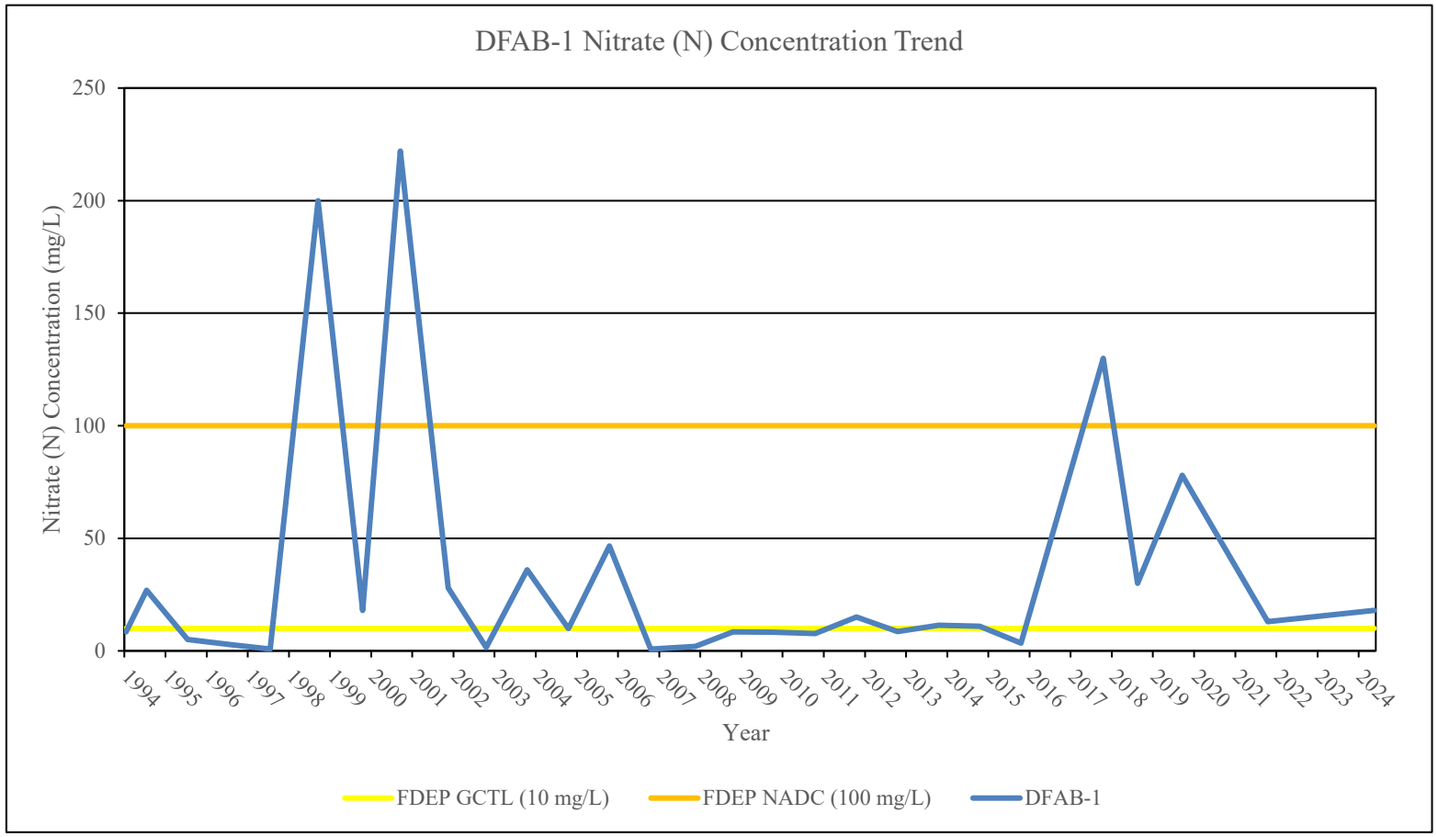
Compounds		Nitrate (N)
units		mg/L
FDEP GCTL		**10**
NADC		**100**
Sample ID	**Date Sampled**	
DFGEW	Dec 20	Not Sampled
	Dec 21	Not Sampled
	Dec 17	Not Sampled
	Dec 15	Not Reported
	Dec 14	**62.5**
	Dec 13	**109**
	Dec 12	0.2
	Dec 11	**104**
	Dec 10	**96**
	Dec 09	**116**
	Dec 08	**150**
	Jan 08	**133**
	Dec 06	Not Reported
	Dec 05	**119**
	Dec 04	**150**
	Dec 03	**150**
	Dec 02	**110**
	Jan 02	**120**
	Nov 00	**87**
	Dec 99	**132**
	Nov 98	**180**
	Sep 97	**180**
	Sep 96	**130**
	Sep 95	**79.6**
	Sep 94	**71.53**
	Mar 94	**76.6**

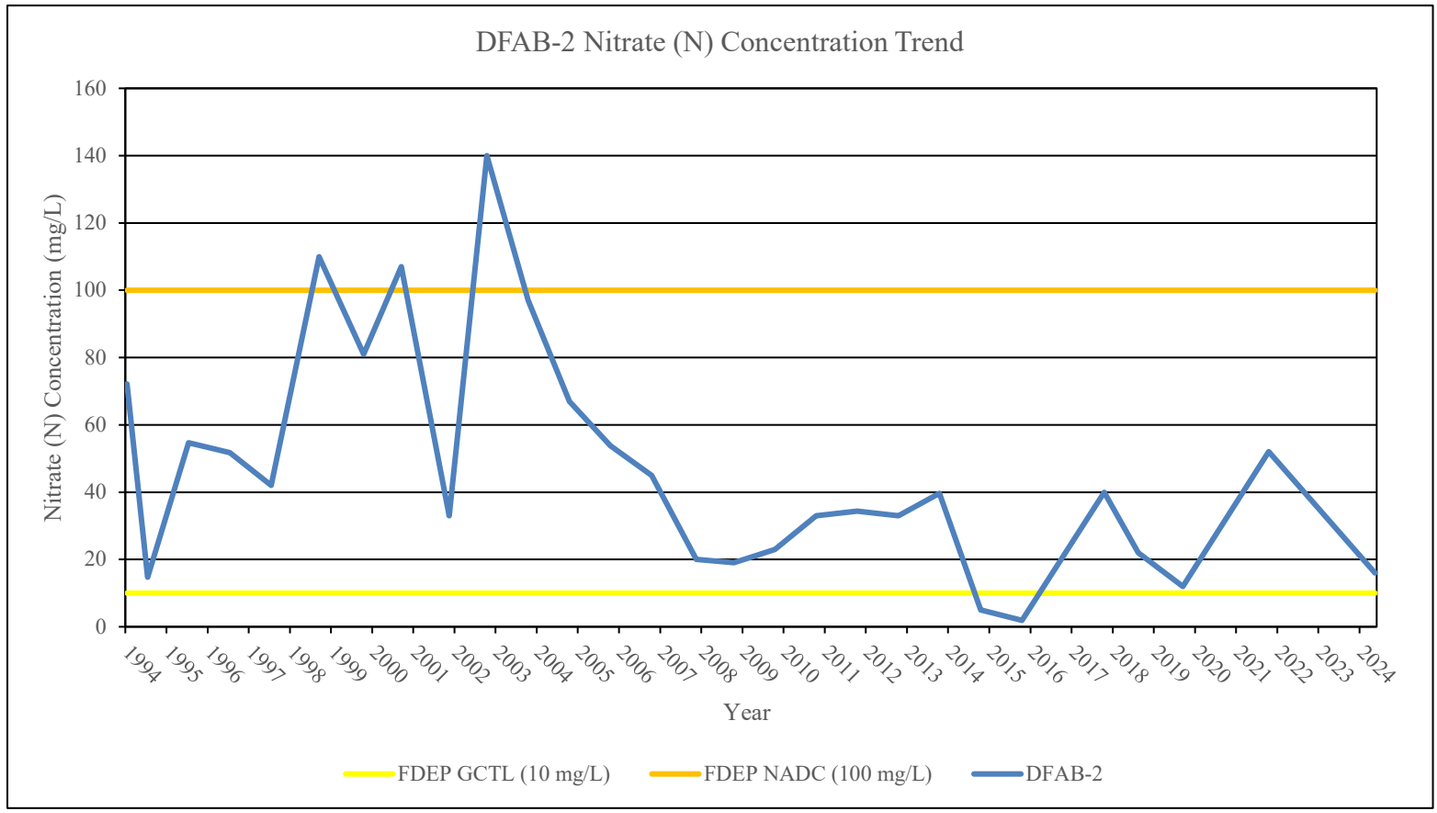
Notes:

1. Data collected Prior to 2017 was collected and reported to FDEP by others (see the "2015 Annual Monitoring Report" prepared by AECOM). Data collected in 2018 was collected by The Andersons Inc's environmental consultant, Ben Foster. 2017 and 2019 Data was collected by Geosyntec.

2. U = The compound was analyzed for but not detected.
3. J3 = Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Attachment A
Nitrate Concentration Trend Graphs

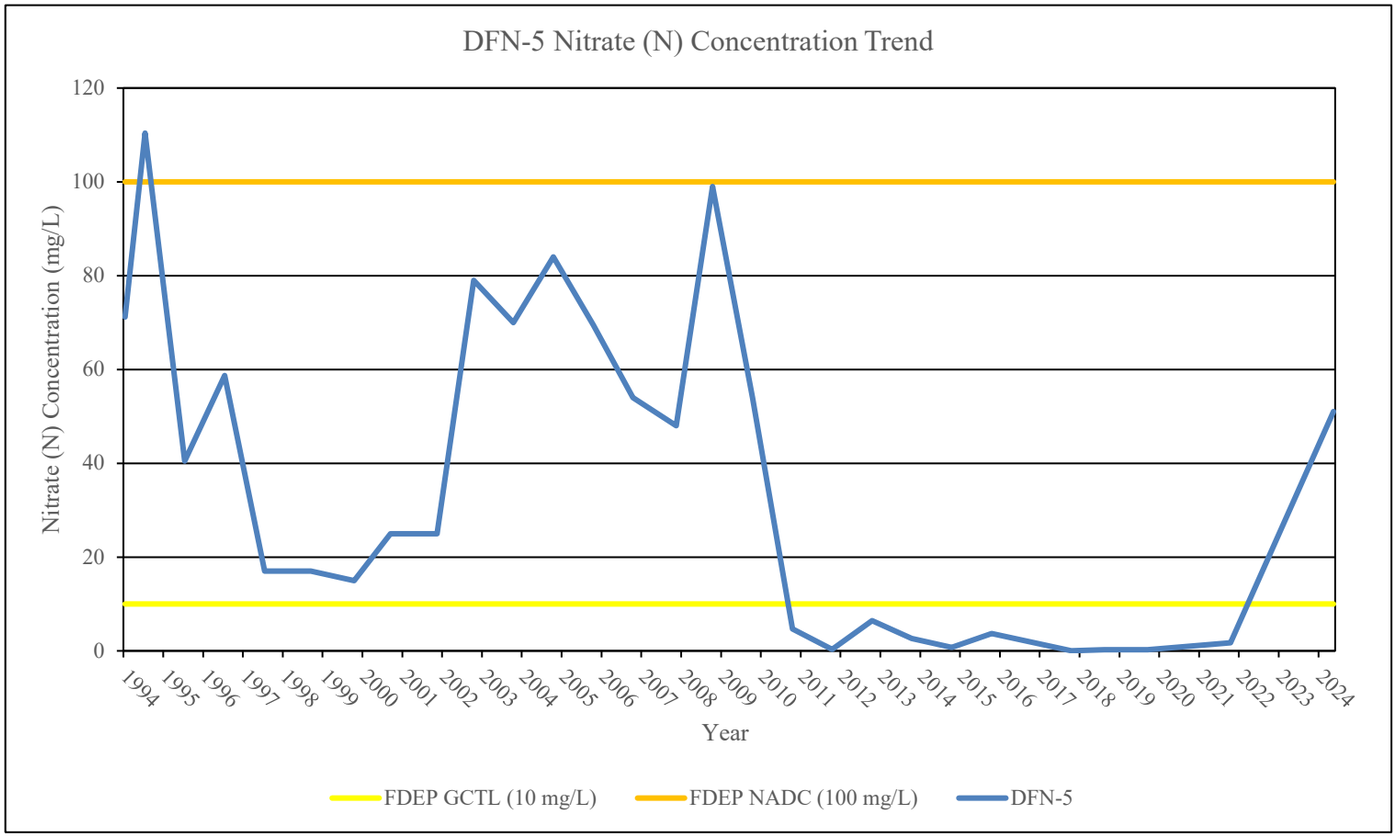


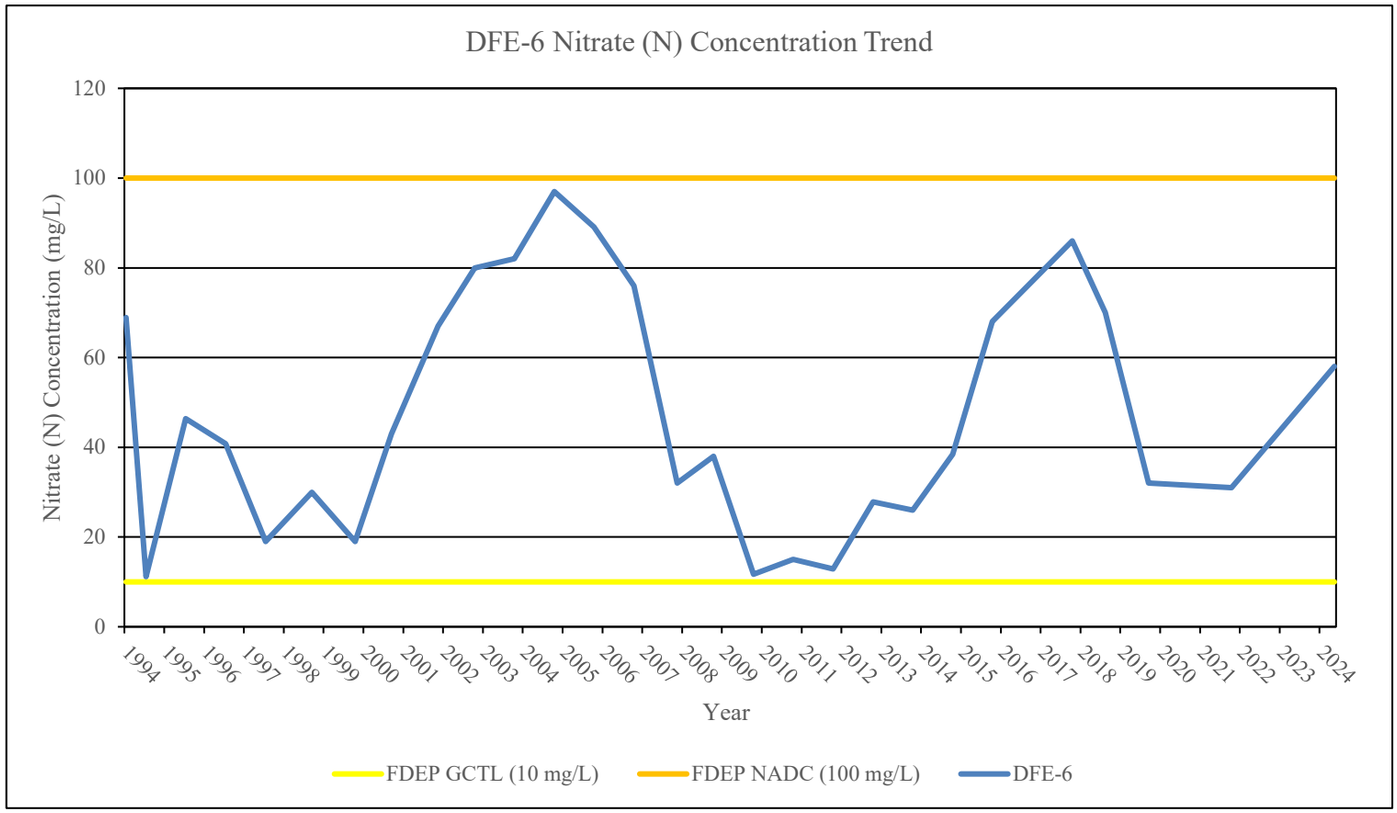


Notes:
1. FDEP = Florida Department of Environmental Protection
2. GCTL = Groundwater Cleanup Target Level Chapter 62-777 Florida Administrative Code (FAC) (2005)
3. NADC = Natural Attenuation Default Concentrations Chapter 62-777 FAC (2005)

Geosyntec consultants	**PROJECT NAME**	Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
Boca Raton, FL	**PROJECT NO.**	FR8500
	DATE	Sep-24

Attachment A
Nitrate Concentration Trend Graphs

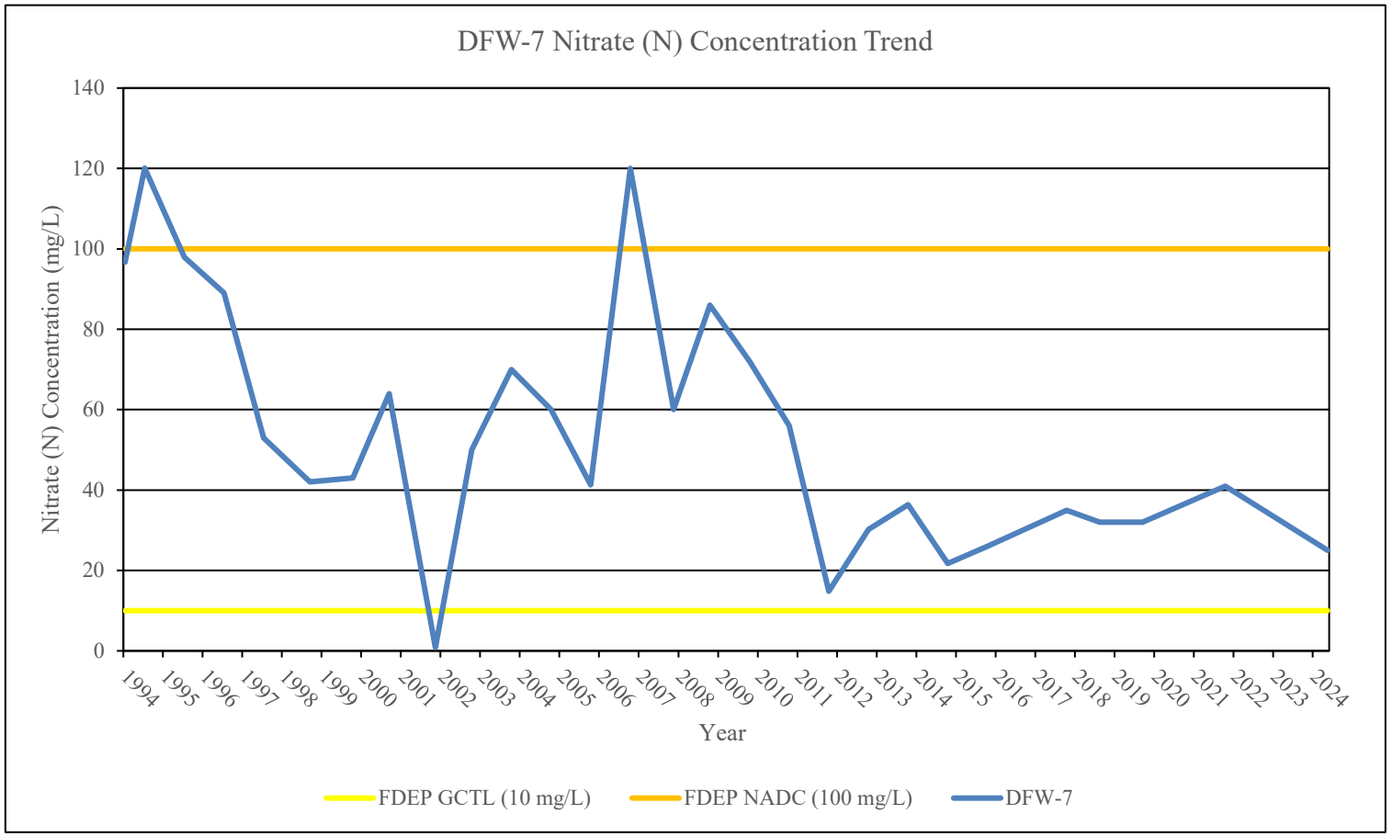


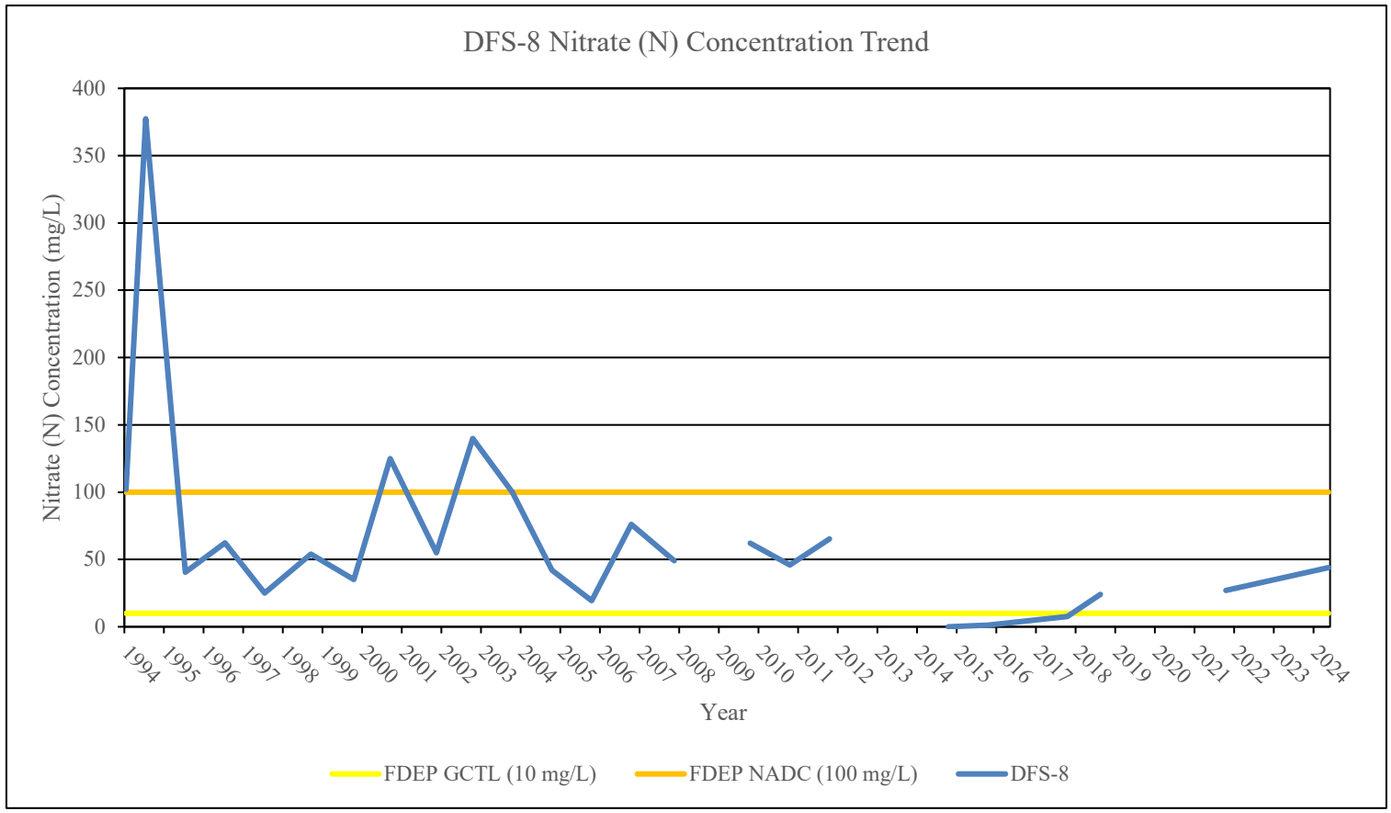


Notes:
1. FDEP = Florida Department of Environmental Protection
2. GCTL = Groundwater Cleanup Target Level Chapter 62-777 Florida Administrative Code (FAC) (2005)
3. NADC = Natural Attenuation Default Concentrations Chapter 62-777 FAC (2005)

Geosyntec consultants	**PROJECT NAME**	Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
Boca Raton, FL	**PROJECT NO.**	FR8500
	DATE	Sep-24

Attachment A
Nitrate Concentration Trend Graphs

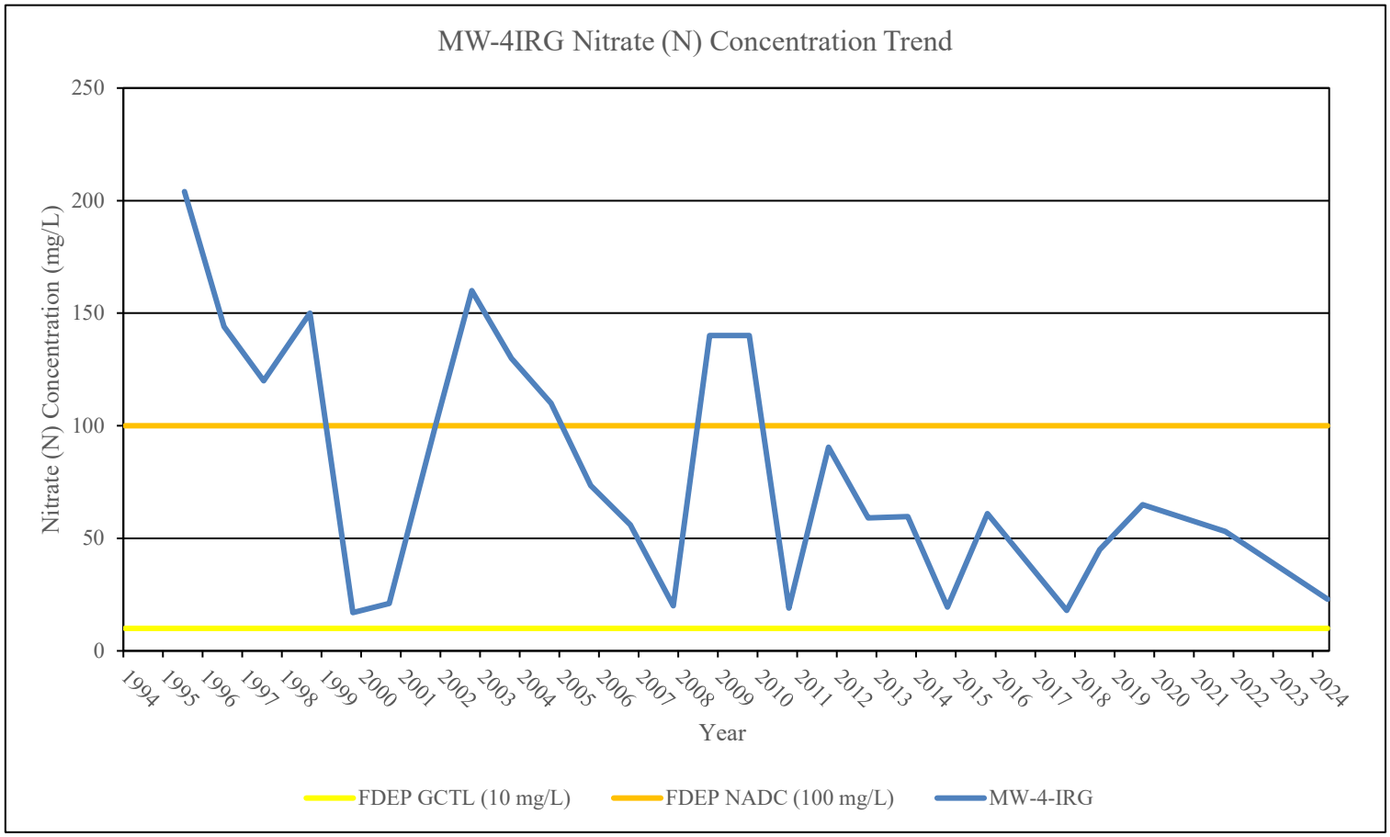


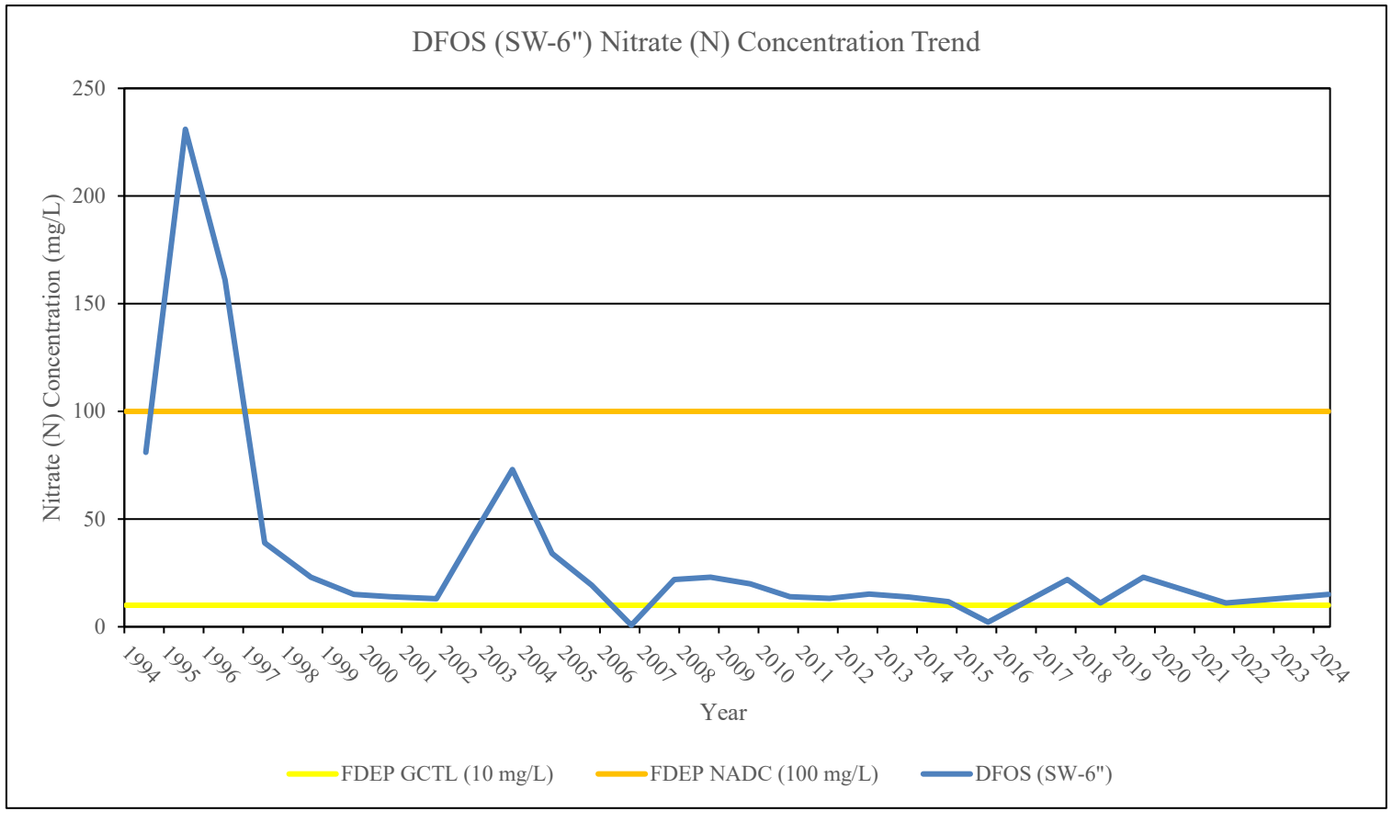


Notes:
1. FDEP = Florida Department of Environmental Protection
2. GCTL = Groundwater Cleanup Target Level Chapter 62-777 Florida Administrative Code (FAC) (2005)
3. NADC = Natural Attenuation Default Concentrations Chapter 62-777 FAC (2005)

Geosyntec consultants	**PROJECT NAME**	Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
Boca Raton, FL	**PROJECT NO.**	FR8500
	DATE	Sep-24

Attachment A
Nitrate Concentration Trend Graphs

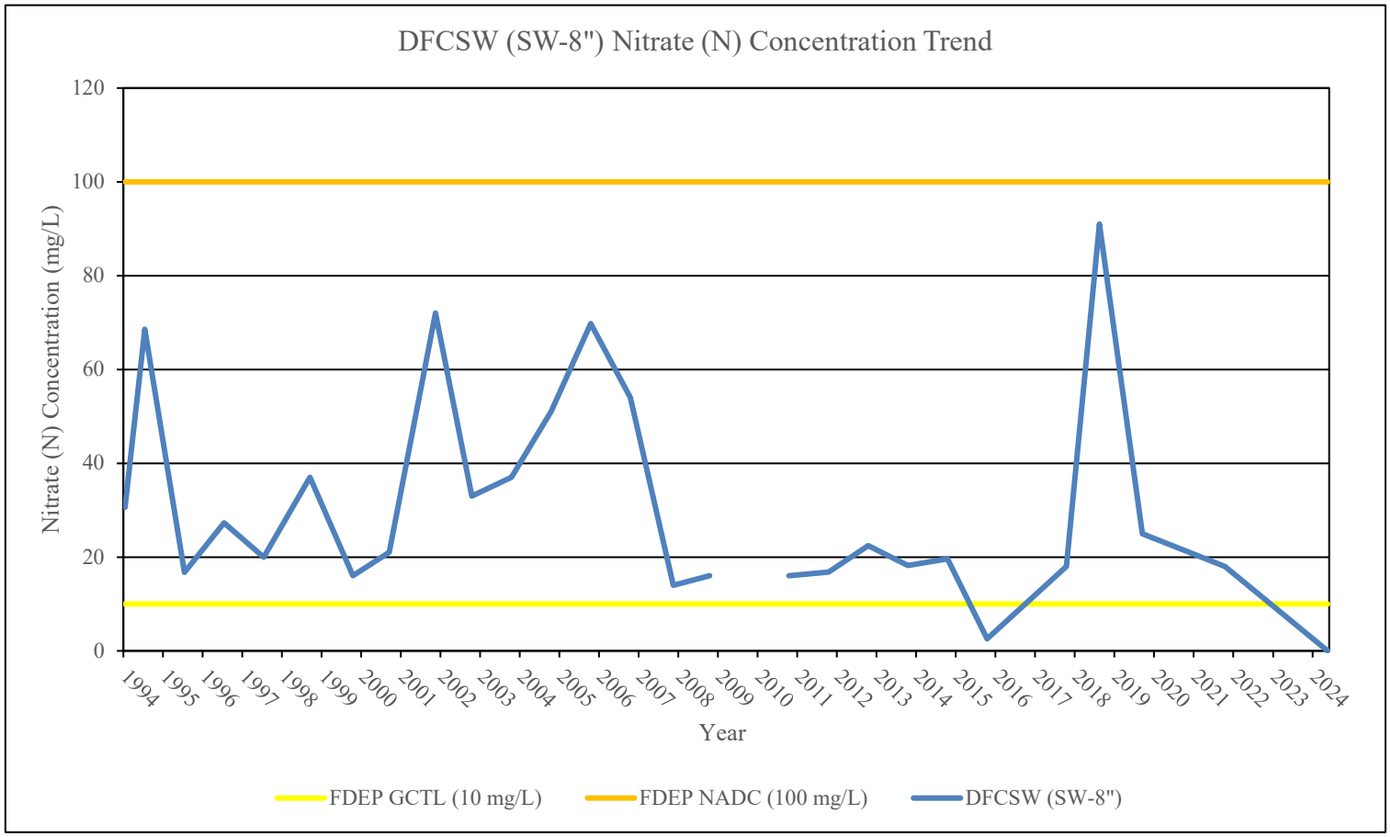


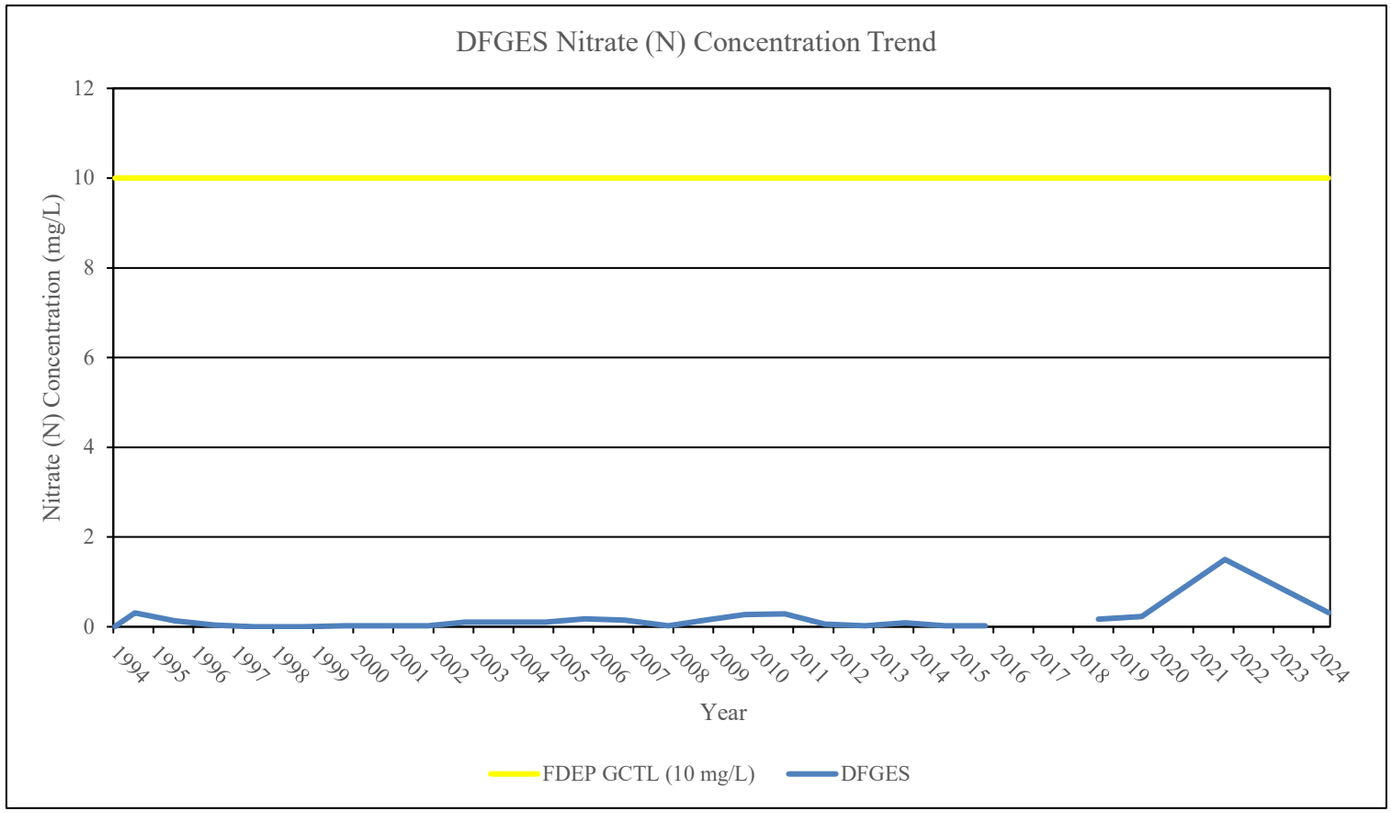


Notes:
1. FDEP = Florida Department of Environmental Protection
2. GCTL = Groundwater Cleanup Target Level Chapter 62-777 Florida Administrative Code (FAC) (2005)
3. NADC = Natural Attenuation Default Concentrations Chapter 62-777 FAC (2005)

Geosyntec consultants	**PROJECT NAME**	Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
Boca Raton, FL	**PROJECT NO.**	FR8500
	DATE	Sep-24

Attachment A
Nitrate Concentration Trend Graphs

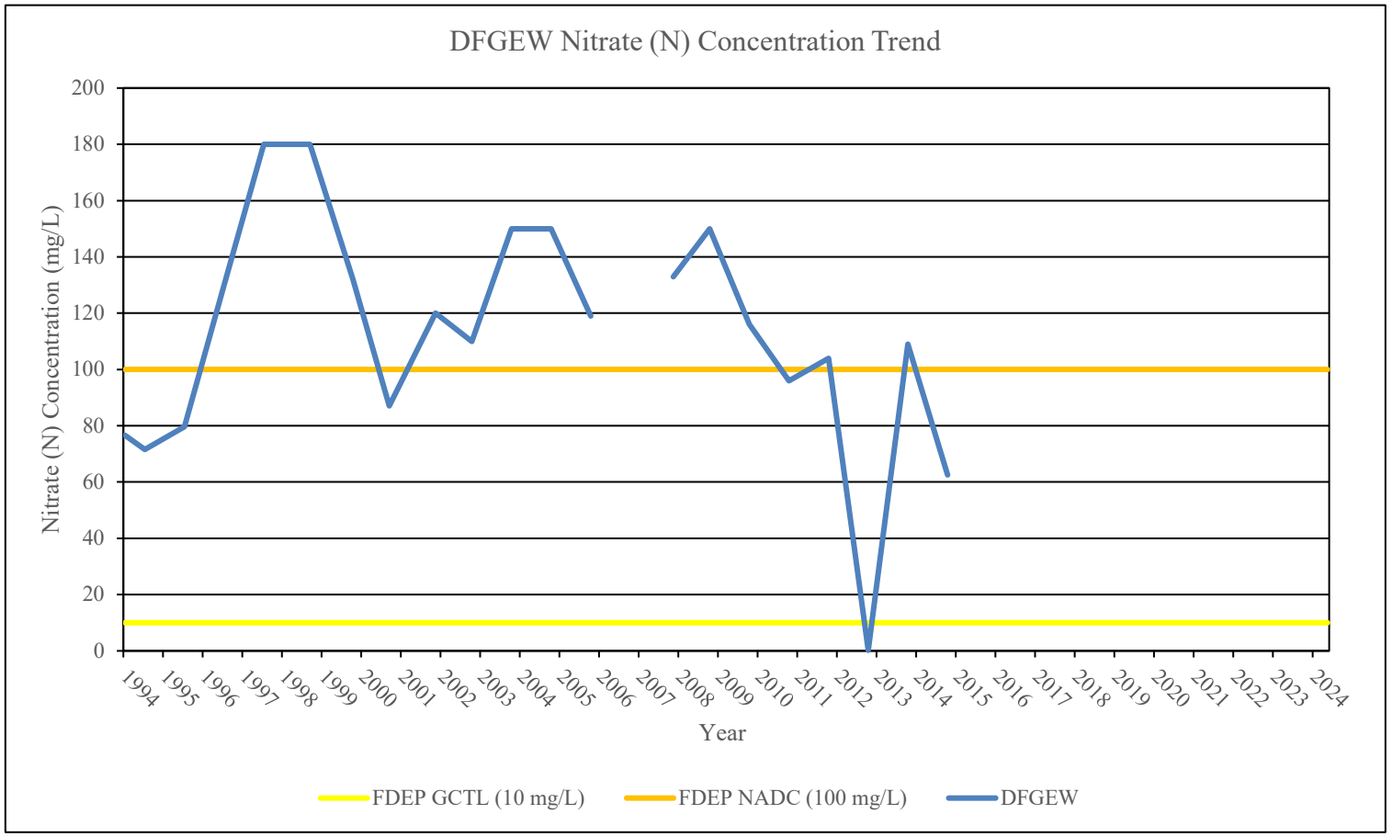




Notes:
1. FDEP = Florida Department of Environmental Protection
2. GCTL = Groundwater Cleanup Target Level Chapter 62-777 Florida Administrative Code (FAC) (2005)
3. NADC = Natural Attenuation Default Concentrations Chapter 62-777 FAC (2005)

Geosyntec consultants	**PROJECT NAME**	Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
Boca Raton, FL	**PROJECT NO.**	FR8500
	DATE	Sep-24

Attachment A
Nitrate Concentration Trend Graphs



Notes:
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2. GCTL = Groundwater Cleanup Target Level Chapter 62-777 Florida Administrative Code (FAC) (2005)
3. NADC = Natural Attenuation Default Concentrations Chapter 62-777 FAC (2005)

Geosyntec consultants	**PROJECT NAME**	Wedgworth's (Formerly Known as "The Andersons" and "Douglass Fertilizer and Chemical")
Boca Raton, FL	**PROJECT NO.**	FR8500
	DATE	Sep-24

ATTACHMENT B

GROUNDWATER SAMPLING LOGS

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Wedgworth Lake Placid	SITE	211 S.R. 70 West, Lake Placid, FL
WELL NO:	DFAB-1	SAMPLE ID:	DFAB-1
DATE:	7/9/24		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/4"	14 feet to 19 feet *	16.04'	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons SA

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (0.0026 gallons/foot X 34 feet) + 0.25 gallons = 0.34 gallons X3 = 1.02

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
31'	31'	14:58	15:20	1.76

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)	ORP (mV)
15:11	1.04	1.04	0.08	16.07	6.38	25.89	396	0.71	2.24	clear	91.5
15:14	0.24	1.28	0.08	16.07	6.30	25.87	398	0.63	2.08	↓	86.8
15:17	0.24	1.52	0.08	16.08	6.16	25.81	397	0.55	1.98		83.2
15:20	0.24	1.76	0.08	16.08	6.15	25.72	393	0.53	1.83	↓	79.4

SA

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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
SAM ABELSON / Geosyntec		15:21	15:24

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
31'	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
DFAB-1	1	PE	250mL	H_2SO_4	—	—	NOx	APP	~300
DFAB-1	1	PE	250mL	—	—	—	Nitrates	APP	~300

REMARKS: * tagged @ ~36'; assumed screen 10' (26-36)

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:	Wedgworth Lake Placid	SITE	211 S.R. 70 West, Lake Placid, FL
WELL NO:	DFAB-2	SAMPLE ID:	DFAB-2
DATE:	7/9/24		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/4"	14 feet to 19 feet *	20.33'	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet − feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) x3 = 1.02

= gallons + (0.0026 gallons/foot X 34 feet) + 0.25 gallons = 0.34 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
31'	31'	15:34	15:53	1.68

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)	ORP (mV)
15:47	1.04	1.04	0.08	20.33	6.02	26.65	766	0.42	6.22	clear	54.1
15:50	0.24	1.28	0.08	20.33	5.99	26.69	778	0.44	4.81	↓	56.9
15:53	0.24	1.52	0.08	20.34	5.97	26.70	783	0.44	4.36	↓	60.2

SA

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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
SAM ABELSON / GEOSYNTEC	Sam	15:54	15:57

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
31'	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N (replaced)) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
DFAB-2	1	PE	250mL	H_2SO_4	—	—	NOx	APP	~300
DFAB-2	1	PE	250mL	—	—	—	Nitrates	APP	~300

SA

REMARKS: * tagged @ ~36'; assumed screen 10' (26'-36')

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: ~~MW-1~~ SA Wedgworth Lake Placid	SITE 211 S.R. 70 West, Lake Placid, FL	
WELL NO: MW-4IRG	SAMPLE ID: MW-4IRG	DATE: 7/10/24

PURGING DATA

WELL DIAMETER (inches): NA	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: — feet to — feet	STATIC DEPTH TO WATER (feet): NA	PURGE PUMP TYPE OR BAILER: * NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (— feet – — feet) X — gallons/foot = — 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): NA	FINAL PUMP OR TUBING DEPTH IN WELL (feet): NA	PURGING INITIATED AT: 11:25	PURGING ENDED AT: 11:46	TOTAL VOLUME PURGED (gallons): 2.10

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)	ORP (mV)
11:40	1.50	1.50	0.10	NA	5.11	28.29	457	2.18	4.43	clear	137.9
11:43	0.30	1.80	0.10	↓	5.08	28.29	459	2.16	4.23	↓	140.6
11:46	0.30	2.10	0.10	↓	5.07	28.30	469	2.16	3.98	↓	144.1

SA

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: SAM ABELSON / GEOSYNTEC	SAMPLER(S) SIGNATURE(S): Sam	SAMPLING INITIATED AT: 11:47	SAMPLING ENDED AT: 11:49
PUMP OR TUBING DEPTH IN WELL (feet): NA	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-4IRG	1	PE	250mL	H_2SO_4	—	—	NOx	APP	~375
MW-4IRG	1	PE	250mL	—	—	—	Nitrates	APP	~375
~~MW-4IRG~~									

SA

REMARKS: * Sample port

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: Wedgworth's	SITE LOCATION: Lake Placid	
WELL NO: DFN-5	SAMPLE ID: DFN-5	DATE: 8 9/13/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 26 feet to 36 feet	STATIC DEPTH TO WATER (feet): 14.15	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~~) MG

= (36 feet – 14.15 feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= 0 gallons + (0.0026 gallons/foot X 31 feet) + 0.10 (x3) gallons = 0.54 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31'	PURGING INITIATED AT: 1026	PURGING ENDED AT: 1230	TOTAL VOLUME PURGED (gallons): 22.32

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)

MG

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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

MG

REMARKS:
Depth to bottom - 37.07' Purge rate ≈ 0.18 gpm

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: Wedgworth's	SITE LOCATION: Lake Placid, FL	
WELL NO: DFN-5	SAMPLE ID: DFN-5	DATE: 9/5/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 26 feet to 36 feet	STATIC DEPTH TO WATER (feet): 14.00	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) MG
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) (x3)
= 0 gallons + (0.0026 gallons/foot X 31 feet) + 0.10 gallons = 0.54 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31	PURGING INITIATED AT: 0751	PURGING ENDED AT: 0853	TOTAL VOLUME PURGED (gallons): 7.20

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)
0847	6.72	6.72	0.12	15.26	6.23	25.8	717	0.12	13.2	Clear	-247.7
0850	0.24	6.96	0.08	15.29	6.08	25.8	717	0.13	10.8	↓	-250.3
0853	0.24	7.20	0.08	15.31	6.10	25.9	716	0.12	8.77	↓	-264.8
									MG		

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: Mitch Guirard / Geo	SAMPLER(S) SIGNATURE(S): Mitch	SAMPLING INITIATED AT: 0853	SAMPLING ENDED AT: 0856
PUMP OR TUBING DEPTH IN WELL (feet): 31	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
DFN-5	1	PE	250mL	H_2SO_4	–	–	353.3	App	~300
↓	1	PE	250mL	–	–	–	353.2	↓	↓
								MG	

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:	Wedgworth's	SITE	Lake Placid	
WELL NO:	DFE-6	SAMPLE ID:	DFE-6	DATE: 9/5/24

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/4	26 feet to 36 feet	11.22	PP

WELL VOLUME PURGE: 1 **WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (feet – feet) X gallons/foot = MK gallons

EQUIPMENT VOLUME PURGE: 1 **EQUIPMENT VOL.** = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0 gallons + (0.0026 gallons/foot X 31 feet) + 0.10 gallons = 0.54 (x3) gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
31	31	0933	0955	1.76

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)	ORP (mV)
0943	0.80	0.80	0.08	11.32	6.05	25.5	572	0.17	2.31	clear	-243.5
0946	0.24	1.04	0.08	11.32	6.04	25.5	852	0.16	0.85		-119.6
0949	0.24	1.28	0.08	11.32	5.82	25.5	840	0.12	2.22		-175.1
0952	0.24	1.52	0.08	11.32	5.78	25.5	826	0.12	0.36		-188.3
0955	0.24	1.76	0.08	11.32	5.65	25.5	815	0.24	0.61		-190.6
										MK	

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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Mitch Guisad / Geo		0955	0958

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
31	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
DFE-6	1	PE	250mL	H_2SO_4	-	-	353.3	APP	~300
↓	1	PE	250mL	-	-	-	353.2	↓	↓
							MG		

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:	Wedgworth Lake Placid	SITE	211 S.R. 70 West, Lake Placid, FL	
WELL NO:	DFOS-6	SAMPLE ID:	DFOS-6	DATE: 7/10/24

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
6"	3/8"	25 feet to 125 feet	18.50	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet − feet) X gallons/foot = gallons SA

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) x3= 2.16

= gallons + (0.0006 gallons/foot X 78 feet) + 0.25 gallons = 0.72 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
75'	75'	10:35	11:03	2.80

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)	ORP (mV)
10:57	2.20	2.20	0.1	18.59	5.82	25.81	413	0.25	3.40	clear	70.5
11:00	0.30	2.50	0.1	18.60	5.80	25.84	415	0.24	3.11	↓	71.2
11:03	0.30	2.80	0.1	18.61	5.78	25.86	415	0.24	2.96	↓	70.3

SA

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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
SAM ABELSON / Geosyntec	Sam Abelson	11:04	11:07

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
75'	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
DFOS-6	1	PE	250mL	H_2SO_4	—	—	NOx	APP	~375
DFOS-6	1	PE	250mL	—	—	—	Nitrates	APP	~375

SA

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:	Wedgworth Lake Placid	SITE	211 S.R. 70 West, Lake Placid, FL		
WELL NO:	DFW-7	SAMPLE ID:	DFW-7	DATE:	7/9/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 26 feet to 36 feet	STATIC DEPTH TO WATER (feet): 17.27'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet − feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) x3: 1.36

= gallons + (0.0006 gallons/foot X 34 feet) + 0.25 gallons = 0.45 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31'	PURGING INITIATED AT: 13:26	PURGING ENDED AT: 13:46	TOTAL VOLUME PURGED (gallons): 2.00

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)	ORP (mV)
13:40	1.40	1.40	0.1	17.29	6.38	25.94	701	0.66	0.74	clear	52.3
13:43	0.30	1.70	0.1	17.30	6.40	25.89	709	0.62	0.69	↓	56.7
13:46	0.30	2.00	0.1	17.30	6.41	25.92	702	0.59	0.66	↓	62.4

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: SAM ABELSON/Geosyntec	SAMPLER(S) SIGNATURE(S): Sam	SAMPLING INITIATED AT: 13:47	SAMPLING ENDED AT: 13:49
PUMP OR TUBING DEPTH IN WELL (feet): 31'	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
DFW-7	1	PE	250mL	H_2SO_4	—	—	NOx	APP	~375
DFW-7	1	PE	250mL	—	—	—	Nitrates	APP	~375

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: Wadsworth's	SITE: Lake Placid, FL	
WELL NO: DFS-8	SAMPLE ID: DFS-8	DATE: 9/5/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 26 feet to 36 feet	STATIC DEPTH TO WATER (feet): 17.17	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) ML

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= 0 gallons + (0.0026 gallons/foot X 31 feet) + 0.10 gallons = 0.18 (x3) gallons 0.54

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31	PURGING INITIATED AT: 1035	PURGING ENDED AT: 1056	TOTAL VOLUME PURGED (gallons): 1.68

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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1047	0.96	0.96	0.08	17.23	4.31	25.7	631	0.16	0.57	Clear	-121.7
1050	0.24	1.20	0.08	17.23	4.65	25.7	630	0.16	2.22	↓	-155.6
1053	0.24	1.44	0.08	17.23	4.54	25.7	631	0.14	0.42		-130.1
1056	0.24	1.68	0.08	17.23	4.57	25.7	633	0.18	0.66		-160.5

ML

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: Mitch Guirard / GeoSolutions	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1056	SAMPLING ENDED AT: 1059
PUMP OR TUBING DEPTH IN WELL (feet): 31	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) replaced	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
DFS-8	1	PE	250mL	H_2SO_4	-	-	353.3	APP	~300
↓	1	PE	250mL	-	-	-	353.2	↓	↓
									ML

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:	Wedgworth Lake Placid	SITE	211 SR 70 West, Lake Placid, FL
WELL NO:	DFCSW-8	SAMPLE ID: DFCSW-8	DATE: 7/9/24

PURGING DATA

WELL DIAMETER (inches):	8"	TUBING DIAMETER (inches):	1/4"	WELL SCREEN INTERVAL DEPTH: – feet to – feet	STATIC DEPTH TO WATER (feet):	NA	PURGE PUMP TYPE OR BAILER: *	NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (— feet – — feet) X — gallons/foot = — 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):	NA	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	NA	PURGING INITIATED AT:	14:20	PURGING ENDED AT:	14:46	TOTAL VOLUME PURGED (gallons):	3.78

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)	ORP (mV)
14:40	2.94	2.94	0.14	NA	6.14	24.96	395	4.43	0.80	clear	111.2
14:43	0.42	3.36	0.14	↓	6.13	24.94	393	4.46	0.67	↓	115.6
14:46	0.42	3.78	0.14	↓	6.12	24.94	386	4.48	0.63	↓	119.2

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:	Sam Abelson/Geosyntec	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	14:47	SAMPLING ENDED AT:	14:49
PUMP OR TUBING DEPTH IN WELL (feet):	NA	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP Y (N)		TUBING Y (N (replaced))		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
DFCSW-8	1	PE	250mL	H_2SO_4	—	—	NOx	APP	~530
DFCSW-8	1	PE	250mL	—	—	—	Nitrates	APP	~530

REMARKS: * Sample Port

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: Wedgworth Lake Placid	SITE: 211 S.R. 70 West, Lake Placid, FL	
WELL NO: DFGES	SAMPLE ID: DFGES	DATE: 7/10/24

PURGING DATA

WELL DIAMETER (inches): NA	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: – feet to – feet	STATIC DEPTH TO WATER (feet): NA	PURGE PUMP TYPE OR BAILER: * NA

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (— feet – — feet) X — gallons/foot = — 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): NA	FINAL PUMP OR TUBING DEPTH IN WELL (feet): NA	PURGING INITIATED AT: 12:00	PURGING ENDED AT: 12:21	TOTAL VOLUME PURGED (gallons): 2.10

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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
12:15	1.50	1.50	0.10	NA	7.92	30.69	286	6.57	4.36	clear	-10.5
12:18	0.30	1.80	0.10	↓	7.95	30.65	285	6.50	4.01	↓	-12.9
12:21	0.30	2.10	0.10	↓	7.96	30.64	285	6.48	3.88	↓	-14.5

SA

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: SAM ABEGSON / Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:22	SAMPLING ENDED AT: 12:24
PUMP OR TUBING DEPTH IN WELL (feet): NA	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
DFGES	1	PE	250mL	H2SO4	—	—	NOx	APP	~375
DFGES	1	PE	250mL	—	—	—	Nitrates	APP	~375

SA

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

WATER LEVEL MEASUREMENTS

Site Name: Wedgworth Lake Placid
Location: Lake Placid, FL
Date: 7/9/24

Sampling Personnel: SA
Field Conditions: Sunny, 90°s F

Well ID	Time	TOC Elevation	Depth to Water (ft)	Well Depth (ft)	GW Elevation	Field Observations
DFW-7	11:56		17.27			
DFN-5	12:02		—			bent underground; can't take DTW
DFE-6	12:05		13.44			
DFS-8	12:12		19.31			
DFAB-2	12:25		20.33			
DFAB-1	12:32		16.05			
DFOS-6	13:03		18.47			

SA

ATTACHMENT C

LABORATORY ANALYTICAL REPORTS

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Cristina Graver
Geosyntec Consultants Inc
900 Broken Sound Pkwy
Suite 200
Boca Raton, Florida 33487

Generated 7/17/2024 1:20:03 PM

JOB DESCRIPTION

Wedgworth - Lake Placid, FL

JOB NUMBER

670-43149-1

Eurofins Orlando
481 Newburyport Avenue
Altamonte Springs FL 32701

See page two for job notes and contact information.

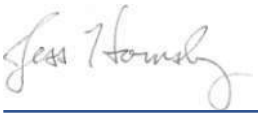
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
Jess Hornsby, Client Service Manager
Jess.Hornsby@et.eurofinsus.com
(321)280-2054

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-43149-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
670-43149-1	DFW-7	Water	07/09/24 13:47	07/10/24 09:20
670-43149-2	DFCSW-8	Water	07/09/24 14:47	07/10/24 09:20
670-43149-3	DFAB-1	Water	07/09/24 15:21	07/10/24 09:20
670-43149-4	DFAB-2	Water	07/09/24 15:54	07/10/24 09:20
670-43328-3	DFOS-6	Water	07/10/24 11:04	07/12/24 09:10
670-43328-4	MW-4IRG	Water	07/10/24 11:47	07/12/24 09:10
670-43328-5	DFGES	Water	07/10/24 12:22	07/12/24 09:10

Detection Summary

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-43149-1

Client Sample ID: DFW-7 — Lab Sample ID: 670-43149-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	25		0.040	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: DFCSW-8 — Lab Sample ID: 670-43149-2

No Detections.

Client Sample ID: DFAB-1 — Lab Sample ID: 670-43149-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	18		0.040	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: DFAB-2 — Lab Sample ID: 670-43149-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	16		0.040	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: DFOS-6 — Lab Sample ID: 670-43328-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	15		0.040	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: MW-4IRG — Lab Sample ID: 670-43328-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	23		0.040	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: DFGES — Lab Sample ID: 670-43328-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.32		0.040	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.24		0.040	0.020	mg/L	1		353.2	Total/NA

This Detection Summary does not include radiochemical test results.

Job ID: 670-43149-1 — Eurofins Orlando

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/10/2024 9:20 AM and 7/12/2024 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.3°C and 4.9°C.

Receipt Exceptions
The following samples were received with less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less: DFE-6 (670-43328-1) and DFS-8 (670-43328-2). As such, the laboratory had insufficient time remaining to perform the analysis within holding time. The client was contacted, and the laboratory was instructed to cancel analysis.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 670-43149-1
Project/Site: Wedgworth - Lake Placid, FL

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
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
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
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)
TNTC	Too Numerous To Count

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-43149-1

Client Sample ID: DFW-7

Date Collected: 07/09/24 13:47
Date Received: 07/10/24 09:20

Lab Sample ID: 670-43149-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**25**		0.040	0.020	mg/L			07/11/24 02:44	1
Nitrite as N (EPA 353.2)	0.020	U	0.040	0.020	mg/L			07/10/24 14:22	1

Client Sample Results

Client: Geosyntec Consultants Inc
Job ID: 670-43149-1
Project/Site: Wedgworth - Lake Placid, FL

Client Sample ID: DFCSW-8
Lab Sample ID: 670-43149-2

Date Collected: 07/09/24 14:47
Matrix: Water

Date Received: 07/10/24 09:20

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.020	U	0.040	0.020	mg/L			07/11/24 02:44	1
Nitrite as N (EPA 353.2)	0.020	U	0.040	0.020	mg/L			07/10/24 14:23	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-43149-1

Client Sample ID: DFAB-1

Date Collected: 07/09/24 15:21
Date Received: 07/10/24 09:20

Lab Sample ID: 670-43149-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**18**		0.040	0.020	mg/L			07/11/24 02:44	1
Nitrite as N (EPA 353.2)	0.020	U	0.040	0.020	mg/L			07/10/24 14:24	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-43149-1

Client Sample ID: DFAB-2

Date Collected: 07/09/24 15:54
Date Received: 07/10/24 09:20

Lab Sample ID: 670-43149-4

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**16**		0.040	0.020	mg/L			07/11/24 02:44	1
Nitrite as N (EPA 353.2)	0.020	U	0.040	0.020	mg/L			07/10/24 14:26	1

Client Sample Results

Client: Geosyntec Consultants Inc
Job ID: 670-43149-1
Project/Site: Wedgworth - Lake Placid, FL

Client Sample ID: DFOS-6
Date Collected: 07/10/24 11:04
Date Received: 07/12/24 09:10

Lab Sample ID: 670-43328-3
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**15**		0.040	0.020	mg/L			07/14/24 21:46	1
Nitrite as N (EPA 353.2)	0.020	U	0.040	0.020	mg/L			07/12/24 10:58	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-43149-1

Client Sample ID: MW-4IRG

Date Collected: 07/10/24 11:47
Date Received: 07/12/24 09:10

Lab Sample ID: 670-43328-4

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**23**		0.040	0.020	mg/L			07/14/24 21:46	1
Nitrite as N (EPA 353.2)	0.020	U	0.040	0.020	mg/L			07/12/24 10:59	1

Client Sample Results

Client: Geosyntec Consultants Inc
Job ID: 670-43149-1
Project/Site: Wedgworth - Lake Placid, FL

Client Sample ID: DFGES
Lab Sample ID: 670-43328-5
Date Collected: 07/10/24 12:22
Matrix: Water
Date Received: 07/12/24 09:10

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.32		0.040	0.020	mg/L			07/14/24 21:46	1
Nitrite as N (EPA 353.2)	0.24		0.040	0.020	mg/L			07/12/24 11:00	1

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 670-99758/7
Matrix: Water
Analysis Batch: 99758

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	0.020	U	0.040	0.020	mg/L			07/10/24 14:16	1

Lab Sample ID: LCS 670-99758/3
Matrix: Water
Analysis Batch: 99758

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N			0.750	0.735		mg/L		98	90 - 110		

Lab Sample ID: LCSD 670-99758/6
Matrix: Water
Analysis Batch: 99758

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N			0.750	0.718		mg/L		96	90 - 110	2	20

Lab Sample ID: 660-137083-F-1 MS
Matrix: Water
Analysis Batch: 99758

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	0.13	J3	0.750	0.126	J3	mg/L		0.1	90 - 110		

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-43149-1

General Chemistry

Analysis Batch: 99758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-43149-1	DFW-7	Total/NA	Water	353.2	
670-43149-2	DFCSW-8	Total/NA	Water	353.2	
670-43149-3	DFAB-1	Total/NA	Water	353.2	
670-43149-4	DFAB-2	Total/NA	Water	353.2	
MB 670-99758/7	Method Blank	Total/NA	Water	353.2	
LCS 670-99758/3	Lab Control Sample	Total/NA	Water	353.2	
LCSD 670-99758/6	Lab Control Sample Dup	Total/NA	Water	353.2	
660-137083-F-1 MS	Matrix Spike	Total/NA	Water	353.2	

Analysis Batch: 99859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-43149-1	DFW-7	Total/NA	Water	353.2	
670-43149-2	DFCSW-8	Total/NA	Water	353.2	
670-43149-3	DFAB-1	Total/NA	Water	353.2	
670-43149-4	DFAB-2	Total/NA	Water	353.2	

Analysis Batch: 100165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-43328-3	DFOS-6	Total/NA	Water	353.2	
670-43328-4	MW-4IRG	Total/NA	Water	353.2	
670-43328-5	DFGES	Total/NA	Water	353.2	

Analysis Batch: 100286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-43328-3	DFOS-6	Total/NA	Water	353.2	
670-43328-4	MW-4IRG	Total/NA	Water	353.2	
670-43328-5	DFGES	Total/NA	Water	353.2	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-43149-1

Client Sample ID: DFW-7
Date Collected: 07/09/24 13:47
Date Received: 07/10/24 09:20

Lab Sample ID: 670-43149-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			99758	07/10/24 14:22	AJ	EET ORL
Total/NA	Analysis	353.2		1			99859	07/11/24 02:44	T1Y	EET ORL

Client Sample ID: DFCSW-8
Date Collected: 07/09/24 14:47
Date Received: 07/10/24 09:20

Lab Sample ID: 670-43149-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			99758	07/10/24 14:23	AJ	EET ORL
Total/NA	Analysis	353.2		1			99859	07/11/24 02:44	T1Y	EET ORL

Client Sample ID: DFAB-1
Date Collected: 07/09/24 15:21
Date Received: 07/10/24 09:20

Lab Sample ID: 670-43149-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			99758	07/10/24 14:24	AJ	EET ORL
Total/NA	Analysis	353.2		1			99859	07/11/24 02:44	T1Y	EET ORL

Client Sample ID: DFAB-2
Date Collected: 07/09/24 15:54
Date Received: 07/10/24 09:20

Lab Sample ID: 670-43149-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			99758	07/10/24 14:26	AJ	EET ORL
Total/NA	Analysis	353.2		1			99859	07/11/24 02:44	T1Y	EET ORL

Client Sample ID: DFOS-6
Date Collected: 07/10/24 11:04
Date Received: 07/12/24 09:10

Lab Sample ID: 670-43328-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			100165	07/12/24 10:58	AJ	EET ORL
Total/NA	Analysis	353.2		1			100286	07/14/24 21:46	K1P	EET ORL

Client Sample ID: MW-4IRG
Date Collected: 07/10/24 11:47
Date Received: 07/12/24 09:10

Lab Sample ID: 670-43328-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			100165	07/12/24 10:59	AJ	EET ORL
Total/NA	Analysis	353.2		1			100286	07/14/24 21:46	K1P	EET ORL

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 670-43149-1
Project/Site: Wedgworth - Lake Placid, FL

Client Sample ID: DFGES
Date Collected: 07/10/24 12:22
Date Received: 07/12/24 09:10

Lab Sample ID: 670-43328-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			100165	07/12/24 11:00	AJ	EET ORL
Total/NA	Analysis	353.2		1			100286	07/14/24 21:46	K1P	EET ORL

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-43149-1

Method	Method Description	Protocol	Laboratory
353.2	Nitrate	EPA	EET ORL
353.2	Nitrogen, Nitrite	EPA	EET ORL

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 670-43149-1
Project/Site: Wedgworth - Lake Placid, FL

Laboratory: Eurofins Orlando

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-25

Eurofins Pandemic Prevention Services, Inc
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

242 - Ft Lauderdale

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Client Information	Sampler: SAM ABELSON	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-124606-33319.1
Client Contact: Ms. Cristina Graver	Phone: 617-763-6807	E-Mail: Jess.Hornsby@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:			Job #:
Address: 900 Broken Sound Pkwy Suite 200	Due Date Requested:			
City: Boca Raton	TAT Requested (days):			
State, Zip: FL, 33487	Compliance Project: Δ Yes Δ No			
Phone: 561-922-1087(Tel)	PO #: FE2964			
Email: cgraver@geosyntec.com	WO #:			
Project Name: Wedgworth - Lake Placid, FL	Project #: 66017255			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	353.2_Pres - NOx for Nitrate calculation	353.2_Nitrite - Nitrite for Nitrate calculation	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N		
DFW-7	7/9/24	13:47	G	Water			X	X		
DFGW-8		14:47		Water			X	X		
DFAB-1		15:21		Water			X	X		
DFAB-2		15:54		Water			X	X		
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

670-43149 Chain of Custody

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Sam	7/9/24 16:40	GEO			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 7/10/24	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.3/2.3 5gb

Eurofins Pandemic Prevention Services, Inc
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

242 - Ft Lauderdale

eurofins | Environment Testing

Client Information	Sampler: SAM ABELSON	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-124606-33319.1
Client Contact: Ms. Cristina Graver	Phone: 617-763-6877	E-Mail: Jess.Hornsby@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:			Job #:
Address: 900 Broken Sound Pkwy Suite 200	Due Date Requested:			
City: Boca Raton	TAT Requested (days):			
State, Zip: FL, 33487	Compliance Project: Δ Yes Δ No			
Phone: 561-922-1087(Tel)	PO #: FE2964			
Email: cgraver@geosyntec.com	WO #:			
Project Name: Wedgworth - Lake Placid, FL	Project #: 66017255			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	353.2_Pres - NOx for Nitrate calculation	353.2_Nitrite - Nitrite for Nitrate calculation	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N		
DFE-6	7/10/24	9:05	G	Water			X	X		
DFS-8		10:01		Water			X	X		
DFOS-6		11:04		Water			X	X		
MW-4IRG		11:47		Water			X	X		
DFGES		12:22		Water			X	X		
				Water						
				Water						
				Water						
				Water						
				Water						

670-43328 Chain of Custody

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Sam Abelson	7/10/24 14:00	GEO		7/12/24 0910	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		4.9/4.9

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 670-43149-1

Login Number: 43149
List Number: 1
Creator: Bittle, David W

List Source: Eurofins Orlando

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 670-43149-1

Login Number: 43328
List Number: 1
Creator: Hartley, Tyler

List Source: Eurofins Orlando

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Cristina Graver
Geosyntec Consultants Inc
900 Broken Sound Pkwy
Suite 200
Boca Raton, Florida 33487

Generated 9/10/2024 5:43:54 PM

JOB DESCRIPTION

Wedgworth - Lake Placid, FL

JOB NUMBER

670-46909-1

Eurofins Orlando
481 Newburyport Avenue
Altamonte Springs FL 32701

See page two for job notes and contact information.

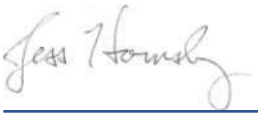
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
9/10/2024 5:43:54 PM

Authorized for release by
Jess Hornsby, Client Service Manager
Jess.Hornsby@et.eurofinsus.com
(321)280-2054

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Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-46909-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
670-46909-1	DFN-5	Water	09/05/24 09:08	09/05/24 14:50
670-46909-2	DFE-6	Water	09/05/24 09:55	09/05/24 14:50
670-46909-3	DFS-8	Water	09/05/24 10:56	09/05/24 14:50

Detection Summary

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-46909-1

Client Sample ID: DFN-5 — Lab Sample ID: 670-46909-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	51		0.040	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: DFE-6 — Lab Sample ID: 670-46909-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	58		0.040	0.020	mg/L	1		353.2	Total/NA

Client Sample ID: DFS-8 — Lab Sample ID: 670-46909-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	44		0.040	0.020	mg/L	1		353.2	Total/NA

This Detection Summary does not include radiochemical test results.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/5/2024 2:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 670-46909-1
Project/Site: Wedgworth - Lake Placid, FL

Qualifiers

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
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
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
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)
TNTC	Too Numerous To Count

Client Sample Results

Client: Geosyntec Consultants Inc
Job ID: 670-46909-1
Project/Site: Wedgworth - Lake Placid, FL

Client Sample ID: DFN-5
Lab Sample ID: 670-46909-1
Date Collected: 09/05/24 09:08
Matrix: Water
Date Received: 09/05/24 14:50

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**51**		0.040	0.020	mg/L			09/05/24 16:52	1
Nitrite as N (EPA 353.2)	0.020	U	0.040	0.020	mg/L			09/05/24 15:50	1

Client Sample Results

Client: Geosyntec Consultants Inc
Job ID: 670-46909-1
Project/Site: Wedgworth - Lake Placid, FL

Client Sample ID: DFE-6
Lab Sample ID: 670-46909-2
Date Collected: 09/05/24 09:55
Matrix: Water
Date Received: 09/05/24 14:50

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**58**		0.040	0.020	mg/L			09/05/24 16:52	1
Nitrite as N (EPA 353.2)	0.020	U	0.040	0.020	mg/L			09/05/24 15:51	1

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-46909-1

Client Sample ID: DFS-8

Date Collected: 09/05/24 10:56
Date Received: 09/05/24 14:50

Lab Sample ID: 670-46909-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**44**		0.040	0.020	mg/L			09/05/24 16:52	1
Nitrite as N (EPA 353.2)	0.020	U	0.040	0.020	mg/L			09/05/24 15:49	1

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 670-109588/7
Matrix: Water
Analysis Batch: 109588

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	0.020	U	0.040	0.020	mg/L			09/05/24 16:14	1

Lab Sample ID: LCS 670-109588/3
Matrix: Water
Analysis Batch: 109588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N			0.750	0.756		mg/L		101	90 - 110		

Lab Sample ID: LCSD 670-109588/6
Matrix: Water
Analysis Batch: 109588

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N			0.750	0.752		mg/L		100	90 - 110	1	20

Lab Sample ID: 185-1606-D-1 MS
Matrix: Water
Analysis Batch: 109588

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	0.021	I J3	0.000750	0.0209	I J3	mg/L		-13	90 - 110		

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-46909-1

General Chemistry

Analysis Batch: 109588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-46909-1	DFN-5	Total/NA	Water	353.2	
670-46909-2	DFE-6	Total/NA	Water	353.2	
670-46909-3	DFS-8	Total/NA	Water	353.2	
MB 670-109588/7	Method Blank	Total/NA	Water	353.2	
LCS 670-109588/3	Lab Control Sample	Total/NA	Water	353.2	
LCSD 670-109588/6	Lab Control Sample Dup	Total/NA	Water	353.2	
185-1606-D-1 MS	Matrix Spike	Total/NA	Water	353.2	

Analysis Batch: 109594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-46909-1	DFN-5	Total/NA	Water	353.2	
670-46909-2	DFE-6	Total/NA	Water	353.2	
670-46909-3	DFS-8	Total/NA	Water	353.2	

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-46909-1

Client Sample ID: DFN-5

Lab Sample ID: 670-46909-1

Date Collected: 09/05/24 09:08

Matrix: Water

Date Received: 09/05/24 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			109588	09/05/24 15:50	AT	EET ORL
Total/NA	Analysis	353.2		1			109594	09/05/24 16:52	VJW	EET ORL

Client Sample ID: DFE-6

Lab Sample ID: 670-46909-2

Date Collected: 09/05/24 09:55

Matrix: Water

Date Received: 09/05/24 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			109588	09/05/24 15:51	AT	EET ORL
Total/NA	Analysis	353.2		1			109594	09/05/24 16:52	VJW	EET ORL

Client Sample ID: DFS-8

Lab Sample ID: 670-46909-3

Date Collected: 09/05/24 10:56

Matrix: Water

Date Received: 09/05/24 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			109588	09/05/24 15:49	AT	EET ORL
Total/NA	Analysis	353.2		1			109594	09/05/24 16:52	VJW	EET ORL

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Wedgworth - Lake Placid, FL

Job ID: 670-46909-1

Method	Method Description	Protocol	Laboratory
353.2	Nitrate	EPA	EET ORL
353.2	Nitrogen, Nitrite	EPA	EET ORL

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 670-46909-1
Project/Site: Wedgworth - Lake Placid, FL

Laboratory: Eurofins Orlando

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-25

Eurofins Orlando
481 Newburyport Avenue
Altamonte Springs, FL 32701
Phone: 407-339-5984 Fax: 407-260-6110

Chain of Custody Record

242 - Ft Lauderdale

eurofins | Environment Testing

Client Information	Sampler: Mitch Guirard	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-125695-33319.1
Client Contact: Ms. Cristina Graver	Phone: (561) 886-3209	E-Mail: Jess.Hornsby@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:			Job #:
Address: 900 Broken Sound Pkwy Suite 200	Due Date Requested:			
City: Boca Raton	TAT Requested (days):			
State, Zip: FL, 33487	Compliance Project: Δ Yes Δ No			
Phone: 561-922-1087(Tel)	PO #: FE2964			
Email: cgraver@geosyntec.com	WO #:			
Project Name: Wedgworth - Lake Placid, FL	Project #: 66017255			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	353.2_Pres - NOx for Nitrate calculation	353.2_Nitrite - Nitrite for Nitrate calculation	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N		
DFN-5	9/5/24	0853	G	Water	N		X	X		
DFE-6	↓	0955	↓	Water			X	X		
DFS-8	↓	1056	↓	Water			X	X		
				Water						
				Water						
	NU									

670-46909 Chain of Custody

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mitch Guirard	9/5/24 1450	GEO		9.5.24 1450	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2/2.2

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 670-46909-1

Login Number: 46909
List Number: 1
Creator: Lavardera, Angelina

List Source: Eurofins Orlando

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Map ID 24 –Chevron #48021
(Former 27 Truck Stop)
2758 US 27 South

Level II Impact to Construction Report

State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No.: 439827-1-C2-32

Submitted to:
Florida Department of Transportation, District 1
801 North Broadway Avenue
Bartow, Florida 33831-1249

Submitted by:
NorthStar Contracting Group, Inc.
2760 S. Falkenburg Road
Riverview, Florida 33578
Telephone: (813) 684-4400

January 2021

Level II Impact to Construction Report

State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
Contract No.: BEA33
FDOT Financial Project No.: 439827-1-C2-32
NorthStar Project No.: 4020342

Prepared by: _____ Date: 1/28/21
Geoff Ferlita
Staff Scientist

Reviewed by: _____ Date: 1-28-21
Philip L. Glover, PG, LEP
Senior Geologist I

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FIGURES

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E Photographs

EXECUTIVE SUMMARY

NorthStar Contracting Group, Inc. (NorthStar) was tasked with conducting a Level II Impact to Construction Assessment for the Florida Department of Transportation's (FDOT) State Road (SR) 25 (US 27) from South of SR 70 to North of SR 70 project corridor in Lake Placid, Highlands County, Florida. Project plans propose improvements including drainage upgrades, signalization enhancements, lighting upgrades, directional borings and trenches for electrical lines, plus minor widening and turnout construction. The project corridor consists of commercial and agricultural properties.

Based on the site locations in relation to the proposed construction and previous assessment data, two (2) potentially contaminated sites were identified for further assessment. As such, NorthStar was tasked with investigating the following:

- Site 1: Chevron #48021 (Facility ID No. 9046139), 2758 US 27 South, Lake Placid, Highlands County, Florida, Station 222+00 RT to 102+00 RT; and
- Site 2: Circle K #2707451 (Facility ID No. 8519614), 2742 US 27 South, Lake Placid, Highlands County, Florida, Station 222+00 LT to 102+00 LT.

Based on the results of the Level II assessment as discussed in Section 3, there are no apparent environmental impacts to the soil or groundwater within the FDOT right-of-way (ROW) at Site 1: Chevron #48021. Soil screening did not reveal any contamination within the FDOT ROW.

Based on the results of the Level II assessment as discussed in Section 3, there are no apparent environmental impacts to the soil or groundwater within the FDOT ROW at Site 2: Circle K #2707451. Soil screening and laboratory analysis of soils and groundwater did not reveal any contamination within the FDOT ROW. However, because this site is a petroleum-contaminated site according to the Florida Department of Environmental Protection (FDEP), there are contamination impacts related to dewatering. This may require additional FDEP coordination, permitting, and effluent treatment if dewatering activities are performed within 500 feet of this facility. If dewatering is unnecessary, there are no known contamination concerns within the FDOT ROW at this site.

A full range of analytical sampling procedures was not implemented at the sample locations referenced in this report. The focus of this investigation was to identify areas of suspected petroleum or metals contamination. Representative samples of subsurface conditions were indicative of each discrete sampling location only. Therefore, it is possible for contamination to be present but remain undetected at any point between or adjacent to the sampling points targeted during this investigation. If undocumented contamination is encountered during construction, FDOT's Standard Specifications for Road and Bridge Construction, section 120-1.2, will be followed.

1.0 INTRODUCTION

According to the June 4, 2020 Contamination Memorandum, the FDOT construction plans propose improvements including drainage upgrades, signalization enhancements, lighting upgrades, directional borings and trenches for electrical lines, plus minor widening and turnout construction. The Site Vicinity Map (**Figure 1**) presents the project corridor location.

Based on the site locations in relation to proposed construction and previous assessment data, the following two (2) potentially contaminated sites were identified for further assessment:

- Site 1: Chevron #48021 (Facility ID No. 9046139), 2758 US 27 South, Lake Placid, Highlands County, Florida, Station 222+00 RT to 102+00 RT; and
- Site 2: Circle K #2707451 (Facility ID No. 8519614), 2742 US 27 South, Lake Placid, Highlands County, Florida, Station 222+00 LT to 102+00 LT.

NorthStar was tasked under Letter of Authorization (LOA) 4 to contract BEA33 to prepare a Level II Impact to Construction Report for the SR 25 (US 27) from South of SR 70 to North of SR 70 project corridor in Lake Placid, Highlands County, Florida. The main purposes of this investigation were to locate areas along the existing roadway where petroleum contamination may have occurred and to make the FDOT and its contractors aware of any potential contamination impacts during construction along this planned section of the project area. The efforts of the Level II assessment are intended to limit delays to the project construction schedule and limit exposure of the contractor personnel to any contaminated media. The sampling locations were selected based on information provided in the June 4, 2020 Contamination Memorandum provided by FDOT as well as the most current information obtained from the FDEP's OCULUS database.

1.1 Scope of Services

FDOT requested that Level II assessment activities be performed at the sites mentioned above with the results to be summarized in a Level II Impact to Construction Report.

The general scope of services for these sites was provided under LOA 4, dated September 21, 2020 (**Appendix A**). The proposed scope included the preparation of a health and safety plan (**Appendix B**), the potential collection of soil and groundwater samples at selected locations in the vicinity of proposed construction features, laboratory analysis of collected samples and the preparation of a Level II Impact to Construction Report.

2.0 LEVEL II ASSESSMENT METHODOLOGY

2.1 Quality Assurance

All soil sampling performed by NorthStar during the Level II assessment was conducted in general accordance with the FDEP Standard Operating Procedures (SOP) for Field Activities (FDEP SOP-001/01), updated April 16, 2018.

2.2 Soil Investigation Methodology

On November 4, 2020, NorthStar personnel conducted white-lining activities across the project corridor. This was necessary to mark the proposed soil boring locations for the utility locators. The soil boring locations were then called into Sunshine One-Call of Florida to notify the utility locators prior to soil boring advancement activities.

On November 18, 2020 NorthStar personnel conducted soil sampling activities in the vicinity of the potentially contaminated sites. Based on the size of the potentially contaminated sites and the proposed construction plans, four (4) soil borings were advanced at Site 1 and four (4) soil borings were advanced at Site 2 (**Figure 2**).

Soil boring locations across the project corridor were selected based on the relative position of proposed construction features to potentially contaminated sites, as identified in the Contamination Memorandum and the most current data in the FDEP's OCULUS database. The proposed soil borings were advanced to the maximum depth of construction or to the groundwater table, whichever was encountered first. The soils were screened with an organic vapor analyzer (OVA) equipped with a photoionization detector (PID) from land surface to 0.5 feet below land surface (ft bls) and at every 1 foot thereafter to 1 foot below maximum depth of construction or to the groundwater table, whichever was encountered first. Soil samples for laboratory analysis were collected from each soil boring as a composite sample of the entire borehole from land surface to the total depth of the soil boring above the groundwater table.

Soil samples selected for laboratory analysis were analyzed by the parameters listed in LOA 4 and in Section 3, below. The laboratory analytical results are included in **Appendix C**.

2.3 Groundwater Investigation Methodology

On November 18, 2020, NorthStar personnel conducted groundwater sampling activities at temporary monitor well Site 2 TMW-2.

The temporary monitor well was installed at soil boring Site 2 SB-2, based on the OVA readings and the proximity to underground storage tanks at that soil boring location. The location of temporary monitor well is presented on **Figure 2.** The temporary monitor well was constructed of two (2) 5-foot sections of 1-inch inside diameter, Schedule 40 polyvinyl chloride (PVC),

0.010-inch machine slotted screen with a 20/30-graded, clean sand filter pack, and two (2) 5-foot sections of 1-inch inside diameter Schedule 40 PVC riser.

The well was purged prior to groundwater sample collection using a variable speed peristaltic pump and dedicated polyethylene tubing in general accordance with the FDEP SOP for groundwater sampling (DEP-SOP-001/01, FS2200, updated on April 16, 2018). Using a decontaminated electronic probe, the depth to groundwater in each well was measured to determine the water column in the well. The height of the water column was calculated by subtracting the depth to the top of the water from the total well length. The total volume of water in the well was then calculated using the equation and well capacity data provided on the FDEP Groundwater Sampling Log (Form FD 9000-24).

A minimum of one (1) well volume was purged prior to collecting measurements of the indicator parameters (temperature, pH, specific conductance, dissolved oxygen, and turbidity) using a portable *YSI Professional Plus* Multiprobe System and a *HACH 2100Q* Turbidity Meter. Once field parameters met stabilization criteria according to the FDEP SOP, indicating the completion of purging activities, a groundwater sample was collected.

NorthStar collected one (1) groundwater sample from the temporary monitor well (Site ID: Site 2 TMW-2) for laboratory analyses, in accordance with FDEP sampling protocols and as outlined in the Scope of Services. The groundwater sample was submitted to the laboratory, to be analyzed for site-specific constituents of concern, as described in LOA 4 and in Section 3, below. The laboratory analytical results are included in **Appendix C**.

3.0 LEVEL II ASSESSMENT RESULTS

3.1 Site 1: Chevron #48021
2758 US 27 South
Lake Placid, Highlands County, Florida
FDEP Facility ID No. 9046139
Station 220+00 RT to 102+00 RT

3.1.1 Soil Investigation
On November 18, 2020, NorthStar personnel advanced four (4) soil borings in the vicinity of Site 1 **(Figure 2)**. All four (4) soil borings were advanced to the groundwater table (SB-1 – 14 ft bls, SB-2 – 14 ft bls, SB-3 – 14 ft bls and SB-4 – 14.5 ft bls). The maximum OVA/PID reading of 0.5 parts per million (ppm) was recorded at soil boring Site 1 SB-1 **(Table 1)**. As per LOA 4, because OVA readings did not exceed 10 ppm, and there were no visual or olfactory indicators of contamination, soil samples were not collected for laboratory analysis.

Soil boring logs are included as **Appendix D.** Photographs of the soil sampling activities at Site 1 are included as Photographs 1-3 in **Appendix E**.

3.1.2 Groundwater Investigation
Although construction may reach greater depths than the soil borings advanced at Site 1, there were no signs of contamination in either the soil or the groundwater interface. As such, a groundwater sample was not necessary.

3.1.3 Impacts to Construction
Based on the soil screening results, there are no apparent environmental impacts to construction in the FDOT ROW. Soil screening of soils did not reveal any contamination within the FDOT ROW. No viable groundwater monitor wells were noted within the FDOT ROW.

3.2 Site 2: Circle K #2707451
2742 US 27 South
Lake Placid, Highlands County, Florida
FDEP Facility ID No. 8519614
Station 220+00 LT to 102+00 LT

3.2.1 Soil Investigation
On November 18, 2020, NorthStar personnel advanced four (4) soil borings in the vicinity of Site 2 **(Figure 2)**. All four (4) soil borings were advanced to the groundwater table (SB-1 – 16 ft bls, SB-2 – 16 ft bls, SB-3 – 15 ft bls and SB-4 – 14 ft bls). The highest OVA/PID reading was 7.2 ppm, which was encountered at Site 2 SB-2 **(Table 1)**. As per LOA 4, one (1) composite soil

sample was collected from each soil boring, from land surface to the total depth of the borehole above the groundwater table (sample IDs: Site 2 SB-1, Site 2 SB-2, Site 2 SB-3 and Site 2 SB-4). Soil sample Site 2 SB-2 was submitted to Jupiter to be analyzed for benzene, toluene, ethylbenzene, total xylenes and methyl tert-butyl ether (BTEX+MTBE) and polynuclear aromatic hydrocarbons (PAH).

The laboratory analytical results for soil sample Site 2 SB-2 indicated that all analyzed parameters were either below their respective Soil Cleanup Target Levels (SCTLs) or were not detected by the laboratory. The laboratory analytical results are summarized in **Table 2**. Based on these results, the remaining soil samples were not analyzed at the laboratory.

The benzo(a)pyrene conversion table, laboratory report and chain-of-custody record are included in **Appendix C**. The soil boring logs are included in **Appendix D**. Photographs of the soil sampling activities at Site 2 are included as Photographs 4 and 5 in **Appendix E**.

3.2.2 Groundwater Investigation

One (1) temporary monitor well (Site 2 TMW-2) was installed at soil boring Site 2 SB-2, utilizing a direct-push rig to a depth of approximately 20 ft bls (**Figure 2**). Static depth to water was measured at a depth of 14.37 ft bls. A groundwater sample (sample ID: Site 2 TMW-2) was collected from the temporary monitor well on November 18, 2020, which was submitted to Jupiter to be analyzed for BTEX+MTBE and PAH.

The laboratory analytical results for groundwater sample Site 2 TMW-2 indicated that all analyzed parameters were either below their respective Groundwater Cleanup Target Levels (GCTLs) or were not detected by the laboratory.

Copies of the FDEP Groundwater Sampling Logs and instrument calibration records are provided in **Appendix D**. A photograph of the temporary monitor well advancement at Site 2 is included as Photograph 6 in **Appendix E**.

3.2.3 Impacts to Construction

Based on the soil and groundwater analytical results, there are no apparent environmental impacts to construction within the FDOT ROW at Site 2: Circle K #2707451. However, because this site is a petroleum-contaminated site according to the FDEP, there are contamination impacts related to dewatering. This may require additional FDEP coordination, permitting, and effluent treatment if dewatering activities are performed within 500 feet of this facility. If dewatering is unnecessary, there are no known contamination concerns within the FDOT ROW at this site. No viable groundwater monitor wells were noted within the FDOT ROW.

4.0 CONCLUSIONS AND RECOMMENDATIONS

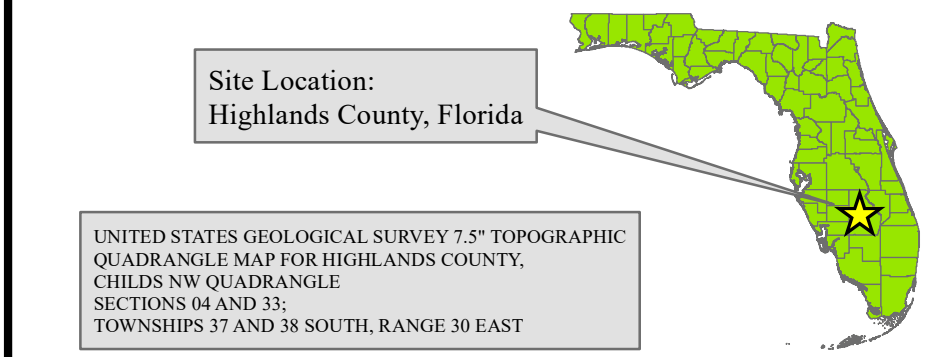
Based on the results of the Level II assessment as discussed in Section 3, there are no apparent environmental impacts to construction within the FDOT ROW at Site 1: Chevron #48021. Soil screening of soils did not reveal any contamination within the FDOT ROW. Additionally, no viable groundwater monitor wells were noted within the FDOT ROW.

Based on the results of the Level II assessment as discussed in Section 3, there are no apparent environmental impacts to the soil or groundwater within the FDOT ROW at Site 2: Circle K #2707451. Soil screening and laboratory analysis of soils and groundwater did not reveal any contamination within the FDOT ROW. However, because this site is a petroleum-contaminated site according to the FDEP, there are contamination impacts related to dewatering. This may require additional FDEP coordination, permitting, and effluent treatment if dewatering activities are performed within 500 feet of this facility. If dewatering is unnecessary, there are no known contamination concerns within the FDOT ROW at this site. No viable groundwater monitor wells were noted within the FDOT ROW.

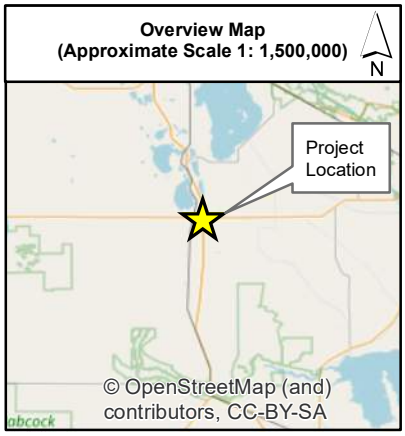
Photographs of the Level II assessment activities are included in **Appendix E**.

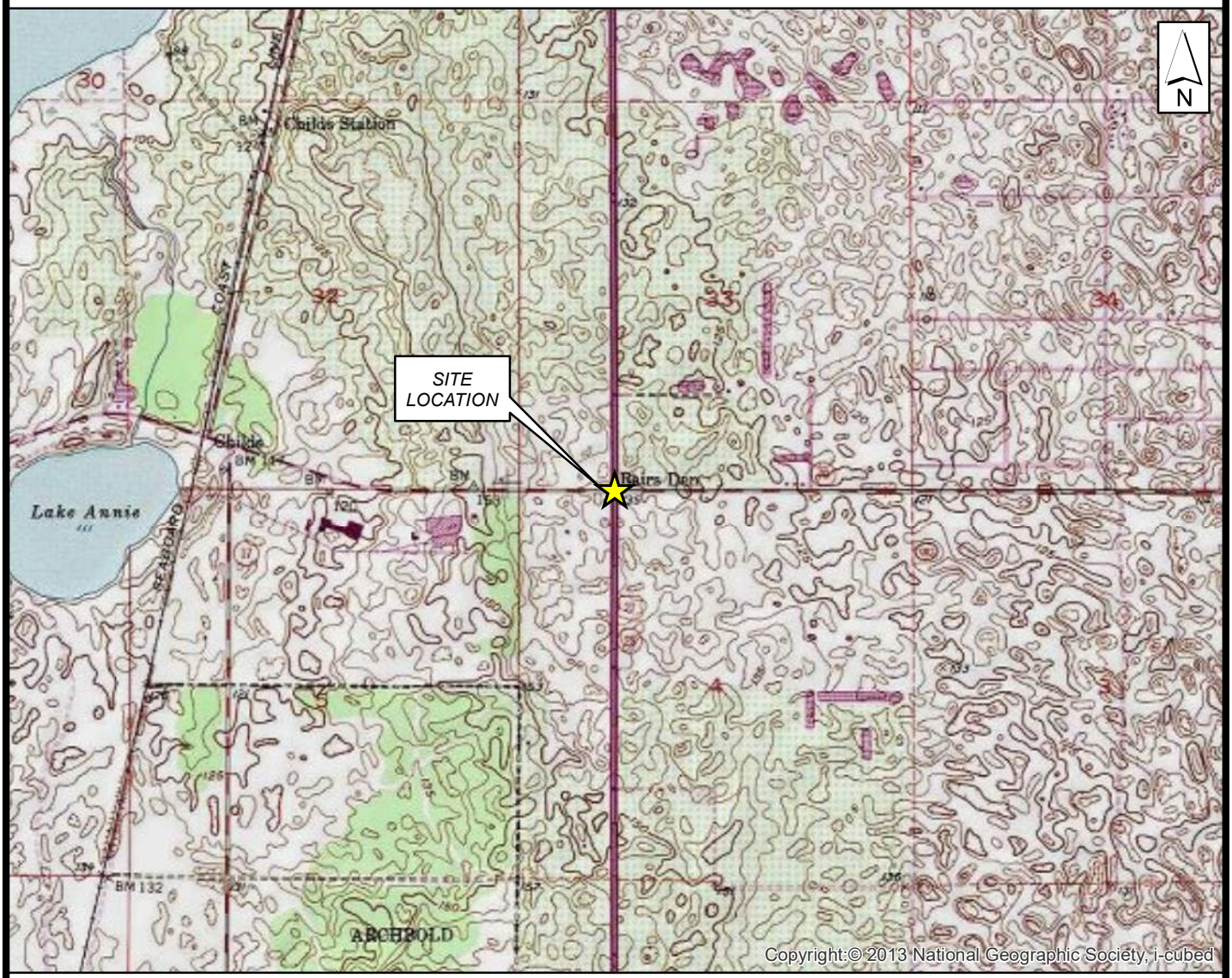
A full range of analytical sampling procedures was not implemented at the sample locations referenced in this report. The focus of this investigation was to identify areas of suspected petroleum contamination. Representative samples of subsurface conditions were indicative of each discrete sampling location only. Therefore, it is possible for contamination to be present but remain undetected at any point between or adjacent to the sampling points targeted during this investigation. During construction activities, it is possible to encounter undocumented soil or groundwater contamination, or underground storage tanks. If suspected contamination or underground storage tanks are encountered during construction, the applicable provisions of FDOT's Standard Specification for Roadway and Bridge Construction will be followed.

FIGURES



UNITED STATES GEOLOGICAL SURVEY 7.5" TOPOGRAPHIC QUADRANGLE MAP FOR HIGHLANDS COUNTY, CHILDS NW QUADRANGLE
SECTIONS 04 AND 33;
TOWNSHIPS 37 AND 38 SOUTH, RANGE 30 EAST



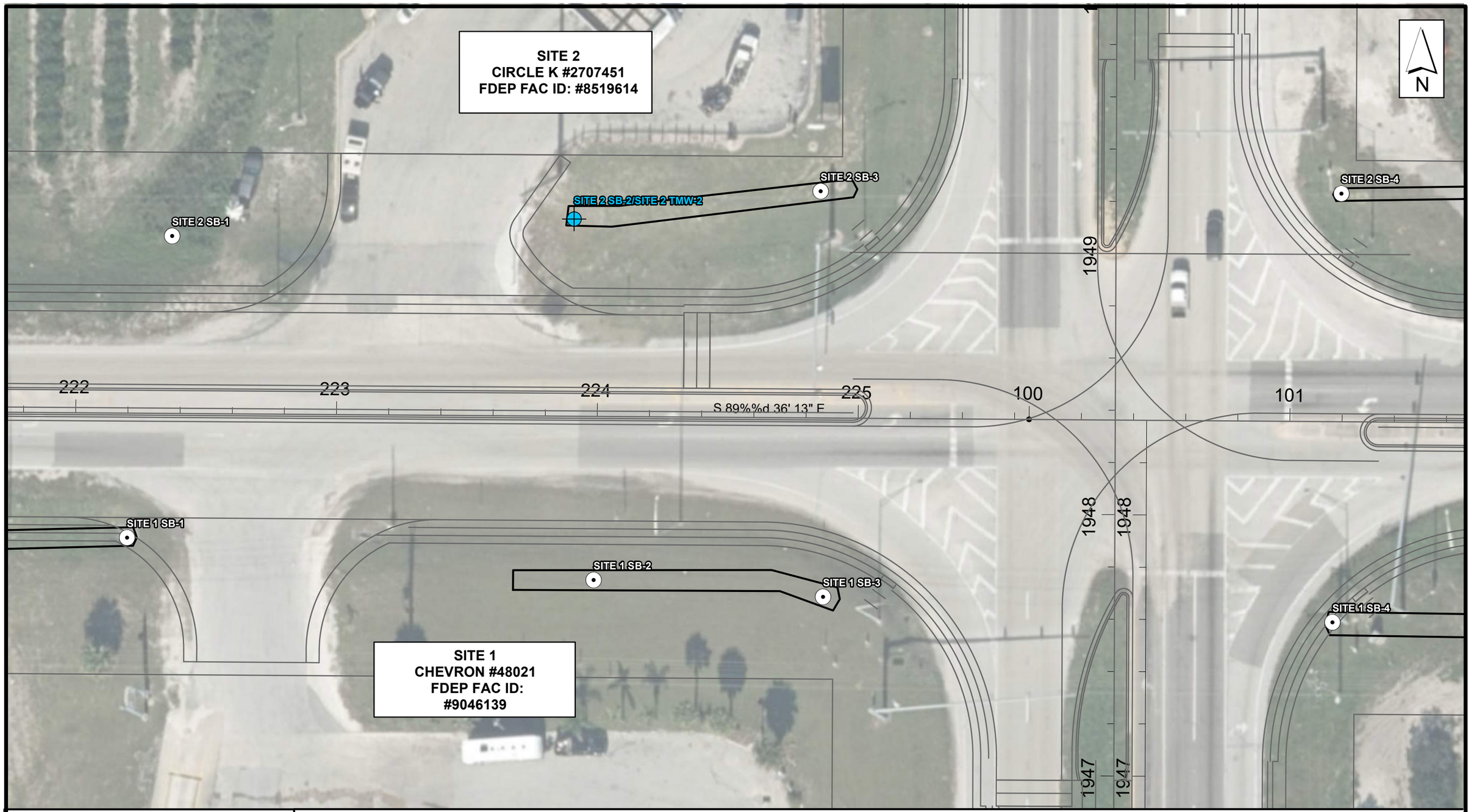


0 0.5 1 2 Miles

PROJECT NO.: 40-20-342		GIS ID: 4020342A001	PROJECT MANAGER: KEANAN BELL		
REVISION NO.: 00	REVISION DATE: 00/00/2020	DATE: 12/18/2020	DRN BY: MT	CHK BY: CO	STATUS: FINAL

NorthStar
Contracting Group, Inc.
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
PHONE: (813) 684-4400 FAX: (813) 684-9177

FIGURE 1
SITE VICINITY MAP
STATE ROAD 25 (US 27) FROM SOUTH
OF STATE ROAD 70 TO NORTH OF STATE ROAD 70
LAKE PLACID, HIGHLANDS COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO.: 439827-1-C2-32



Legend

- Soil Boring Location
- Soil Boring/Temporary Monitor Well Location

PROJECT NO.: 40-20-342	
PROJECT MANAGER:	
GIS ID: 4020342A002	
DRN BY: MT	REVISION NO.: 00
DATE: 12/21/2020	REVISION DATE: 00/00/2020
CHK BY:	STATUS: DRAFT

NorthStar Contracting Group, Inc.
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33587
PHONE: (813) 684-4400 FAX: (813) 684-9177
FLORIDA BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF AUTHORIZATION NO.: 30941

FIGURE 2
SOIL BORING AND TEMPORARY MONITOR WELL LOCATIONS MAP
STATE ROAD 25 (US 27) FROM SOUTH OF STATE ROAD 70
TO NORTH OF STATE ROAD 70
LAKE PLACID, HIGHLANDS COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO.: 439827-1-C2-32

TABLES

TABLE 1
Soil OVA Screening Results
Level II Impact to Construction Report
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No. 439827-1-C2-32

Soil Boring	Site ID	Date	Sample Depth (feet)	Description	OVA/PID Reading (ppm)	Moisture Content	Sample Collected
Site 1 SB-1	Site 1 - Chevron #48021 (Facility ID No. 9046139)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty,Brown-Black	0.3	M	Site 1 SB-1
			1	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.2		
			2		0.2		
			3		0.5		
			4		0.5		
			5		0.5		
			6		0.5		
			7		0.1		
			8		0.2		
			9		0.0		
			10		0.4		
			11		0.0		
			12		0.4		
			13		0.3	W	
			14		0.1	S	
			15		0.3		
Site 1 SB-2	Site 1 - Chevron #48021 (Facility ID No. 9046139)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty,Brown-Black	0.0	M	Site 1 SB-2
			1	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.3		
			2		0.0		
			3		0.3		
			4		0.0		
			5		0.0		
			6		0.0		
			7		0.1		
			8		0.1		
			9		0.3		
			10		0.3		
			11		0.1		
			12		0.0		
			13		0.1	W	
			14		0.4	S	
			15		0.5		

See notes at end of table.

TABLE 1
Soil OVA Screening Results
Level II Impact to Construction Report
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No. 439827-1-C2-32

Soil Boring	Site ID	Date	Sample Depth (feet)	Description	OVA/PID Reading (ppm)	Moisture Content	Sample Collected
Site 1 SB-3	Site 1 - Chevron #48021 (Facility ID No. 9046139)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty,Brown-Black	0.4	M	Site 1 SB-3
			1	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.3		
			2		0.3		
			3		0.2		
			4		0.3		
			5		0.0		
			6		0.1		
			7		0.1		
			8		0.0		
			9		0.0		
			10		0.1		
			11		0.0		
			12		0.2		
			13		0.2	W	
			14		0.3	S	
			15		0.2		
Site 1 SB-4	Site 1 - Chevron #48021 (Facility ID No. 9046139)	11/18/2020	0.5	SAND: Fine Grained, Light Brown	0.3	M	Site 1 SB-4
			1	SAND: Fine Grained, Brown/Orange	0.0		
			2		0.0		
			3		0.0		
			4	SAND: Fine to Medium Grained, Orange	0.0		
			5		0.2		
			6		0.3		
			7	SAND: Fine to Medium Grained, Light Orange	0.2		
			8		0.2		
			9		0.1		
			10	SAND: Fine to Medium Grained, Light Orange-Brown	0.3		
			11		0.3		
			12	SAND: Fine Grained, Light Orange	0.0		
			13		0.1		
			14		0.2	W	
			15		0.4	S	
			16		0.4		

See notes at end of table.

TABLE 1
Soil OVA Screening Results
Level II Impact to Construction Report
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No. 439827-1-C2-32

Soil Boring	Site ID	Date	Sample Depth (feet)	Description	OVA/PID Reading (ppm)	Moisture Content	Sample Collected
Site 2 SB-1	Site 2 - Circle K #2707451 (Facility ID No. 8519614)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty, Brown/Black	0.4	M	Site 2 SB-1
			1		0.4		
			2		0.3		
			3	SAND: Fine to Medium Grained, Well Sorted, Silty, Gray/White	0.3		
			4		0.3		
			5	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.3		
			6		0.2		
			7		0.2		
			8		0.2		
			9		0.3		
			10		0.1		
			11		0.3		
			12		0.2		
			13		0.2		
			14		0.3		
			15		0.3	W	
			16		0.3	S	
			17		0.3		
			18		0.1		
			19	SAND: Fine to Medium Grained, Well Sorted, Silty, Gray	0.0		
			20	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.0		
			21		0.0		
Site 2 SB-2	Site 2 - Circle K #2707451 (Facility ID No. 8519614)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty, Brown/Black	0.0	M	Site 2 SB-2
			1		0.0		
			2	SAND: Fine to Medium Grained, Well Sorted, Silty, Gray/Tan	0.0		
			3		0.0		
			4	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.0		
			5		0.0		
			6		0.0		
			7		0.0		
			8		0.0		
			9		0.0		
			10		0.1		
			11		0.0		
			12		0.1		
			13		7.2		
			14		0.3		
			15		0.1	W	
			16		0.2	S	Site 2 TMW-2
			17		0.3		
			18		0.3		
			19		0.2		
			20		0.1		

See notes at end of table.

TABLE 1
Soil OVA Screening Results
Level II Impact to Construction Report
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No. 439827-1-C2-32

Soil Boring	Site ID	Date	Sample Depth (feet)	Description	OVA/PID Reading (ppm)	Moisture Content	Sample Collected
Site 2 SB-3	Site 2 - Circle K #2707451 (Facility ID No. 8519614)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty, Brown/Black	0.1	M	Site 2 SB-3
			1		0.2		
			2		0.0		
			3	SAND: Fine to Medium Grained, Well Sorted, Silty, Gray/Tan	0.1		
			4		0.1		
			5	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.1		
			6		0.1		
			7		0.0		
			8		0.0		
			9		0.0		
			10		0.0		
			11		0.1		
			12		0.1		
			13		0.1		
			14		0.1		
			15		0.1	W	
			16		0.1	S	
Site 2 SB-4	Site 2 - Circle K #2707451 (Facility ID No. 8519614)	11/18/2020	0.5	SAND: Fine Grained, Dark Brown	0.4	M	Site 2 SB-4
			1	SAND: Fine Grained, Brown, with Limerock	0.1		
			2	SAND: Fine Grained, Light Brown-Orange	0.4		
			3		0.4		
			4		0.4		
			5		0.4		
			6	SAND: Fine Grained, Light Orange	0.4		
			7	SAND: Fine Grained, Yellow-Orange	0.3		
			8		0.3		
			9		0.3		
			10	SAND: Fine Grained, Light Brown	0.3		
			11	SAND: Fine Grained, Yellow-Orange	0.4		
			12		0.5		
			13		0.5		
			14		0.5	W	
			15		0.5	S	
			16		0.5		

Notes:
NM = Not Measured
OVA = Organic Vapor Analyzer
PID = Photoionization Detector
ppm = parts per million
bls = below land surface
D = dry soil
M = moist soil
W = wet soil
S = saturated soil

TABLE 2
Soil Analytical Summary
Level II Impact to Construction Report
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No. 439827-1-C2-32

Sample ID.				**Site 2 SB-2**
Date Collected				11/18/2020
Depth to Water (ft bls)				17
Sample Interval (ft bls)				0-17
Net OVA Reading (PPM)				7.2
Analytical Group - Method		**Direct Exposure Residential SCTL**	**Direct Exposure Commercial SCTL**	
Volatile Organics - USEPA 8260C				
Benzene	mg/kg	**1.2**	**1.7**	0.000363 U
Toluene	mg/kg	**7,500**	**60,000**	0.000315 U
Ethylbenzene	mg/kg	**1,500**	**9,200**	0.000260 U
Total Xylenes	mg/kg	**130**	**700**	0.000781 U
Methyl tert-Butyl Ether	mg/kg	**4,400**	**24,000**	0.000875 U
PAHs - USEPA 8270				
Naphthalene	mg/kg	**55**	**300**	0.138 U
1-Methylnaphthalene	mg/kg	**200**	**1,800**	0.138 U
2-Methylnaphthalene	mg/kg	**210**	**2,100**	0.138 U
Acenaphthene	mg/kg	**2,400**	**20,000**	0.069 U
Acenaphthylene	mg/kg	**1,800**	**20,000**	0.281
Anthracene	mg/kg	**21,000**	**300,000**	0.069 U
Benzo(a)anthracene	mg/kg	*	*	0.042 U
Benzo(a)pyrene	mg/kg	*	*	0.025 U
Benzo(b)fluoranthene	mg/kg	*	*	0.036 U
Benzo(g,h,i)perylene	mg/kg	**2500**	**52000**	0.042 U
Benzo(k)fluoranthene	mg/kg	*	*	0.042 U
Chrysene	mg/kg	*	*	0.042 U
Dibenz(a,h)Anthracene	mg/kg	*	*	0.017 I
Indeno(1,2,3-cd)pyrene	mg/kg	*	*	0.042 U
Fluoranthene	mg/kg	**3,200**	**59,000**	0.069 U
Fluorene	mg/kg	**2,600**	**33,000**	0.069 U
Phenanthrene	mg/kg	**2,200**	**36,000**	0.069 U
Pyrene	mg/kg	**2400**	**45000**	0.069 U
CPAH	mg/kg	**0.1**	**0.7**	N/A

Notes:
U = 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.
mg/kg = milligrams per kilogram
ft bls = feet below land surface
SCTL = Soil Cleanup Target Level
Values shaded yellow indicate a Residential SCTL exceedance
Values shaded red indicate a Commercial/Industrial SCTL exceedance
N/A = Not Applicable

TABLE 3

Groundwater Analytical Summary

Level II Impact to Construction Report

State Road 25 (US 27) from South of State Road 70 to North of State Road 70

Lake Placid, Highlands County, Florida

FDOT Financial Project No. 439827-1-C2-32

Sample ID.				Site 2 TMW-2
Date Collected				11/18/20
Analytical Group - Method		**Groundwater Cleanup Target**	**Natural Attenuation**	
Priority Pollutant Volatile Organics - USEPA 8260 C				
Benzene	µg/L	**1**	**100**	0.400 U
Toluene	µg/L	**40**	**400**	0.400 U
Ethylbenzene	µg/L	**30**	**300**	0.400 U
Total Xylenes	µg/L	**20**	**200**	0.800 U
Methyl tert-Butyl Ether	µg/L	**20**	**200**	0.400 U
PAHs - USEPA 8270				
1-Methylnaphthalene	µg/L	**28**	**280**	0.050 U
2-Methylnaphthalene	µg/L	**28**	**280**	0.050 U
Acenaphthene	µg/L	**20**	**200**	0.025 U
Acenaphthylene	µg/L	**210**	**2,100**	0.025 U
Anthracene	µg/L	**2,100**	**21,000**	0.025 U
Benzo(a)anthracene	µg/L	**0.05**	**0.5**	0.025 U
Benzo(a)pyrene	µg/L	*****	*****	0.015 U
Benzo(b)fluoranthene	µg/L	**0.05**	**0.5**	0.015 U
Benzo(g,h,i)perylene	µg/L	**210**	**2100**	0.015 U
Benzo(k)fluoranthene	µg/L	**0.5**	**5**	0.015 U
Chrysene	µg/L	**4.8**	**48**	0.025 U
Dibenz(a,h)Anthracene	µg/L	**0.005**	**0.05**	0.0050 U
Indeno(1,2,3-cd)pyrene	µg/L	**0.05**	**0.5**	0.015 U
Fluoranthene	µg/L	**280**	**2,800**	0.025 U
Fluorene	µg/L	**280**	**2,800**	0.025 U
Phenanthrene	µg/L	**210**	**2100**	0.050 U
Naphthalene	µg/L	**14**	**140**	0.050 U

Notes:

U = The compound was analyzed for but not detected.

PAHs = Polycyclic Aromatic Hydrocarbon

µg/L = micrograms per liter

* = As provided in Chapter 62-520, F.A.C.

Bolded and shaded values indicate a GCTL exceedance

Bolded and shaded values indicate a natural attenuation default concentration exceedance

USEPA = Unites States Environmental Protection Agency

APPENDIX A
SCOPE OF SERVICES

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAULT, P.E.
SECRETARY

September 21, 2020

Mr. Brent W. Anderson, PMP, PG, PE
NorthStar Contracting Group, Inc.
2760 South Falkenburg Road
Riverview, Florida 33578

Re: **Contract Number BEA33** Contractual Services Agreement for
District-Wide Contamination Assessment / Remediation Services
Financial Project ID: 198229-1-C2-03
Letter of Authorization - Number 4

Dear Mr. Anderson:

You are hereby authorized to perform the services described in the scope of services and cost proposal attached hereto, in accordance with Exhibit "A" of the referenced Agreement between the Department and your firm, for the following project:

FPID: 439827-1-C2-32 Co/Sec 09010 Highlands County
SR 25 (US 27) from South of SR 70 to North of SR 70

Please note that invoicing will be handled under a separate job number; i.e. Financial Project ID 439827-1-C2-32 (see project reference above). The total maximum limiting fee for the required services shall be **$20,000.00** (see attachments) computed in accordance with Exhibit "B" of the Agreement. It is agreed that the numbers of proposed units are maximum estimates. Only those units and amounts shown in the proposal may be invoiced without additional approval.

Project tasks are to be completed by September 1, 2021, which is the expiration date for this authorization.

Sincerely,

Jeffrey W. James
District Contamination Impact Coordinator

cc: Mr. Phil Glover – NorthStar (via email)
Ms. Gwen Pipkin – FDOT (via email)

Attachments

NorthStar Contracting Group, Inc.

2760 South Falkenburg Road
Tampa, Florida 33578
813-684-4400 Phone

September 21, 2020

Mr. Jeffrey W. James
District Contamination Impact Coordinator
Florida Department of Transportation, District 1
Post Office Box 1249
Bartow, Florida 33831-1249

REFERENCE: **Department Wide Contamination Assessment/Remediation Services**
Contract Number: BEA33
FPID: 439827-1
LOA 4

SUBJECT: **Level II Impact to Construction Assessment**
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida

Dear Mr. James:

NorthStar Contracting Group, Inc. (NorthStar) is pleased to provide this scope of services and cost proposal for the above referenced project to the Florida Department of Transportation, District 1 (FDOT or Department). The scope of services is detailed in **Attachment A** and our cost proposal is included in **Attachment B**.

NorthStar proposes to complete the tasks described in **Attachment A** on a time and materials basis for $**12,712.45**, with a maximum limiting fee of **$20,000.00.** It is understood that the number of proposed units are estimates and may vary (the number of units, not the established rates in Contract BEA33) and the maximum limiting fee will not be exceeded without prior approval of the Department. The maximum limiting fee includes a contingency of **$7,287.55**. The contingency funds are available for use upon prior approval by the Department. A description of the estimated units and extended costs are presented in the attached cost proposal (**Attachment B)**.

NorthStar will initiate this work scope following your approval and authorization for the work described herein. If have you any questions, please call me at (813) 684-4400.

Sincerely,
NorthStar Contracting Group, Inc.

Philip L. Glover

Philip L. Glover, PG, LEP
Contract Manager

Attachments: Attachment A – Scope of Services
Attachment B – Cost Proposal
Attachment C – Proposed Soil Boring Locations

Attachment A
Scope of Services
FPID Number 439827-1

NorthStar will conduct a Level II Impact to Construction Assessment (ICA) for soil and groundwater for the State Road (SR) 25 (US 27) from South of State Road 70 to North of State Road 70 project corridor, located in Lake Placid, Highlands County, Florida.

A cost proposal is included in **Attachment B** and is based on estimated quantities and established unit rates included in Contract BEA33 between FDOT and NorthStar.

In support of our preparation of this Scope of Services, FDOT provided NorthStar with the following information which was subsequently reviewed by NorthStar in developing this proposal:

- FDOT Contamination Memorandum, dated June 4, 2020
- Contract Plans, dated April 23, 2020

Work Plan Scope of Services – Proposed Level II Activities

Based on information provided in the FDOT Contamination Memorandum, two (2) sites of concern were identified within the project limits in areas that could affect proposed construction.

LEVEL II ICA ACTIVITIES AND REPORTING

- NorthStar will provide maintenance of traffic for the planned Level II ICA activities.
- NorthStar personnel will perform four (4) soil borings in the vicinity of Site 1: Chevron #48021(Fac. ID No. 9046139), as indicated on **Attachment C**. This site currently has unleaded gasoline and vehicular diesel underground storage tanks. The soil borings will be advanced to 1 foot below the maximum depth of construction or to 1 foot below the groundwater table, whichever is encountered first. NorthStar will screen the soil borings with an organic vapor analyzer equipped with a photoionization detector (OVA/PID) at land surface and at every 1 foot below land surface (ft bls) to the groundwater table or to the maximum depth of construction, whichever is encountered first. If any OVA readings exceed 10 ppm, a composite soil sample will be collected from that soil boring location from land surface to the total depth of the soil boring. Additionally, if groundwater is encountered and OVA readings exceed 10 ppm, a temporary monitor well will be installed and a groundwater sample will be collected for laboratory analyses.
- The soil and groundwater samples collected at Site 1 will be submitted to a certified laboratory to be analyzed for Gasoline Analytical Group and Kerosene Analytical Group parameters, based on the presence of unleaded gasoline and diesel USTs. These include benzene, toluene, ethylbenzene, total xylenes and methyl tert-butyl ether (BTEX+MTBE) by USEPA Method 8260, Polynuclear Aromatic Hydrocarbons (PAH) by USEPA Method 8270, total recoverable petroleum hydrocarbons (TRPH) for the soils. The groundwater

sample collected at Site 1 will be analyzed for USEPA Method 8260 – Full List, PAH, TRPH and Ethyl Dibromide (EDB). Samples will not be analyzed for Lead because none of the known USTs previously registered at this site contained leaded gasoline. Soil samples analyses for BTEX+MTBE, PAH and TRPH will be expedited to ensure that the samples on "hold" can be analyzed before they go out of hold time, if necessary. All other samples will be analyzed on a standard turnaround time basis.

- NorthStar personnel will perform four (4) soil borings in the vicinity of Site 2: Circle K #8519614, as indicated on **Attachment C**. This site is currently undergoing active clean-up for a petroleum discharge. The soil borings will be advanced to 1 foot below the maximum depth of construction or to 1 foot below the groundwater table, whichever is encountered first. NorthStar will screen the soil borings with an OVA/PID at land surface and at every 1 ft bls to the groundwater table or to the maximum depth of construction, whichever is encountered first. One (1) composite soil sample will be collected from each of the four (4) soil boring locations from land surface to the total depth of the soil boring; however, only one (1) soil sample will be submitted for laboratory analyses – the other soil samples will be placed on "hold" pending sample results. Additionally, once soil screening is complete, NorthStar field personnel will install a temporary monitor well and a groundwater sample will be collected for laboratory analyses for discharge permitting purposes.
- The soil and groundwater samples will be submitted to a certified laboratory to be analyzed for BTEX+MTBE and PAH. These laboratory analyses were selected based on those utilized in the 2018 Limited Contamination Assessment Report. Soil samples analyses for BTEX+MTBE and PAH will be expedited to ensure that the samples on "hold" can be analyzed before they go out of hold time, if necessary. All other samples will be analyzed on a standard turnaround time basis.
- Additional borings and sampling will be performed if field observations and measurements deem these are necessary to further delineate impacts. These efforts will be coordinated with the FDOT's District Contamination Impact Coordinator or his assistant.
- If any OVA readings at the aforementioned site exceeds 10 ppm, NorthStar will collect a composite soil sample for waste characterization purposes. If laboratory results from the associated site(s) exceed the Residential Direct Exposure Soil Cleanup Target Level, the composite waste characterization soil sample will be analyzed by the Toxicity Characteristic Leaching Procedure (TCLP) for Benzene and TCLP 4-RCRA Metals. Costs have been included for one (1) waste characterization sample.
- Purge water generated during the groundwater sampling activities will be containerized in 5-gallon buckets during purging of the temporary monitor wells and will be subsequently poured onto a paved surface to evaporate following groundwater sample collection. Additionally, the temporary monitor wells will be removed immediately following groundwater sample collection. Soil generated during soil boring advancement will be returned to the borehole.
- During Level II ESA activities, NorthStar personnel will scan the FDOT right of way for existing monitor wells that may require abandonment, ground staining, stressed

vegetation, drums, etc. that could impact construction. If encountered, NorthStar will immediately notify the FDOT District Contamination Impact Coordinator of the findings so that they can be appropriately addressed.

- Photographs documenting field activities will be provided in the Level II ICA report.
- NorthStar will provide the Department with a Level II Impact to Construction Report to document the Level II ESA activities. The report will include text, tables and figures that will concisely present activities, observations, conclusions and recommendations associated with the work. **Figures will include applicable design plan sheets in conjunction with aerial imagery to illustrate how impacts detected during the assessment affects construction.** Additionally, other documentation such as groundwater sampling logs, soil boring logs and laboratory analytical reports will be appended to the report, as appropriate. The report will be provided no later than January 27, 2021.

Attachment C

BEGIN FULL DEPTH CONSTRUCTION
END MILLING & RESURFACING
END WIDENING
STA. 219+00.00
℄ CONST. SR 70
℄ SURVEY SR 70

N

0 10 50
Feet

EXIST. R/W LINE
+85.56
100.00' LT.
150 LF OF 18" PIPE
4 BARBED WIRE FENCE
CITRUS GROVE LINE
69 kV
BFOC(B)
OE
CURB
℄ CONST. SR 70
℄ SURVEY SR 70
REMOVE EXIST. PIPE, INLET & ENDWALL
+40.00
46.00' LT.
+40.00
39.00' LT.
+40.00
32.00' LT.
+40.00
27.00' LT.
TOE
REFLECTOR
SPEED LIMIT
+76.51
46.00' LT.
R 50'
7' SHLDR. PAVT.
VARIES (±93')
100'
5' SHLDR. PAVT.
NO PARKING ON RIGHT OF WAY
ARCADIA 33
BRADENTON 83
+00.00
23.50' LT.
+00.00
15.00' LT.
(TYPICAL)
TOP
TYPE E CURB & GUTTER
+58.00
11.00' LT.
EDGE OF PAVEMENT
PAINTED MEDIAN
11' R
SR 70
216
217
218
219
220
221
222
223
SAWCUT
ASPHALT DRIVEWAY
EDGE OF PAVEMENT
+10.00
12.00' LT.
S.R. 70 (WESTBOUND)
(ASPHALT)
S.R. 70 (EASTBOUND)
(ASPHALT)
+00.00
13.50' RT.
S 89° 36' 13" E
54'
+00.00
23.50' RT.
+40.00
27.00' RT.
+58.00
11.00' RT.
+53.00
3.00' RT.
+93.00
11.00' RT.
+03.00
11.00' RT.
REMOVE EXIST. PIPE AND MES
+97.00
40.00' RT.
85 LF OF 18" PIPE
+88.00
11.00' RT.
+83.00
11.00' RT.
TOP +13.13
23.83' RT.
25' R
+34.63
44.99' RT.
TOP +45.14
24.63' RT.
+00.00
47.05' RT.
JUNCTION US 27
+43.00
11.00' RT.
5' SHLDR. PAVT.
RIGHT OF WAY
+40.00
32.00' RT.
+22.63
43.46' RT.
+58.58
47.34' RT
TOE
+00.00
55.77' RT
+00.00
57.95' RT
+40.00
39.00' RT.
+83.00
39.00' RT.
+93.00
40.00' RT.
6' SHLDR. PAVT.
CONCRETE DRIVEWAY
R 50'
SD-2
TOE
SD-1
+59.05
80.78' RT
DIRT ROAD
+00.00
76.78' RT
SPECIAL DITCH RT.
+40.00
46.00' RT.
46 LF OF 18" PIPE
7' SHLDR. PAVT.
+83.00
40.00' RT.
+40.12
68.82' RT.
+47.00
90.00' RT.
+89.00
90.00' RT.
WOODS LINE
TURNOUT CONST.
FOC MARKER
CS-2
+47.00
95.00' RT.
+89.00
95.00' RT.
42'
12'
6' WOODBOARD FENCE
+22.63
103.96' RT.
METAL FARM GATE
+34.63
103.71' RT.
6' WOOD BOARD FENCE
EXIST. R/W LINE
+88.00
40.00' RT.
+90.58
100.00' RT.
ADVANCE TRAFFIC SIGN W/ FLASHING BEACON
(REFER TO THE S&PM PLANS FOR DETAILS)
CROSS ROADS CAFE
CONCRETE SLAB FOR SCALES

LEGEND

MILLING & RESURFACING

WIDENING

TRANSITION PAVEMENT (SEE SPECIAL DETAILS FOR PAVEMENT TRANSITION DETAIL)

Proposed Soil Boring Location

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RAYMOND G. LEE, P.E.
P.E. LICENSE NUMBER 66958
DEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVE., SUITE 1000
ORLANDO, FL 32803
CERTIFICATE OF AUTHORIZATION NO. 8794

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 25	HIGHLANDS	439827-1-52-01

ROADWAY PLAN (5)
SR 70

SHEET NO. 23

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Attachment C

Site 1

CHEVRON #48021
AKA - 27 TRUCK STOP
FDEP FAC ID: #9046139
2758 US HWY 27 S, LAKE PLACID

Site 2

CIRCLE K #2707451
FDEP FAC ID: #8519614
2742 US HWY 27 S, LAKE PLACID

N

0 10 50
Feet

EXIST. R/W LINE
TYPE E CURB & GUTTER
6' SHLDR PAVT.
SR 70
SPECIAL DITCH (RT.)
SPECIAL DITCH (LT.)
7' SHLDR. PAVT.
18" PIPE
EXIST. R/W LINE
+68.65 94.62' LT.
+65.17 89.72' LT.
+36.57 108.00' LT.
+96.64 134.76' LT.
+33.55 100.59' LT.
+76.67 147.24' LT.
+47.55 100.55' LT.
+08.55 101.20' LT.
+12.45 96.64' LT.
℄ CONST. SR 25 (US 27) STA. 1948+36.27 =
℄ CONST. & ℄ SURVEY SR 70 STA. 100+33.00
EXIST. R/W LINE
42'
+36.56 105.00' LT.
+89.00 105.00' LT.
87'
+53.00 100.00' LT.
+95.00 100.00' LT.
+53.00 94.00' LT.
+95.00 94.00' LT.
+88.25 51.00' LT.
+93.25 45.00' LT.
+06.64 45.00' LT.
+88.25 49.00' LT.
+88.25 45.00' LT.
+23.21 49.00' LT.
+24.79 49.00' LT.
50' R
90' R
7' R
6' SIDEWALK
CONCRETE DRIVEWAY
108'
24'
5' SHLDR. PAVT.
℄ CONST. SR 25 (US 27)
+88.25 44.00' LT.
+98.25 45.00' LT.
+88.25 20.00' LT.
+98.25 16.00' LT.
+09.33 16.00' LT.
+70.17 0.57' RT.
+88.25 16.00' LT.
+93.25 16.00' LT.
R 120'
75'CR
120'CR
100
℄ SURVEY SR 25 (US 27) STA. 1948+36.27 =
℄ CONST. & ℄ SURVEY SR 70 STA. 100+45.00
+03.97 87.54' LT.
10' R
+76.00 105.00' LT.
+04.00 74.50' LT.
50' R
CONCRETE DRIVEWAY
+66.67 63.00' LT.
+66.67 61.00' LT.
+66.67 57.00' LT.
4' SHLDR. PAVT.
+66.00 57.00' LT.
6' SHLDR. PAVT.
105'
50'
TYPE E CURB & GUTTER
+74.25 7.00' LT.
1945 1946 1947 1948 1949 1950 1951 1952
N 0° 14' 33" E
SR 25 (US 27)
℄ SURVEY SR 25 (US 27)
+98.25 7.00' RT.
+68.25 7.00' RT.
3.5 R
+02.34 0.57' LT.
+04.25 7.00' LT.
+79.25 16.00' RT.
+84.25 16.00' RT.
+84.25 20.00' RT.
+84.25 44.00' RT.
+74.25 16.00' RT.
+74.25 45.00' RT.
℄ CONST. SR 25 (US 27)
℄ SURVEY SR 25 (US 27)
92'
12'
50'
+05.83 61.00' RT.
+05.83 57.00' RT.
6' SHLDR. PAVT.
℄ CONST. SR 70
℄ SURVEY SR 70
101
102
+65.86 45.00' RT.
+84.25 45.00' RT.
+84.25 49.00' RT.
+84.25 51.00' RT.
4' SHLDR. PAVT.
+05.83 63.00' RT.
6' SIDEWALK
+23.99 92.00' RT.
+61.06 97.76' RT.
+64.87 102.40' RT.
+24.96 100.97' RT.
+38.96 101.01' RT.
+95.83 147.27' RT.
+75.86 134.73' RT.
+35.99 92.00' RT.
+06.24 91.17' RT.
+02.88 96.16' RT.
+79.25 45.00' RT.
TYPE E CURB & GUTTER
EXIST. CONCRETE TO BE REMOVED
EXIST. R/W LINE
EXIST. R/W LINE
EXIST. R/W LINE
EXIST. R/W LINE
7' SHLDR. PAVT.
SPECIAL DITCH (RT.)
SPECIAL DITCH (LT.)
6' SHLDR. PAVT.
S 89° 51' 10" E
S 89° 36' 13" E

LEGEND

TRANSITION PAVEMENT (SEE SPECIAL DETAILS FOR PAVEMENT TRANSITION DETAIL)

Proposed Soil Boring Location

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RAYMOND G. LEE, P.E.
P.E. LICENSE NUMBER 66958
OEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVE., SUITE 1000
ORLANDO, FL 32803
CERTIFICATE OF AUTHORIZATION NO. 8794

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 25	HIGHLANDS	439827-1-52-01

ROADWAY PLAN (2)
SR 25 (US 27)

SHEET NO. 19

jbenavides 4/23/2020 4:00:14 PM Q:\50098539_SR25_Intersection\CAD\43982715201\roadway\PLANRD02.dgn

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APPENDIX B
SITE SPECIFIC HEALTH AND SAFETY PLAN

HEALTH AND SAFETY PLAN

State Road 25 (US 27) from South of State Road 70
to North of State Road 70
FDOT Contract Number: BEA33
Level 2 Impact to Construction Assessment
2760 South Falkenburg Road
Riverview, Hillsborough County, Florida

NorthStar

2760 South Falkenburg Road
Riverview, Hillsborough County, Florida

TARGET ZERO
COMMITTED TO SAFETY

Health and Safety Plan Approvals

Scheduled Start-up Date:	Scheduled Start-up Time:
11/10/2020	08:00 AM
Project Name:	**Site Location:**
State Road 25 (US 27) from South of State Road 70 to North of State Road 70	Lake Placid, Highlands County, Florida

By signing below, the specific technical and management solutions to work site hazards prescribed herein are approved, and we commit to providing a work environment in line with NorthStar's vision of Safety – First and Always.

Health and Safety Plan Author: Geoffrey Ferlita	
Signature:	**Date:** 11/3/20
HEALTH AND SAFETY PLAN APPROVAL	
Project Manager: Phil Glover	
Signature: Philip L. Glover	**Date:** 11-3-20

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Appendix A. Field Forms

1.0 Health and Safety Plan

The purpose of this site-specific Health and Safety Plan (HASP) is to ensure a safe working environment for NorthStar's employees, subcontractors, and visitors; as well as to facilitate compliance with relevant governmental laws, standards and regulations relating to health, worker safety and the environment. The intent of this HASP is to identify specific hazards associated with the performance of work under the scope of the contract and to prescribe and implement technical and management solutions to protect personnel.

This HASP is designed to provide the means to establish, achieve, and maintain safe working conditions through informational programs and persistent review and improvement of facilities and practices that protect the health and safety of all personnel.

This HASP provides a formal mechanism to facilitate protection of workers against foreseeable health and safety risks. This plan documents specific requirements and procedures for the protection of field personnel while working on the subject project. Other personnel, such as visitors and inspectors who enter areas under direct control of this task, must read, understand, and comply with this plan in order to ensure their own personal safety while performing prescribed activities in controlled areas. NorthStar shall take all necessary precautions in order to prevent injury to the public, building occupants (as applicable), or damage to property belonging to others. NorthStar shall meet or exceed all public safety requirements related to this project.

The contents of this Health and Safety Plan will be strictly followed during this project. This HASP will be on-site at the work location while work is being performed. If revisions to this plan are required, those revisions will be incorporated into this plan.

The provisions of the plan are mandatory for all onsite employees engaged in onsite environmental investigation and remediation activities associated with this project. Changing and/or unanticipated site conditions may require modification of this site safety plan in order to maintain a safe and healthful work environment. Any proposed changes to this plan should be reviewed with the NorthStar EHS Representative prior to their implementation. Under no circumstances will modifications to this plan conflict with Federal, state, or other governmental health and safety regulations.

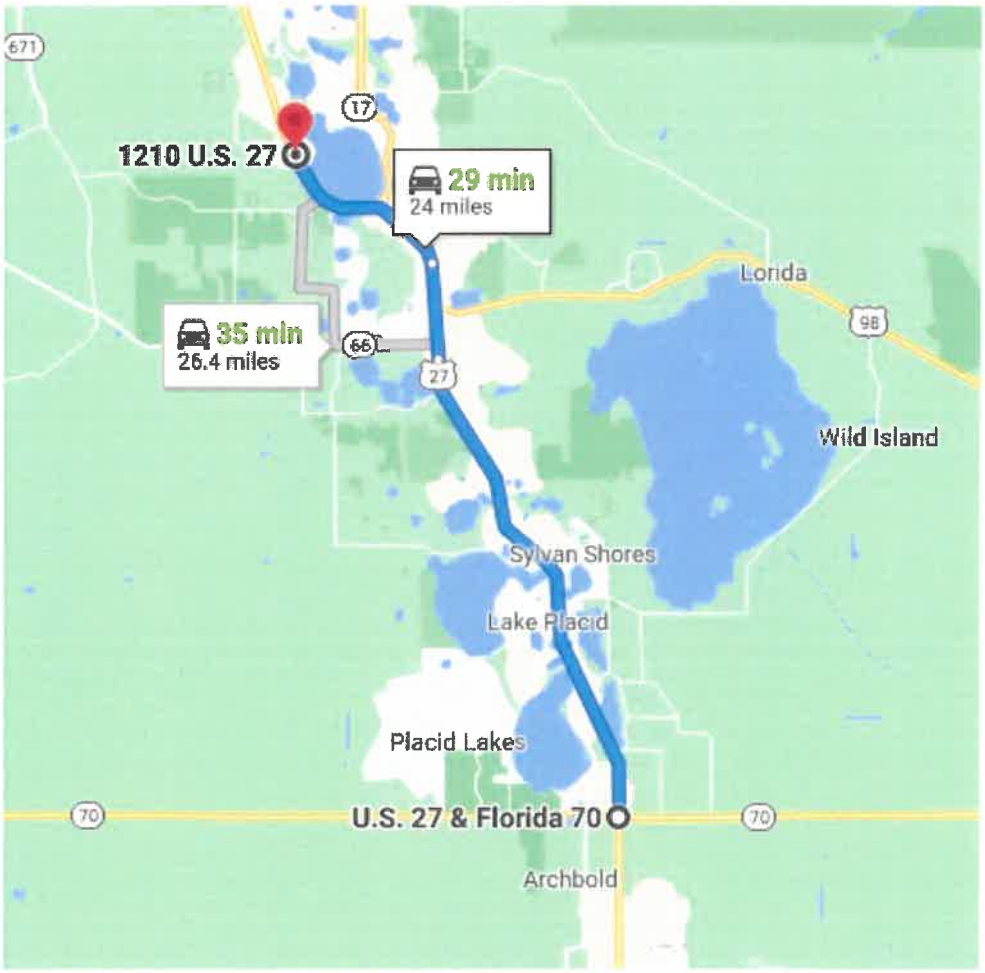
This specific plan is not to be used for other projects or subsequent phases of this project without the written approval of the EHS Representative. A copy of this plan is to be maintained at the site during all work related activities.

2.0 Project Contact Information

2.1 Project Contacts			
Project Title	State Road 25 (US 27) at South Lakeview Road		
Scope of Work	• Soil Sampling • Groundwater Sampling		
Key Personnel			
Project Manager	Phil Glover	Phone	(813) 323-5750
Superintendent	Greg Garrison	Phone	(813) 967-7447
Site Safety Officer	Geoff Ferlita	Phone	(813) 601-5249
NorthStar Claims Reporting	Corporate EHS	Phone	(409) 886-3959
Fire Department / EMS	Lake Placid Fire Department	Phone	(863) 699-3753
Ambulance Service	Various	Phone	911
Hospital (Urgent Care)	CareCenter of Lake Placid	Phone	(863) 260-0398
Hospital (EMERGENCY)	Advent Health Lake Placid	Phone	(863) 465-3777

2.2 Emergency and Incident Response	
Dial 911 from a cellular phone for the following: • Occupational injury or illness that may require emergency treatment. • Fires. • Spill or release All incidents MUST be reported to the Health and Safety Manager immediately.	
Telephone location	Employees carry cellular phones
Site address	US27 at SR70, Lake Placid, Highlands County, Florida
Nearest Hospital (w/ Urgent Care)	AdventHealth Lake Placid 1210 US Highway 27 North Lake Placid, FL 33852 **29 MIN | 24 MILES** 1. Head southeast on US-27 N toward FL-70 West and follow for 15.3 miles. 2. Continue onto US-27 N and follow for 2.9 miles. 3. Continue onto US-98 N/US Hwy 27 S and follow for 1.2 miles. 4. Continue straight to stay on US-98 N/US Hwy 27 South and follow for 4.6 miles. 5. Turn right and follow for 105 feet. 6. Turn righ tnad follow for 171 feet. 7. Destination will be on the left.

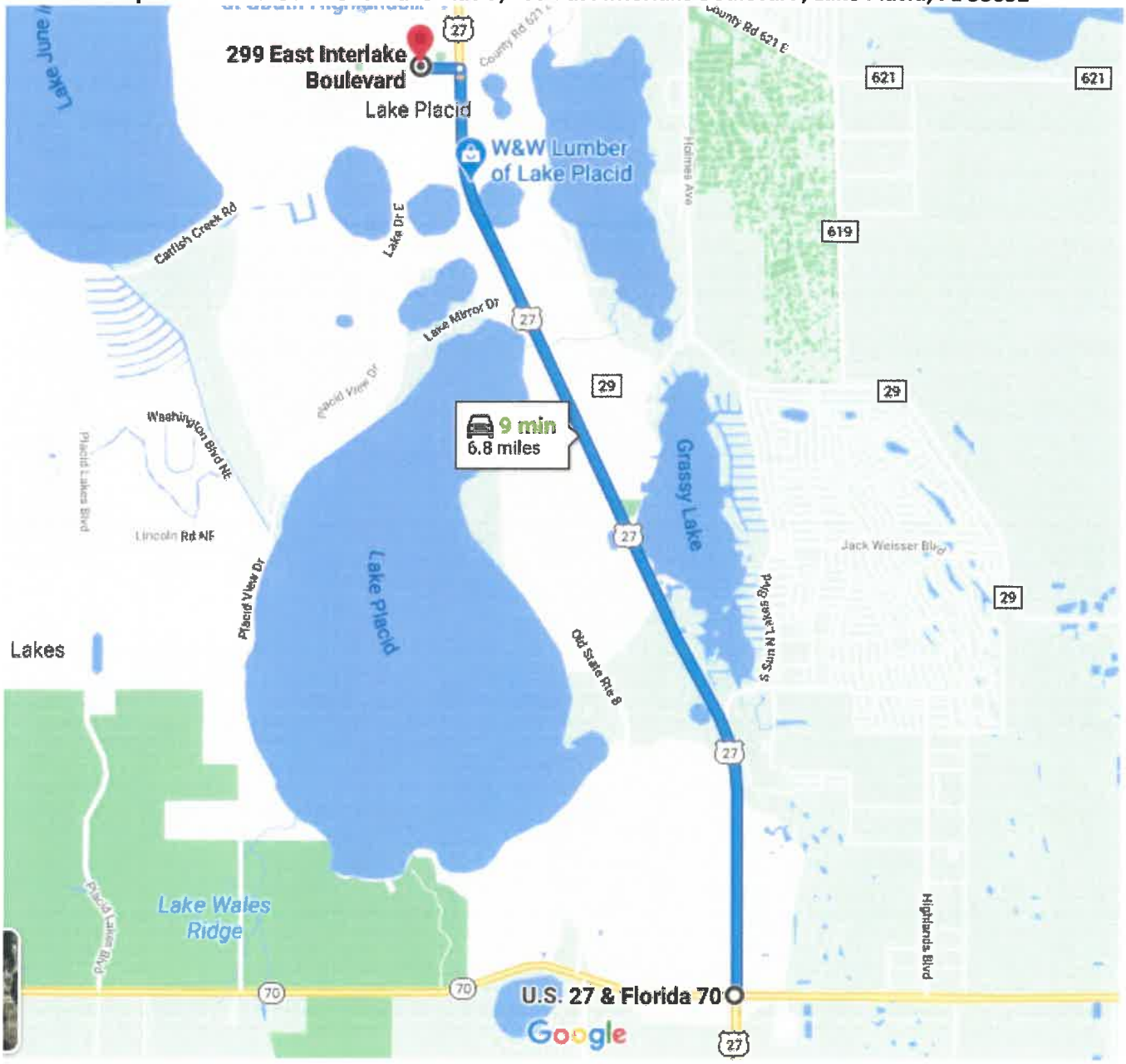
Map Route to AdventHealth Lake Placid
(call 911 for ambulance if health emergency occurs),
1210 US Highway 27 North, Lake Placid, Florida, 33852



The referenced hospital location will be used to provide medical treatment in the event of an injury requiring treatment services beyond the capabilities of on-site first aid. On-site NorthStar personnel maintain current First Aid / CPR training certifications and can administer first aid services. First aid kits are available in work areas and in the on-site emergency stations. All injuries regardless of severity must be immediately reported to the Health and Safety Representative. Injuries requiring emergency medical treatment or ambulance services must be reported to facility project manager.

2.3 Urgent Care Clinic	
Urgent Care Clinic	CareCenter of Lake Placid 299 East Interlake Boulevard Lake Placid, Florida 33852 **9 MIN | 6.8 MILES** 1. Head southeast on US-27 N toward FL-70 W and follow for 6.6 miles. 2. Turn left onto E Interlake Blvd and follow for 0.3 miles. 3. Destination will be on the right.

Map route to CareCenter of Lake Placid, 299 East Interlake Boulevard, Lake Placid, FL 33852



The referenced Urgent Care Clinic will be used to provide medical treatment for non-life threatening injuries that are beyond the capabilities of on-site first aid. First aid kits are available in work areas and in the on-site emergency stations. All injuries regardless of severity must be immediately reported to the Site Safety Officer and FDOT EHS Representative.

2.3 Emergency Rally Points

2.3.1 Facility Evacuation Meeting Point

The evacuation meeting point will be the singular point all employees are to meet at in the event of a site evacuation. Once at the meeting point the NorthStar Superintendent will take a head count to ensure all personnel have safely evacuated. The location of the meeting point will be selected during the Tailgate safety meeting conducted by the Superintendent or Health and Safety Officer prior to beginning work each day. The rally point will vary depending on site conditions and wind direction.

2.3.2 Emergency Communications

Communication of the emergency on site will be provided through the use of verbal communication, hand signals, and cell phones.

3.0 Health and Safety Management

NorthStar takes a highly proactive approach to safety, and the teams' outstanding safety record reflects a continuous dedication to excellence in this area. In addition to adherence to required regulatory training and standards, NorthStar implements company-specific programs across all operations and departments in a concerted effort to promote safety awareness, employee well-being, and the safest possible on-site work practices.

NorthStar follows NIOSH's Hierarchy of Controls to select a preferred method to reduce or eliminate exposure to the work area hazard. The Hierarchy of controls describes that the control methods in order of preference are: elimination or substitution, engineering controls, warnings, training, and personal protective equipment.

The purpose of this plan is to assign responsibilities, establish personal protection standards and mandatory safety procedures, and provide for contingencies that may arise while operations are being conducted at the site. This plan complies with, but does not replace, State and Federal Health and Safety Regulations. This plan is to be used by NorthStar as a supplement to such rules, regulations, and guidance.
The provisions of the plan are mandatory for all onsite employees engaged in performance of the scope of work associated with this project.

Changing and/or unanticipated site conditions may require modification of this site safety plan in order to maintain a safe and healthful work environment. Any proposed changes to this plan must be reviewed with the NorthStar EHS Representative prior to their implementation. Under no circumstances will modifications to this plan conflict with Federal, state, or other governmental health and safety regulations.

3.1 Safety Program Goals

NorthStar's goal for this project is to Target Zero - zero injuries and illnesses. Our objectives are to ensure employees are well informed in the hazards particular to the scope of work; all employees are comfortable, confident, and knowledgeable before engaging in any task; employees are encouraged and take ownership of participating in the safety process; and that any time a situation presents itself without a clear plan of action, work will be stopped until a resolution is reached.

3.2 Stop Work Authority

All employees on site have the authority and responsibility to stop work for conditions posing imminent hazard or danger. Imminent hazards are those hazards or situations, if allowed to persist, likely to cause an accident resulting in death, serious injury, significant property damage, or environmental impairment. NorthStar considers no activity to be so urgent or important that its standards for environmental protection, safety, or health may be compromised. Employees have the right and responsibility not to perform tasks or activities they feel pose undue risk to themselves, co- workers, or the environment.

3.3 Safety Meetings

Before the start of work each day, all NorthStar employees will attend a safety meeting. Topics for the Tailgate Safety Meetings will be selected based on observations of behaviors or conditions from previous days, or in response to upcoming activities. The emergency rally point will be selected during this meeting.

During the morning safety meeting, each crew will devote time to discussing the scope of work, the planned activities for the days, and all associated potential hazards related to those activities. This information will be documented in a bound field book and each day's health and safety meeting notes shall be signed by all crew members. All NorthStar employees and subcontractors working on the site are expected and required to attend the Tailgate Safety Meeting.

3.4 Site Compliance Inspections

In order to ensure compliance with regulatory agencies and NorthStar's internal procedures and expectations, field inspections will be performed of all our projects. On all job sites Health and Safety Representatives or the Supervisor in charge will perform regular and frequent inspections of the condition of the work site. Any findings generated from the inspection will be recorded on the inspection form and included into the corrective action tracking log. Any deficiencies found during any inspection are to be corrected immediately. Corrective actions that cannot be completed immediately will be tracked for follow-up with the responsible personnel. Only items requiring transfer/purchase of additional materials and/or equipment, or require follow-up meetings or training will not be corrected immediately.

3.5 Safety Interventions

NorthStar empowers its employees to intervene whenever they see someone exhibiting an unsafe behavior or working in unsafe conditions. When such a situation is observed, an intervention is conducted by discussing with the person how the task could be performed safely.

Unsafe conditions will be corrected immediately, and any condition requiring the purchase of new tools and equipment will require a temporary task stand-down until the correct equipment is available. Unsafe behaviors may be corrected through coaching or re-training. As needed, the observer can involve the Supervisor or local management to resolve the issue.

3.6 Site Safety Orientation

All employees, visitors, and subcontractors to the site must attend a Site Safety Orientation before being allowed to enter into the site. The objective of the site safety orientation is to review the requirements and objectives of this Health and Safety Plan and to familiarize the attendees with the scope of work in progress. Orientation sessions will be scheduled internally to accommodate new personnel as they need access to the site. All employees and subcontractors arriving to the site will complete the NorthStar orientation.

3.7 Incident Investigations

Careful investigation of incidents to determine root causes and identify corrective actions is paramount to prevent the recurrence of that incident. All employees must immediately report near misses, injuries, and illnesses according to the claims reporting procedure provided in Appendix A.

4.0 Chemical Hazards

There are two categories of chemical / biological hazards associated with site activities:

- Site Constituents
- Chemicals used to conduct the site work, i.e. Hazard Communication Materials

Site constituents are those that exist at the site and are the cause for conducting site activities. The chemicals that are brought on site in order to conduct the work may be hazardous and subject to regulation under OSHA's Hazard Communication Standard (29 CFR 1926.59).

From an occupational health standpoint, the levels of contaminants that have been, or could be, encountered during site activities should not represent a significant concern if the provisions of this HASP are appropriately implemented. However, the potential for exposure to elevated levels of these contaminants may exist.

Overviews of the hazards associated with exposure to elevated levels of these contaminants may exist. Overviews of the hazards associated with exposure to the chemicals that may pose a hazard during site activities are presented below in terms of the following types of occupational exposure limits:

PEL - Permissible Exposure Limit (OSHA Standard)
TLV - Threshold Limit Value (ACGIH Guidance)
REL - Recommended Exposure Limit (NIOSH Guidance)
STEL- Short Term Exposure Limit
C - Ceiling

OSHA Permissible Exposure Limits (PELs), ACGIH Threshold Limit Values (TLVs), and NIOSH Recommended Exposure Limits (RELs) are time-weighted averages (TWAs) defined as concentrations for a normal 8-hour work day and 40-hour work week to which almost all workers can be repeatedly exposed without suffering adverse health effects

Short Term Exposure Limit (STEL) is defined as the concentration to which workers can be exposed for short time periods without irritation, tissue damage, or narcosis sufficient to likely cause impairment of self-rescue or precipitate accidental injury. The STEL is a 15-minute time-weighted average that should not be exceeded at any time during the workday.

A ceiling value (C) is a concentration that should not be exceeded at any time in any workday. Ceiling limits are used by OSHA, ACGIH and NIOSH for chemical exposure criteria.

4.1 Site Constituents

The site constituents of concern is petroleum impacted water. These contaminants are present as a result of past contamin. Symptoms of exposure to arsenic include cough, sore throat, shortness of breath, weakness, redness, abdominal pain, diarrhea, nausea, vomiting, burning sensation in throat and chest, shock or collapse, and

unconsciousness. Symptoms of exposure to chromium include eye irritation, sensitization and dermatitis. Symptoms of lead exposure include weakness, insomnia, gingival lead line, abdominal pain and eye irritation.

Additionally, Asbestos Containing Materials may affect the lung and digestive systems, leading to asbestosis, lung cancer and mesothelioma if overexposed.

Specific Metals of concern include:

Arsenic:PEL = 5 ppm (5 mg/m3)
Chromium: PEL = 0.5 ppm (0.5 mg/ m3)
Lead: PEL = 0.05 ppm (0.05 mg/ m3)

Respiratory protection must be worn by those individuals conducting intrusive work in suspected asbestos-containing materials.

4.2 Hazard Communication Materials

Chemical products regulated under the OSHA Hazard Communication Standard (29 CFR 1926.59) may be used during this project. The Safety Data Sheets (SDS) for commercial products with hazardous ingredients will be maintained at the worksite. NorthStar will maintain SDS in hard copy binders on site to make SDS readily available to all employees while working on the site. The SDS for any chemical product in use at the job site may be retrieved from the manufacturer's website or by contacting the Branch office.

For this project, no hazardous materials will be utilized.

5.0 General Safety Rules

The following General Safety Rules must be strictly adhered to by all NorthStar employees, visitors, vendors, and subcontractors while on site:

- Employees must be in Level D "working" clothes and ready for work at the designated start time.
- Employees may take lunch breaks only during designated times and must eat in the area assigned as a clean zone while on the job site. There will be no smoking, eating, or drinking while in the work zone. Smoking is only allowed in designated areas and butts must be disposed property and NOT discarded to the ground.
- Personnel will not quit work before the time designated for the conclusion of the work shift. There will be sufficient time allocated for the removal of work clothes, decontamination, etc.
- Employees must report to work each regularly scheduled work day. Continued absenteeism is a violation of these rules.
- All personnel are required to comply with NorthStar's Alcohol and Drug Free Workplace Policy as a condition of employment. Violation of any portion of this policy may be cause for immediate discharge.
- Personnel should not drink alcoholic beverages prior to reporting to work. Having reported to work, employees are then prohibited from consuming alcoholic beverages during either lunch or coffee breaks.
- Personnel must comply with both verbal and written instructions from a supervisor or foreman.
- While on the job site, personnel must comply with OSHA Safety and Health Standards for the Construction Industry and with each of the safety procedures required by the NorthStar safety program on the project.

- All personal work injuries must be reported to a supervisor immediately.
- All unsafe conditions or unsafe acts must be reported immediately to a supervisor.
- Whenever overhead work is conducted or heavy equipment is being used, hard hats must be worn by all personnel while on the job site.
- Employees must use their personal protective equipment as required by law, including but not limited to head, hearing, eye, hand, foot, and fall protection devices.
- When required, protective clothing, including hood and booties, will be worn correctly.
- When required, assigned respiratory protection equipment will be worn.
- If respirators are a requirement of the job, they will not be removed while in the work area for any reason.
- During working hours, appropriate clothing must be worn when not in containment area, including shirts, long pants and protective toe shoes.
- If air sampling equipment has been attached to an individual, this equipment must be left alone and unobstructed until instructed to remove it.
- There will be absolutely no smoking within the work zone.
- Good housekeeping by all personnel is considered mandatory.
- Employees will not engage in horseplay, practical jokes, or mischief while on the job site or Company property.
- Fighting or attempting bodily injury to another employee or Company visitor while on the jobsite or Company property is not permitted.
- Unauthorized use of, or willful or wanton neglect in the care and/or use of Company property is not permitted.
- Falsifying Company records and/or reports will not be tolerated.
- Only the person who tags-out or locks-out equipment is allowed to remove such a tag or lock from the equipment.

6.0 Site Hazards

6.1 Backing Field Vehicles

Implement the following precautions to prevent incidents during backing of field vehicles:

- Avoid backing whenever possible; ensure field vehicles are equipped with operational backup alarms.
- If backing is required, there MUST BE a spotter. If a spotter is not available, the driver MUST walk completely around the vehicle before backing up.
- When backing is likely to be a part of the activities, it must be discussed in the daily safety briefings.
- Learn your vehicle's blind spots.

6.2 Equipment Maintenance

Only trained and authorized personnel shall perform equipment repairs and maintenance. To prevent getting caught, pinched or injured by machine parts, machines must be turned off and locked out during most maintenance. Only manufacturers approved replacement parts, fluids, etc. shall be used. NorthStar employees will add fluids as necessary but will not make any more involved or serious repairs than that. Minor repairs including fluid and belt changes, surface hard facing, welding repairs, replacement of blades and teeth will be performed on site by competent and experienced NorthStar personnel. Major repairs including repair/rebuild of engine and transmission components may require a subcontracted mechanic. All subcontractors must follow the provision of this Health and Safety Plan along with all site rules.

6.3 Fire Prevention

To protect against fires, follow the following precautions:

- Type ABC fire extinguishers will be available on site to contain and extinguish small fires. The local fire department shall be summoned in the event of any fire on site.
- Fire Extinguishers shall be provided so that the travel distance from any work area to the nearest extinguisher is less than 50 feet. Fire extinguishers must also be present on aerial lifts and heavy equipment.
- Extinguishers must 1) be fully charged and in operable condition 2) be visually inspected each month, and 3) undergo a maintenance check each year. Never use an extinguisher past its annual maintenance check (paper tag).
- Keep the area in front of the extinguisher clear.
- Combustible materials stored outside should be at least 10 feet from any building.
- Solvent waste and oily rags must be kept in a fire resistant covered container until removed from the site.
- Flammable/combustible liquids must be kept in approved containers (fuel tanks or safety cans). All containers must be labeled as to their contents.
- Smoking is allowed only in designated areas.

6.4 Hand and Power Tools

Only authorized trained workers will be allowed to use powered hand tools. The hand tools expected to be used on this project include power saws, shears, string trimmers, mattocks, and shovels. The following safety guidelines should be followed:

- Keep hand and power tools in safe condition and use only for the task they were designed.
- Remove damaged and defective tools from service. "Red tag" tools requiring repair and document what is wrong with the tool before returning it to the warehouse or tool room.
- Power tools designed with guards must be equipped with those guards when in use.
- Do not carry sharp tools in pockets.
- Clean tools and return to the job box when finished using.
- Do not throw tools from place to place, from person to person, or drop from heights.

6.5 Drilling Operations

Drilling/ boring/auguring in soil activities for the collection of soil samples are covered by this procedure. Drilling methods may include cable tool, rotary drilling, hollow stem auger drilling, rotary sonic drilling, and direct push. Specific hazards and safety rules concerning drilling operations can be categorized with the use of the acronym PRIME – personnel, rig, inhalation, mast, and evaluate.

- Personnel
  - Employees involved in the operation should not wear loose-fitting clothing, or other items such as rings or watches that could get caught in moving parts. Persons with long hair should have it constrained. Minimum protective gear includes steel-toed shoes, hearing protection, hard hats, and eye protection.
  - The rig must be equipped with adequate supplies of first aid materials. At least one member of the crew should be qualified to render first aid.
  - Smoking or use of spark-producing equipment around drilling operations is prohibited because flammable gases may be released from the subsurface environment.

- Rig

- The drill gear boxes (transmission for rotary drive, feed control, etc.) should be placed in neutral while an operator is not at the controls. The operator must shut down the rig engines prior to leaving the immediate vicinity of the drill.
- The drill rig should not be operated during severe inclement weather.
- Personnel should be warned to "stand clear" prior to rig start up.
- The rig should be leveled and stabilized with jacks and adequate cribbing before raising the mast.

- Inhalation
  - Wear the appropriate respiratory and dermal protection if exposure to hazardous vapors or contaminated cuttings and fluids is a possibility.
  - Cuttings, drilling liquids, and ground water may be contaminated. The presence of hazardous constituents should be evaluated, and the fluids managed accordingly. Direct contact with these materials should be avoided.

- Mast and Drill
  - Rig personnel and visitors should be cleared from areas to the side and behind the rig before raising the mast.
  - The mast must never be in the raised position when the drill rig is driven.
  - A signal man should be designated to assist with backing and when raising the mast.
  - The single most common fatal occupational accident among drillers is rig contact with overhead power lines. The driller must check for overhead power lines before raising the mast.
  - Before drilling the driller should secure and lock in place according to the manufacturer's instructions.
  - The drill rig must be provided with a kill wire or switch which is kept in working order, and adequately labeled. Personnel should be familiar with the location of the kill switch.
  - When heavy objects are hoisted aloft there is a danger of them coming down in an uncontrolled manner and at an unwanted time.
  - Rig maintenance is a critical item. The driller should have a program of regular maintenance. Many companies have checklists to assist in maintenance.
- Evaluate
  - What could go wrong here, and if it does, what is the probable outcome?
  - What attitudes are prevalent among the drillers?
  - If the attitudes are unfavorable, what should I do to change them?

Common accidents at drilling sites include contact with underground or above ground electrical utilities, rig turnover, blow-out of pressurized hoses, falling objects, pinching between rods, caught on augers, cathead, or other moving parts, and falls. Good housekeeping, proper machine maintenance, appropriate PPE, and common sense should be used at all times during drilling operations.

6.6 Heat Stress Recognition and Control

This work will be conducted during the summer months; a worker may produce as much as 2 to 3 gallons of sweat during strenuous activities. It is essential water intake be about equal to the amount of sweat produced. Most workers exposed to hot or strenuous conditions drink fewer fluids than needed because of an insufficient thirst drive.

SYMPTOMS AND TREATMENT OF HEAT STRESS

Type of Heat Stress	Signs and Symptoms	Treatment
Heat Syncope	Sluggishness or fainting while standing erect or immobile in heat.	Remove to cooler area. Rest lying down. Increase fluid intake. Recovery usually is prompt.
Heat Rash	Profuse tiny raised red blister-like vesicles on affected areas, along with prickling sensations during heat exposure.	Use mild drying lotions and powders, and keep skin clean for drying skin and preventing infection.
Heat Cramps	Painful spasms in muscles used during work (arms, legs, or abdomen); onset during or after work hours.	Remove to cooler area. Rest lying down. Increase fluid intake.
Heat Exhaustion	Fatigue, nausea, headache, giddiness; skin clammy and moist; complexion pale, muddy, or flushed; may faint on standing; rapid thready pulse and low blood pressure; oral temperature normal or low.	Remove to cooler area. Rest lying down, with head in low position. Administer fluids by mouth. Seek medical attention.
Heat Stroke	Red, hot, dry skin; dizziness; confusion; rapid breathing/pulse; high temperature.	Cool rapidly by soaking in cool – but not cold – water. Call ambulance and get medical attention immediately.

6.7 Housekeeping

An orderly and organized worksite is safer and more efficient than a disorganized one. General "good housekeeping" practices include:

- Walkways and common paths of travel including stairs and scaffolds should be established and kept free from the accumulation of materials.
- Access to aisles, exits, ladders, stairways, scaffolding, and emergency equipment should be kept free from obstructions and obstacles.
- Keep walkways free from slipping hazards such as spilled liquids, snow, or ice.
- Specific areas should be designated for the proper storage of materials and equipment.
- Return tools and equipment to the job boxes when done using them.
- As work progresses, scrap and unessential materials must be neatly stored or removed from the work area.
- Place trash and debris into appropriate containers and empty those containers on a daily basis.
- Clean up leaks and spills of liquids immediately.

6.8 Material Handling / Lifting Hazards

Strains and sprains in backs and extremities are possible due to overexertion in lifting, pulling and pushing loads. Workers shall have training in proper lifting techniques and back injury prevention. Employees must get assistance when lifting irregular shaped or heavy objects and use proper lifting techniques. Multiple cases must be handled on a pallet with a pallet jack or a forklift. Use of handcarts and other mechanical material handling devices is recommended. Exercise care to avoid overexertion.

The following guidelines will be followed whenever lifting equipment or any other objects that are of odd size or shape, or that weigh over 40 pounds.

All workers shall follow these basic guidelines when lifting:

- Get help when lifting heavy loads. Heavy items will only be lifted using a two-person lift.
- When moving heavy objects such as drums or containers, use a dolly or other means of assistance.
- Plan the lift. If lifting a heavy object, plan the route and where to place the object. In addition, plan communication signals to be used (i.e., "1, 2, 3, lift," etc.)
- Wear sturdy shoes in good conditions that supply traction when performing lifts.
- Keep your back straight and head aligned during the lift and use your legs to lift the load – do not twist or bend from the waist. Keep the load in front of you – do not lift or carry objects from the side.
- Keeping the heavy part of the load close to your body will help maintain your balance.

6.9 Noise Hazards

Noise-induced hearing loss is a potential hazard caused by exposure to loud and prolonged noise (e.g., work around heavy equipment, power tools, pumps, generators). Suspected high noise operations will be evaluated to determine if hearing protective devices should be worn in accordance with NorthStar Hearing Conservation Program. A general field rule is to wear hearing protection if you cannot hear normal conversation within an arm length of the person talking. Hearing protective devices (HPD) are personal protective equipment worn by employees as protection against harmful noise levels which may result in temporary or permanent noise-induced hearing loss.

Generally, HPD include equipment such as earplugs and earmuffs. Non-Mandatory Use of HPD: HPD are offered (i.e. non-mandatory) to employees included in similar exposure group (SEG) which have an exposure profile that is less than 90 dB for an 8-hour TWA. Mandatory Use of HPD: Mandatory use of HPD is enforced for the following conditions:

- For SEG which have an exposure profile of 90 dB or more for an 8-hour TWA.
- For any employee who has experienced a Standard Threshold Shift (STS).
- When administration of the audiometric test is postponed for any period from the time the employee is first exposed to noise at or above 85 dB, until the baseline audiometric test is conducted.

Site employees are responsible for:

- Wearing the appropriate HPD when and where required and in accordance with the training provided.
- Informing site management of any noise hazards which may not be addressed sufficiently, including any other concerns regarding this program.
- Following the appropriate procedures for the use, care, inspection, and maintenance of HPD.
- Notifying site management immediately if a HPD does not fit properly, causes irritation, or interferes with spoken instructions or warning signals to that suitable hearing protectors can be obtained.

6.10 Job Task / Hazard Table

The table below is a summary overview of the anticipated hazards and risks for the major portions of the scope of work. This table is not a replacement for the required Hazard Analysis to be prepared by the field crew before beginning the day's task.

- High - Exposure likely more than 50% of the time Med - Exposure likely 10-50% of the time
- Low - Exposure likely less than 10% of the time N/A – Exposure not anticipated

Job Task		Chem. Hzds.	Fire Hzds.	Lifting Hzds.	Mech'l Hzds.	Electrical Hzds.	Heat/ Cold Stress	Slip/Trip / Fall	Noise	Cuts
1	Site mobilization	N/A	Low	Med	Low	N/A	N/A	Low	Low	Low
2	Soil Screening/ Soil Sampling	Med	Med	High	High	High	High	High	High	High
3	Groundwater Screening	Med	Low	Low	High	Med	High	High	High	Med
4	Groundwater sampling	Med	Low	Low	Low	Low	Med	Med	Low	Med
5	Site Restoration	Low	Low	Med	Med	Low	Med	Med	Med	Low
TASK MINIMUM PROTECTIVE CLOTHING/EQUIPMENT REQUIREMENTS										
2-6	Steel-toed boots, safety glasses, work gloves, high-visibility shirt or vest, and hard hats. Hearing protection during equipment operation.									

7.0 Equipment and Supplies

7.1 Personal Protective Equipment

Work will be conducted onsite in Level D PPE. The required PPE for Level D for all invasive work at this site is as follows:

- ANSI approved safety glasses + side shields
- Ear plugs or muffs
- Steel-toed boots
- Work gloves (leather)
- High visibility vest (ANSI / ISEA 107-2004)

Personnel within the work area are to wear the specified PPE during invasive site activities in accordance with this HASP. Invasive site activities include media sampling, drilling, or any activity that disturbs soil or increases exposure risks.

7.1.1 Limitations of Protective Clothing

The protective equipment ensembles selected for this project are anticipated to provide protection against the types and concentrations of hazardous materials that may potentially be encountered during operations. However, no protective garment, glove or boot is resistant to all chemicals at any concentration; in fact, chemicals may continue to permeate or degrade a garment even after the source of the contamination is removed.

In order to obtain optimum usage from PPE, the following procedures are to be followed by all NorthStar personnel:

- When using disposable coveralls, don a clean, new garment after each rest break or at the beginning of each shift
- Inspect all clothing, gloves and boots both prior to and during use for:
  - Imperfect seams
  - Non-uniform coatings
  - Tears
  - Poorly functioning closures
- Inspect reusable garments, boots and gloves both prior to and during use for:
  - Visible signs of chemical permeation such as swelling, discoloration, stiffness or brittleness
  - Cracks or any signs of puncture or abrasion

Any reusable garments exhibiting any such characteristics will be discarded. Contaminated garments will be disposed in accordance with the regulatory waste handling and disposal requirements for those contaminants.

7.2 Health and Safety Equipment

- NorthStar Policies and Procedures (relevant to project)
- First Aid kits
- Drinking water
- Type ABC fire extinguishers
- Personal decontamination supplies
- Portable eyewash station

7.3 Engineering Controls to be Used (as applicable)

- Traffic cones
- Caution tape

7.4 Instrumentation to be Used

- VOC detector

8.0 Responsibilities

NorthStar will strictly adhere to the provisions of this health and safety plan, along with the applicable regulations issued by governmental entities. NorthStar will coordinate safety activities as needed with customer representatives.

8.1 NorthStar Health and Safety Manager

The Health and Safety Manager is responsible for verifying that the project is conducted in a safe manner including the following obligations:

- Verify the SSHASP is current and amended when project activities or conditions change.
- Manage the site and interface with third parties in a manner consistent with our contract/subcontractor agreements and the applicable standard of reasonable care.
- Ensure that programs are effectively functioning to prevent and control hazards on the project.
- Verify that all employees working in the field have the appropriate level of HS&E training, medical surveillance, and drug and alcohol testing for their job duties including required specialty training.

- Maintain active and visible involvement using open communication with employees regarding safety issues on the project.
- Verify that safety meetings are conducted and document in the project file as needed throughout the course of the project.
- Post required information on-site, including Occupational Safety and Health Administration (OSHA) job-site posters.
- Maintain HS&E records and documentation.
- Verify that all forms, permits, and hazard assessments are being used as outlined in this plan.
- Verify appropriate PPE use and availability.

8.2 Project Manager

The Project Manager is responsible for ensuring that the necessary personnel are available for the contracted responsibilities for this project, and that the reporting, scheduling, and budgetary obligations for the project are met. The project manager is ultimately responsible for ensuring that all project activities are completed in accordance with requirements set forth in this plan, including the following obligations:

- Ensure that the overall HS&E goals are fully and continuously implemented.
- Promote a safety culture with onsite personnel and set the example for safe behavior.

8.3 Superintendent

The Superintendent is responsible for the project's safety program and procedures and the assurance that they are followed. Each Project Superintendent in conjunction with the EHS Representative will have the overall responsibility for field implementation of the HASP. This includes communicating site requirements to all onsite project personnel.

To achieve these objectives, the Site Superintendent must provide the following:

- Consider the safety factor in planning all job site operations.
- Ensure orientation training is conducted for each new employee arriving at the project including site visitors explaining NorthStar safety policies and hazards specific to that person's work or visit. Communicate team approach to safety.
- Ensure the project site is adequately supplied with general personal protective equipment (PPE) such as safety glasses, vests, fall protection equipment and hearing protection. Need to ensure that any specialty equipment is onsite well ahead of time needed.
- Ensure that hazard analyses are reviewed and used by work crews before engaging in site activities.
- Ensure that housekeeping for all areas of the site is acceptable.
- Ensure that adequate sanitation facilities and potable drinking water is provided for employees.
- Correct any unsafe acts or conditions immediately.
- Ensure foremen and other staffs are adequately trained to perform work safely.
- Ensure incident reports and investigations are completed/submitted in a timely fashion.

8.4 Site Employees & Subcontractors

All personnel are assigned responsibility for safe and healthy operations. This concept is the foundation for involving all employees in identifying hazards and providing solutions. For any operation, individuals have full authority to stop work and initiate immediate corrective action or control. In addition, each worker has a right and responsibility to report unsafe conditions/practices. Each employee is responsible for the following:

- Perform work in a safe manner without injury, illness, or property damage.

- Perform work in accordance with company policies, and report near misses, injuries, illnesses, and unsafe conditions.
- Report all hazardous conditions and/or hazardous activities immediately to a supervisor for corrective action.
- Intervene when an unsafe behavior and/or condition is observed.

Complete a Site Safety Orientation prior to being authorized to enter the project work areas.

9.0 Respirators

Respirator use is not anticipated during the course of this project. However, should site conditions change and their use be required work will be immediately stopped. The NorthStar Project Manager and Health and Safety Manager will be notified. Work will not resume until the conditions requiring respirator use are abated or the following requirements can be met.

Engineering controls and safe work practices (e.g. elimination of the source of contamination, ventilation equipment, limiting exposure time, etc.) must always be the primary control for air contaminants. Respirators will be used if engineering or work practice controls are not feasible for controlling airborne exposures below acceptable concentrations and as an interim control measure while engineering or work practice controls are implemented.

Once the need for respirators has been established, the respirators will be selected on the basis of the hazards to which the worker is exposed. Only NIOSH-approved respirators will be issued. Selection criteria established in 29 CFR 1926.103 has been used by the HASP Preparer in determining respirator requirements for this project. Appropriate updates will be made to this document at the time the need for respirators is established.

10.0 Decontamination Procedures

10.1 Personnel Decontamination

Whenever respirators and accompanying PPE are used, the following steps will be followed whenever personnel leave the work area. During other activities where lesser PPE is worn, personnel will remove soiled items and wash their hands and face before eating, drinking, etc.

- Remove all equipment that requires cleaning to the cleaning area.
- Remove boot covers (if used).
- Remove outer disposable coverall and place in bag for disposal.
- Remove gloves.
- Remove hardhat and eye protection.
- Proceed to wash facilities and wash hands and face.

Each worker will be responsible for cleaning, sanitizing and storing their own respirator in accordance with manufacturer's guidance (i.e., washing in warm water and detergent or sanitizing solution, air drying, and storing in a plastic storage bag.)

10.2 Sanitation / Wash / Change Facilities

Sanitation facilities are provided in the form of portalets and handwashing stations located at the site. As needed, facilities will be moved around the site to provide coverage to work areas.

Potable water will be made available at the site from commercially available bottled water. Sources of non-potable water shall be clearly labeled as such.

11.0 Training and Medical Surveillance

NorthStar site personnel receive training in accordance with their assigned job responsibilities. Training is identified to ensure all employees and subcontractors have been appropriately trained, possess the required qualifications, and are competent to perform their assigned tasks. All personnel working onsite who may encounter the chemical constituents of concern will be enrolled in a medical monitoring program and will meet the HAZWOPPER training requirements promulgated by OSHA.

APPENDIX A

Field Forms

NORTHSTAR GROUP SERVICES, INC.
CLAIMS REPORTING PROCEDURE

TABLE OF CONTENTS

PAGE	DESCRIPTION
1	Reporting Procedures
2	Employee Injury & Investigation Report
3	Employee Statement of Injury
4	Witness Statement
5	Employee Work Accident Release Form
6	Auto Accident Report
7	General Liability Loss Report
8	Daily Safety Meeting

These forms can be found in the following directory folders:

SharePoint: Environmental Health & Safety / EH&S Documents / Incident Reporting AND
New York Shared: Health & Safety / Forms / Accident Prevention and Mgmt.

*New York: Health & Safety / Workers Comp

NorthStar

SECTION 1 - PURPOSE

To describe the procedures for informing management of incidents and assuring timely responses, from various Company resources, to help resolve any issues resulting from an incident.

Incident - an unplanned event resulting in personal injury, occupational illness, property damage, vehicle or equipment accident, loss of assets, fire or explosion, spill or release, or adverse publicity.

SECTION 2 - POLICY

All incidents having either an immediate or potential effect on the safety and well-being of Company employees or property, our client's employees or property, the general public or other private property, will be reported and recorded within the time frame allocated.

It is company policy to voluntarily comply with all employee and visitor accident, injury and illness reporting requirements established by OSHA, State Workers Compensation Agencies, and NorthStar's Insurance Claims Service.

2.1 Reporting Sequence

Company personnel are required to immediately report all incidents to their supervisor.

The supervisor will immediately notify the assigned Health and Safety Officer or, if unavailable, the Corporate Safety Office in Orange, Texas at 409.886.3959. The assigned Safety Officer will then immediately notify Corporate Safety and the Branch and Operations Managers.

All incidents to be reported include:

- All accidents with injury regardless if on-site first aid or medical treatment;
- All motor vehicle or equipment accidents with or without injuries;
- All Fires / explosion with or without injuries and regardless of property damage;
- All spills and/or releases of hazardous substances regardless of quantities involved;
- All incidents with property damage.

2.2 Documentation Submittal

Incident documentation (i.e. Employee Injury & Investigation Report and doctor's reports, etc.) are required within 24 hours of incident or first notice to supervisor. Send ALL incident documentation to both the following claims managers:

Kendra Shelton
NorthStar/LVI Claims Manager
1201 S. Childers Road
Orange, TX 77630

Marlene Haworth
NorthStar/NCM Claims Manager
8160 304th Ave. SE
Preston, WA 98027 kshelton@lviservices.com
mhaworth@ncmgroup.com

NorthStar

Employee Injury & Investigation Report

INCIDENT INFORMATION

Date of Incident:	Time:	Branch Location:	Co. #

Job Number:	Job Name:	OCIP Yes No

Job Address:	Shift Start/End Time:	Days/Wk. & Hrs./Day:

Project Manager Name:	Supervisor Name:
Date of Report *(if different from Date of Incident)*:	Supervisor Contact #:

Project Supervisor Notified? Yes No	When?	Who?
Health & Safety Representative Notified? Yes No	When?	Who?

INJURED EMPLOYEE

Name:	Address:

Sex: Male Female	Age:	DOB:	Phone:

Occupation & Code *(A=Asb, D=Demo, O=Other)*:	SSN:	Emp. #:	Date of Hire:

Wage Rate:	# of Dependents:	Marital Status:	Yrs of Exp:

Injured Part of Body:	Remarks:	*Mark if Employee was NOT on duty at time of injury*

Nature of Injury				
Dislocation	Bruise/Contusion	Carbon Monoxide	Strain / Sprain	Scratch/Abrasion
Laceration/Cut	Fracture	Crushing	Internal	Foreign Body
Other (Specify):	Burn/Scald	Electrical Shock	Slip/Trip/Fall	Chemical Reaction

Treatment	Treating Physician or Facility:	
First Aid on Site	Address:	
Occupational Clinic	Phone:	
Emergency Room	Hospitalization	Other:

How was employee transported to Physician or Facility:

DAMAGED PROPERTY

Property Damaged:
Describe Damage:
Object or Substance Inflicting Damage:

DAMAGED EQUIPMENT

NorthStar Equipment	Rental Equipment
Rental Company Name:	Equipment Serial #:
Describe Damage:	
Object or Substance Inflicting Damage:	

NorthStar

Employee Injury & Investigation Report

DESCRIBE WHAT HAPPENED (attach Employee Statement of Injury form, include photographs if necessary)

WITNESSES (attach Witness Statement forms for each)

Please list the name, contact number and address of any witnesses:

THIRD PARTY

Was cause of incident due to negligence of a 3rd party?	**Yes**	**No**	
Provide Name:		**Phone:**	
Address:			
Employer Name/Address:			***Mark if Employee was NOT on duty at time of injury***
Injured Name:	**Employee #:**	**DOI:**	

INCIDENT ANALYSIS

Using the root cause analysis list below, explain the cause(s) of the incident in as much detail as possible:

Were Safeguards or Safety Equipment Provided?	Yes	No	**Were They Used?**	Yes	No
As a result of this incident, was employee Drug Tested?	Yes	No	**Was employee Alcohol Tested?**	Yes	No

ROOT CAUSE ANALYSIS (Mark All That Apply)

Improper work technique	Extreme temperature (hot or cold)	Lack of written procedures or policies
Safety rule violation	Congested work area	Safety rules not enforced
Improper PPE or PPE unused	Hazardous substance	Hazards not identified
Operating without authority	Fire or explosion hazard	Safety equipment unavailable
Failure to warn or secure	Inadequate ventilation	Insufficient work training
Operating at improper speed	Improper material storage	Insufficient supervisor training
By-passing safety devices	Improper tool or equipment	Improper maintenance
Guards not used	Insufficient knowledge of job	Non-compliance not corrected
Improper loading or placement	Slippery condition	Inadequate job planning
Improper lifting	Poor housekeeping	Inadequate job oversight
Line of Fire	Excessive noise	Inadequate workplace inspections
Horseplay	Inadequate guarding of hazards	Inadequate equipment
Drug or Alcohol use	Defective tools/equipment	Unsafe design or construction
Unnecessary haste	Insufficient lighting	Inadequate communication of expectations
Unsafe act of others	Inadequate fall protection	Improper performance is rewarded
Other (Specify):		

NorthStar

Employee Injury & Investigation Report

PREVENTIVE ACTIONS			
Describe actions that will be taken to prevent recurrence:	**Deadline**	**By Whom:**	**Date Completed**

REPORT REVIEW		
Supervisor's Signature:	**Print Name:**	**Date:**
Safety Officer Signature:	**Print Name:**	**Date:**

NorthStar

Employee Statement of Injury

Declaracion de Herida del Empleado

Completed by Employee:	Completed by Translator:	Translator Signature:

Name:	Date of Birth:
Nombre	*Fecha de Nocimiento*

Date Injury Occurred:	Time Injury Occurred:
Fecha ocurrida de la herida	*Hora ocurrida de la herida*

Name/Title of Person Notified:

Nombre/Titulo de la persona que Notific

Date Injury Reported:	Time Injury Reported:
Fecha del Roporte de la Herida	*Hora del Reporte de la Herida*

Address Where Injury Occurred:

Direccion donde ocorrio la Herida:

Location Where Injury Occurred: *(Docks, Stairs, etc.)*

Ubicacion donde ocurrio la Herida:

Describe in your own words how and why the injury occurred: *Describa consus propias palabias como y Porque la herida ocurrio*	
Type of Injury *(Cut, Sprain, etc.)*: *Tipo de Herida*	
Part(s) of Body Injured: *Partes Heridas del cuerpo*	
List Name(s) of any Witnesses: *Nombre de los Testigos*	

Employee Signature
Firma del Empleado

Date of Signature
Fecha de la Firma

NorthStar

Witness Statement

Name:	**Phone:**
Address:	**Employer**
Date of Incident:	**Time Incident Occurred**
Address where incident occurred:	
Location Where Incident Occurred (i.e. Docks, Stairs):	
Describe in your own words how the incident occurred:	

Witness Signature	**Date of Signature**

NorthStar

Employee Work Accident Release Form

Branch Location:	
Date of Incident:	**Time Incident Occurred**
Employee Name:	**Social Security #:**
Supervisor:	**Project location:**
Nature of Injury, Body Part Affected:	

The undersigned employee has been involved in an accident during the course of employment and has been requested by his/her employer to report to the company medical provider for examination and treatment of any work related injury arising from the accident. The undersigned employee has chosen to **refuse to report for a medical examination and medical treatment**. The refusal is because the undersigned has not sustained any injury from the accident. In consideration of the foregoing, the undersigned employee hereby releases forever his/her employer, NorthStar Group Services and all of its affiliates, from all claims and liability arising from the accident which occurred in the course of his/her employment as indicated below.

Employee Signature	**Date of Signature**
Witness Signature	**Date of Signature**

Other Property Damage:

NorthStar

Auto Accident Report

NORTHSTAR VEHICLE INFORMATION

Vehicle #:	Year:	Make:	Model:	VIN #:

Plate #/State:	Drivable	Towed	If Towed, Where?

Did the accident occur on a jobsite? Yes No	If Yes, Job No:	Job Name:

NGS Owned	Leased	NGS Branch or Leasing Co.:

Vehicle Damage:

NORTHSTAR DRIVER INFORMATION

Driver Name:	DOB:	Branch Employed:

Address:	Phone:	License #/State

Injuries? Yes No | If Yes, List Injuries:

Treatment Facility:

THIRD PARTY INFORMATION

Driver Name:	Phone:	License #/State:

Address:	Vehicle:	Plate:

Insurance Co.:	Policy #:	Phone:

Vehicle Owner:	Address:	Phone:

Vehicle Damages: | If Towed, Where?

Injuries? Yes No | If Yes, List Injuries:

Treatment Facility:

PASSENGER INFORMATION

NGS Passenger:	Address:	Phone:

Injuries:

Other Party:	Address:	Phone:

Injuries:

Other Party:	Address:	Phone:

Injuries:

INCIDENT INFORMATION

Date of Incident:	Time of Incident:
Date Reported to NGS:	Time Reported to NGS:
Witness Name (1):	Witness Phone:
Witness Name (2):	Witness Phone:
Authorities Contacted: Police Fire Ambulance	Agency Name:
Agency Address:	

NorthStar

Auto Accident Report

Phone:		**Report #:**	
Description of Incident:			
Phone:		**Report #:**	
Location of Incident:	**City:**	**County:**	**State:**
On: *Street or Highway*		**At:** *Intersection*	
Describe any condition or activity that may have contributed to the incident:			
Other Property Damage:			

REPORT REVIEW

Investigated By:	**Print Name:**	**Date:**
Reviewed By:	**Print Name:**	**Date:**

NorthStar

General Liability Loss Notice

PROJECT INFORMATION

Branch Location:	**VP CO#:**	**Project #:**	**Report Date:**
Project Name:	**Job Address:**		
Project Manager:	**Supervisor:**		
General Contractor:	**GC Contact:**	**Phone:**	
Property Owner:	**Owner Contact:**	**Phone:**	
NGS Contracted With:			
NGS Sub-Contractors:			

BODILY INJURY

Name of Injured:	**DOB:**	**Phone:**
Address:	**Estimated Cost:**	
Employer:	**Employer Address:**	
Description of Injury:	**Medical Facility:**	

PROPERTY DAMAGE

Property Owner:	**Owner Contact:**	**Phone:**
Address:	**Estimated Cost:**	
Description of Property:	**Property Damage:**	
Is NGS Contracted with Injured Employer? **Yes** **No**	**If Yes, Please Explain:**	

INCIDENT INFORMATION

Date of Incident:		**Time of Incident:**	
Date Reported to NGS:		**Time Reported to NGS:**	
Witness Name (1):		**Witness Phone:**	
Witness Name (2):		**Witness Phone:**	
Authorities Contacted: **Police** **Fire** **Ambulance**		**Agency Name:**	
Agency Address:			
Phone:	**Report #:**		
Description of Incident:			
Phone:	**Report #:**		
Location of Incident: **City:**	**County:**	**State:**	

NorthStar

General Liability Loss Notice

On: *Street or Highway Name*	**At:** *Intersection*
Describe any condition or activity that may have contributed to the incident:	
List any other parties involved:	

PROVIDE THE FOLLOWING DOCUMENTS:

NorthStar contracts with all parties involved and related Certificates of Insurance.

Forward Copies to: Corporate Safety Office, Regional Safety Manager, Branch Safety, Branch Manager/Company President

REPORT REVIEW		
Investigated By:	**Print Name:**	**Date:**
Reviewed By:	**Print Name:**	**Date:**

NorthStar

Daily Safety Meeting

Date:	11/18/20	Job Name:	US 27 at SR 70

1. **Work to be completed:** Direct push Soil Borings / Sampling, Well installed
2. **Hazards associated with this work:** Buried utilities, Traffic, overhead Falling Into
3. **Hazard control measures to be implemented:** struck by, Pinch Points
   Proper PPE

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment:	Level D+
Chemical Hazards:	Petro
Physical Hazards:	Slips and fall, Struck by Strains
Emergency Procedures:	911 System contact Supervisor

ATTENDEES

Print Name:	Signature:	Date:
Joshua Maynard		11/18/20
Josue Camarillo		11/18/20
Geoff Fields		11/18/20

Meeting Conducted by

Print Name:	Signature:	Date:
Greg Garrison		11/18/20

NorthStar

Daily Safety Meeting

Date:	Job Name:

1. Work to be completed:
2. Hazards associated with this work:
3. Hazard control measures to be implemented:

SAFETY TOPICS PRESENTED
Protective Clothing/Equipment:
Chemical Hazards:
Physical Hazards:
Emergency Procedures:

ATTENDEES		
Print Name:	Signature:	Date:

Meeting Conducted by		
Print Name:	Signature:	Date:

NorthStar

Daily Safety Meeting

Date:	Job Name:

1. Work to be completed:
2. Hazards associated with this work:
3. Hazard control measures to be implemented:

SAFETY TOPICS PRESENTED
Protective Clothing/Equipment:
Chemical Hazards:
Physical Hazards:
Emergency Procedures:

ATTENDEES		
Print Name:	Signature:	Date:

Meeting Conducted by		
Print Name:	Signature:	Date:

Job Name:_____ **TOOL BOX SAFETY MEETING** _____

Job Number:_____ Date of Training

CORONAVIRUS (COVID-19)

While the immediate risk of the Coronavirus Virus (COVID-19) to the American public seems to be low, we all can take precautionary steps, while at home or at work, to help contain this emerging public health threat:

How It Spreads

The virus spreads mainly from person-to-person contact between people who are in close contact with one another (within about 6 feet). Via respiratory droplets produced when an infected person coughs or sneezes. It may be possible to get COVID-19 by touching a surface or object that has the virus on it and then touching his or her own mouth, nose, or possibly their eyes.

Symptoms

For confirmed Coronavirus (COVID-19) cases, reported illnesses have ranged from mild symptoms to severe illness and death. Symptoms can include Fever, Cough and Shortness of breath.

Prevention

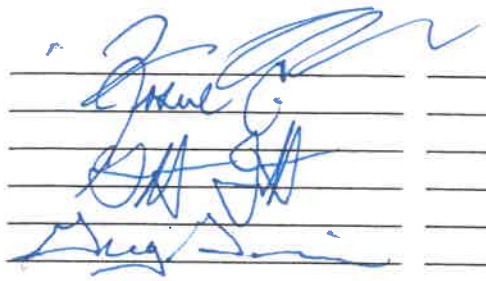
There is currently no vaccine to prevent coronavirus disease 2019 (COVID-19). The best way to prevent illness is to avoid being exposed to this virus. The Center for Disease Control (CDC) recommends everyday preventive actions, including:

- Avoid close contact with people who show signs of symptoms. .
- Avoid touching your eyes, nose, and mouth.
- Stay home when you are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash.
- Clean and disinfect frequently touched objects and surfaces using a regular household cleaning spray or wipe.
- Follow CDC's recommendations for using a facemask.
    - CDC does not recommend that people who are well wear a facemask to protect themselves from respiratory diseases, including COVID-19.
    - Facemasks should be used by people who show symptoms to help prevent the spread of the disease to others. However, the use of facemasks is also crucial for health workers and people who are taking care of someone in close settings (at home or in a health care facility).
- Wash your hands often with soap and water for at least 20 seconds, especially after going to the bathroom; before eating; and after blowing your nose, coughing, or sneezing.
    - If soap and water are not readily available, use an alcohol-based hand sanitizer with at least 60% alcohol. Always wash hands with soap and water if hands are visibly dirty.

COMMENTS:

No on site personal has symptoms

EMPLOYEE SIGNATURES SIGNIFYING ATTENDANCE:



APPENDIX C
LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY RECORDS

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

November 25, 2020

Phil Glover
Northstar
2760 S. Falkenburg Road
Riverview, FL 33578

RE: LOG# 2071033
Project ID: US27 SR 70 4020342
COC# 2071033

Dear Phil Glover:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, November 20, 2020. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Heyman for
Kacia Baldwin
kaciab@jupiterlabs.com

NELAP Accredited
FDOH# E86546
CERTIFICATE OF ANALYSIS
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without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE ANALYTE COUNT

Workorder: 2071033

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	Method	Analytes Reported
2071033002	Site 2 SB-2	EPA 8260C	10
		EPA 8310 List by 8270C SIM (S)	21
		SM 2540G	1

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Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE SUMMARY

Workorder: 2071033

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2071033001	Site 2 SB-1	Soil/Solid	11/18/2020 12:00	11/20/2020 06:00
2071033002	Site 2 SB-2	Soil/Solid	11/18/2020 13:25	11/20/2020 06:00
2071033003	Site 2 SB-3	Soil/Solid	11/18/2020 14:10	11/20/2020 06:00
2071033004	Site 2 SB-4	Soil/Solid	11/18/2020 16:25	11/20/2020 06:00

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Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 2071033

Project ID: US27 SR 70 4020342

Lab ID: **2071033002** Date Received: 11/20/2020 06:00 Matrix: Soil/Solid

Sample ID: **Site 2 SB-2** Date Collected: 11/18/2020 13:25

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: PAH List by 8270C SIM (S)					Preparation Method: EPA 3545 Analytical Method: EPA 8310 List by 8270C SIM (S)					
1-Methylnaphthalene	U	mg/Kg	0.554	0.138	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
2-Methylnaphthalene	U	mg/Kg	0.554	0.138	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Acenaphthene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Acenaphthylene	0.281	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Anthracene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Benzo(a)anthracene	U	mg/Kg	0.166	0.042	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Benzo(a)pyrene	U	mg/Kg	0.166	0.025	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Benzo(b)fluoranthene	U	mg/Kg	0.166	0.036	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Benzo(g,h,i)perylene	U	mg/Kg	0.166	0.042	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Benzo(k)fluoranthene	U	mg/Kg	0.166	0.042	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Chrysene	U	mg/Kg	0.166	0.042	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Dibenzo(a,h)anthracene	0.017i	mg/Kg	0.166	0.00996	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Fluoranthene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Fluorene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Indeno(1,2,3-cd)pyrene	U	mg/Kg	0.166	0.042	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Naphthalene	U	mg/Kg	0.554	0.138	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Phenanthrene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Pyrene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Nitrobenzene-d5 (S)	78	%	20-150		1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
2-Fluorobiphenyl (S)	82	%	30-150		1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
p-Terphenyl-d14 (S)	96	%	15-150		1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Volatiles by GC/MS										
Analysis Desc: BTEX/MTBE by 8260C (S)					Preparation Method: EPA 5035 Analytical Method: EPA 8260C					
Benzene	U	mg/Kg	0.00158	0.000363	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Ethylbenzene	U	mg/Kg	0.00158	0.000260	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Toluene	U	mg/Kg	0.00158	0.000315	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Dibromofluoromethane (S)	103	%	60-135		1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Xylenes- Total	U	mg/Kg	0.00158	0.000781	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Toluene d8 (S)	112	%	60-135		1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
m & p-xylene	U	mg/Kg	0.00158	0.000505	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
4-Bromofluorobenzene (S)	115	%	60-135		1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
o-Xylene	U	mg/Kg	0.00158	0.000276	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.00237	0.000875	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Wet Chemistry										

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ANALYTICAL RESULTS

Workorder: 2071033
Project ID: US27 SR 70 4020342

Lab ID: **2071033002** Date Received: 11/20/2020 06:00 Matrix: Soil/Solid
Sample ID: **Site 2 SB-2** Date Collected: 11/18/2020 13:25

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	89.2	%	0.1		1			11/23/2020 11:59	CR	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 2071033

Project ID: US27 SR 70 4020342

PARAMETER QUALIFIERS

PROJECT COMMENTS

2071033	A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

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QUALITY CONTROL DATA

Workorder: 2071033

Project ID: US27 SR 70 4020342

QC Batch: XXX/14286 Analysis Method: EPA 8310 List by 8270C SIM (S)

QC Batch Method: EPA 3545

Associated Lab Samples: 2071033002

METHOD BLANK: 211505

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by EPA 8270C				
Nitrobenzene-d5 (S)	%	63	20-150	
2-Fluorobiphenyl (S)	%	72	30-150	
p-Terphenyl-d14 (S)	%	83	15-150	
Naphthalene	mg/Kg	U	0.100	
2-Methylnaphthalene	mg/Kg	U	0.100	
1-Methylnaphthalene	mg/Kg	U	0.100	
Acenaphthylene	mg/Kg	U	0.050	
Acenaphthene	mg/Kg	U	0.050	
Fluorene	mg/Kg	U	0.050	
Phenanthrene	mg/Kg	U	0.050	
Anthracene	mg/Kg	U	0.050	
Fluoranthene	mg/Kg	U	0.050	
Pyrene	mg/Kg	U	0.050	
Benzo(a)anthracene	mg/Kg	U	0.030	
Chrysene	mg/Kg	U	0.030	
Benzo(b)fluoranthene	mg/Kg	U	0.026	
Benzo(k)fluoranthene	mg/Kg	U	0.030	
Benzo(a)pyrene	mg/Kg	U	0.018	
Dibenzo(a,h)anthracene	mg/Kg	U	0.00720	
Indeno(1,2,3-cd)pyrene	mg/Kg	U	0.030	
Benzo(g,h,i)perylene	mg/Kg	U	0.030	

LABORATORY CONTROL SAMPLE & LCSD: 211506 211507

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C										
Nitrobenzene-d5 (S)	%				71	74	20-150	4	40	
2-Fluorobiphenyl (S)	%				79	79	30-150	0.6	40	
p-Terphenyl-d14 (S)	%				81	82	15-150	2	40	
Naphthalene	mg/Kg	2	1.64	1.68	82	84	40-150	2	40	
2-Methylnaphthalene	mg/Kg	2	1.60	1.53	80	76	40-150	4	40	
1-Methylnaphthalene	mg/Kg	1.99	1.84	1.78	92	89	40-150	3	40	
Acenaphthylene	mg/Kg	1.97	1.40	1.49	71	76	40-150	6	40	
Acenaphthene	mg/Kg	2	1.77	1.69	88	84	35-150	5	40	
Fluorene	mg/Kg	1.96	1.61	1.54	82	78	40-150	4	40	

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QUALITY CONTROL DATA

Workorder: 2071033

Project ID: US27 SR 70 4020342

LABORATORY CONTROL SAMPLE & LCSD: 211506 211507

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Phenanthrene	mg/Kg	2	1.74	1.79	87	89	40-150	3	40	
Anthracene	mg/Kg	2	1.56	1.68	78	84	40-150	7	40	
Fluoranthene	mg/Kg	1.97	1.38	1.46	70	74	40-150	6	40	
Pyrene	mg/Kg	1.97	1.65	1.64	84	83	40-150	0.6	40	
Benzo(a)anthracene	mg/Kg	2	1.35	1.36	68	68	40-150	0.7	40	
Chrysene	mg/Kg	2	1.58	1.60	79	80	40-150	1	40	
Benzo(b)fluoranthene	mg/Kg	2	1.69	1.57	85	78	40-150	7	40	
Benzo(k)fluoranthene	mg/Kg	2	1.63	1.76	82	88	40-150	8	40	
Benzo(a)pyrene	mg/Kg	2	1.56	1.62	78	81	40-150	4	40	
Dibenzo(a,h)anthracene	mg/Kg	1.99	1.47	1.48	74	75	40-150	0.7	40	
Indeno(1,2,3-cd)pyrene	mg/Kg	2	1.37	1.24	69	62	40-150	10	40	
Benzo(g,h,i)perylene	mg/Kg	2	1.44	1.47	72	73	40-150	2	40	

MATRIX SPIKE SAMPLE: 211508 Original: 2071033002

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Semivolatiles by EPA 8270C							
Nitrobenzene-d5 (S)	%				79	20-150	
2-Fluorobiphenyl (S)	%				81	30-150	
p-Terphenyl-d14 (S)	%				85	15-150	
Naphthalene	mg/Kg	0	2.38	2.13	89	40-150	
2-Methylnaphthalene	mg/Kg	0	2.38	1.92	81	40-150	
1-Methylnaphthalene	mg/Kg	0	2.37	2.26	95	40-150	
Acenaphthylene	mg/Kg	0.251	2.34	1.86	69	40-150	
Acenaphthene	mg/Kg	0.00542	2.38	2.11	88	35-150	
Fluorene	mg/Kg	0	2.34	1.9	81	40-150	
Phenanthrene	mg/Kg	0.00321	2.38	2.2	92	40-150	
Anthracene	mg/Kg	0.00606	2.38	2.04	85	40-150	
Fluoranthene	mg/Kg	0.00513	2.35	1.79	76	40-150	
Pyrene	mg/Kg	0.02	2.34	2.08	88	40-150	
Benzo(a)anthracene	mg/Kg	0	2.38	1.69	71	40-150	
Chrysene	mg/Kg	0.00806	2.38	2.01	84	40-150	
Benzo(b)fluoranthene	mg/Kg	0.017	2.38	2	83	40-150	
Benzo(k)fluoranthene	mg/Kg	0.00782	2.38	2.08	87	40-150	
Benzo(a)pyrene	mg/Kg	0.012	2.38	2.03	85	40-150	
Dibenzo(a,h)anthracene	mg/Kg	0.015	2.36	1.81	76	40-150	
Indeno(1,2,3-cd)pyrene	mg/Kg	0.021	2.38	1.55	64	40-150	
Benzo(g,h,i)perylene	mg/Kg	0.022	2.38	1.79	74	40-150	

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QUALITY CONTROL DATA

Workorder: 2071033

Project ID: US27 SR 70 4020342

SAMPLE DUPLICATE: 211509 Original: 2071052001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C						
Nitrobenzene-d5 (S)	%	2050		22	40	
2-Fluorobiphenyl (S)	%	2180		21	40	
p-Terphenyl-d14 (S)	%	2730		22	40	
Naphthalene	mg/Kg	0	U	0	40	
2-Methylnaphthalene	mg/Kg	0	U	0	40	
1-Methylnaphthalene	mg/Kg	0	U	0	40	
Acenaphthylene	mg/Kg	0.248	0.275	4	40	
Acenaphthene	mg/Kg	0	U	0	40	
Fluorene	mg/Kg	0	U	0	40	
Phenanthrene	mg/Kg	0	U	0	40	
Anthracene	mg/Kg	0.0026	U	37	40	
Fluoranthene	mg/Kg	0.0032	U	49	40	
Pyrene	mg/Kg	0.00293	U	121	40	
Benzo(a)anthracene	mg/Kg	0	U	0	40	
Chrysene	mg/Kg	0.00287	U	96	40	
Benzo(b)fluoranthene	mg/Kg	0.00744	U	88	40	P1
Benzo(k)fluoranthene	mg/Kg	0.00374	U	97	40	
Benzo(a)pyrene	mg/Kg	0.00569	U	107	40	P1
Dibenzo(a,h)anthracene	mg/Kg	0.0042	U	32	40	
Indeno(1,2,3-cd)pyrene	mg/Kg	0.00786	U	89	40	P1
Benzo(g,h,i)perylene	mg/Kg	0.00916	U	87	40	P1

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QUALITY CONTROL DATA

Workorder: 2071033

Project ID: US27 SR 70 4020342

QC Batch: VXX/9991 Analysis Method: EPA 8260C

QC Batch Method: EPA 5035

Associated Lab Samples: 2070979001 2071033002

METHOD BLANK: 211510

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Volatiles by GC/MS				
Dibromofluoromethane (S)	%	99	60-135	
Toluene d8 (S)	%	109	60-135	
4-Bromofluorobenzene (S)	%	119	60-135	
tert-Butyl methyl ether (MTBE)	mg/Kg	U	0.00111	
Benzene	mg/Kg	U	0.000460	
Toluene	mg/Kg	U	0.000400	
Ethylbenzene	mg/Kg	U	0.000330	
m & p-xylene	mg/Kg	U	0.000640	
o-Xylene	mg/Kg	U	0.000350	
Xylenes- Total	mg/Kg	U	0.000990	

LABORATORY CONTROL SAMPLE & LCSD: 211511 211512

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				99	101	60-135	2	30	
Toluene d8 (S)	%				113	113	60-135	0.4	30	
4-Bromofluorobenzene (S)	%				123	122	60-135	0	30	
tert-Butyl methyl ether (MTBE)	mg/Kg	0.05	0.063	0.062	126	124	60-135	2	30	
Benzene	mg/Kg	0.05	0.051	0.055	103	111	60-135	8	30	
Toluene	mg/Kg	0.05	0.040	0.043	80	86	60-135	7	30	
Ethylbenzene	mg/Kg	0.05	0.046	0.050	93	101	60-135	8	30	
m & p-xylene	mg/Kg	0.1	0.089	0.098	89	98	60-135	10	30	
o-Xylene	mg/Kg	0.05	0.042	0.047	86	95	60-135	11	30	
Xylenes- Total	mg/Kg	0.149	0.131	0.145	88	97	60-135	10	30	

LABORATORY CONTROL SAMPLE & LCSD: 211513 211514

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Dibromofluoromethane (S)	%				97	97	60-135	0	30	
Toluene d8 (S)	%				107	108	60-135	0.9	30	
4-Bromofluorobenzene (S)	%				119	124	60-135	4	30	

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QUALITY CONTROL DATA

Workorder: 2071033

Project ID: US27 SR 70 4020342

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QUALITY CONTROL DATA QUALIFIERS

Workorder: 2071033

Project ID: US27 SR 70 4020342

QUALITY CONTROL PARAMETER QUALIFIERS

P1 RPD value not applicable for sample concentrations less than 5 times the PQL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2071033

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2071033002	**Site 2 SB-2**	SM 2540G	WGR/4708		
2071033002	**Site 2 SB-2**	EPA 3545	XXX/14286	EPA 8310 List by 8270C SIM (S)	XMS/7430
2071033002	**Site 2 SB-2**	EPA 5035	VXX/9991	EPA 8260C	VMS/9795

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J.E.L. Log # 207033
P.O. # _____
Quote # _____

Company Name Northstar
Address 2760 S Falkenburg Road
City Riverview State FL Zip 33578
Sampling Site Address
Attn: Phil Glover Email
Project Name US27 SR70 Project # 4020342
Sampler Name/Signature Geoff Fowler

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters: 8260 BTEX+MTBE	Parameters: 8270 PAH	Field Filtered (Y/N)
1	Site 2 SB-1	11/18/20	1200	S	4		H	H	
2	Site 2 SB-2	11/18/20	1325	S	4		✓	✓	
3	Site 2 SB-3	11/18/20	1410	S	4		H	H	
4	Site 2 SB-4	11/18/20	1625	S	4		H	H	
5									
6									
7									
8									
9									
10									

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
___ Standard
✓ Expedited
72 Hour
Due ___/___/___

Comments
1 Hold ~~Standard~~ GG
2 72 Hour
3 Hold ~~Standard~~ GG
4 Hold

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Phil L. Glover	11/19/20	900	Phil L. Glover	11-19-20	0900
Phil L. Glover	11-19-20	1950	Paul F	11/19/20	1050
Paul F	11/19/20	1900	F-Ex	11/19/20	1900
F-Ex	11/20/20	0600	[illegible]	11/20/20	0600

QA/QC level with report
None ___1___2___3___ See price guide for applicable fees

FDEP Dry Cleaning ❑ FDEP UST Pre-Approval ❑
SFWMD ❑ ADaPT ❑ DOT ❑

Temp Control: 1.8 °C

Page _____ of _____

207033

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2071033	**Profile:**	2621
Client:	Northstar	**Project:**	Phil Glover
Level:	1	**Date Rec'd:**	11/20/2020 6:00:00 AM
Rec'd via:	courier		

Cooler Check

ID	Temp	# of samples	Security Tape Present	Security Tape Intact	Method of Receipt	Comments
	1.8	4	☐	☐		

Checked By: MD

Sample Verification

Loose Caps?	No	**All Samples on COC accounted For?**	Yes
Broken Containers?	No	**All Samples on COC?**	Yes
pH Verified?	No	**Written on Internal COC?**	No
pH Strip Lot #		**Sample Vol. Suff. For Analysis?**	Yes
Acid Preserved Samples Lot #		**Samples Rec'd W/I Hold Time?**	Yes
Base Preserved Samples Lot #		**Are All Samples to be Analyzed?**	No
Samples Received From	courier	**Correct Sample Containers?**	Yes
Soil Origin (Domestic/Foreign	Domestic	**COC Comments written on COC?**	Yes
Site Location/Project on COC?	Yes	**Samplers Initials on COC?**	Yes
Client Project # on COC?	Yes	**Sample Date/Time Indicated?**	Yes
Project Mgr. Indicated on COC	Yes	**TAT Requested:**	RUSH
COC relinquished/Dated by Client?	Yes	**Client Requests Verbal Results?**	No
COC Received/Dated by JEL	Yes	**Client Notified of discrepancies?**	No
JEL to Conduct ALL Analyses?	Yes	**Do VOC vials have headspace or a bubble <6mm (1/4")?**	N/A
Number of Encores	0	**Number of Lab Filtered Metals**	0

Subcontract Analysis

Parameter	Via	Lab Name	Comments

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Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

December 1, 2020

Phil Glover
Northstar
2760 S. Falkenburg Road
Riverview, FL 33578

RE: LOG# 2071034
Project ID: US27 SR 70 4020342
COC# 2071034

Dear Phil Glover:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, November 20, 2020. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Heyman for
Kacia Baldwin
kaciab@jupiterlabs.com

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CASE NARRATIVE

Jupiter Environmental Laboratories Inc. Lab Reference No./SDG: 2071034

Client: Northstar

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. METHODS

Samples were analyzed according to JEL's Standard Operating Procedures for following Method(s):
EPA 8260C, EPA 8270/PAH SIM

III. Analysis

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Jupiter Environmental Laboratories, Inc., both technically and for completeness, for other than the conditions detailed in the SDG Narrative. Release of the data contained in this hardcopy data package and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

SIGNED: DATE: 12/1/20



John Heyman for
Kacia Baldwin
V.P. of Operations

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Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE ANALYTE COUNT

Workorder: 2071034

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	Method	Analytes Reported
2071034001	Site 2 TMW-2	EPA 8260C	10
		EPA 8270/PAH SIM	21

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SAMPLE SUMMARY

Workorder: 2071034

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2071034001	Site 2 TMW-2	Aqueous Liquid	11/18/2020 16:11	11/20/2020 06:00

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ANALYTICAL RESULTS

Workorder: 2071034
Project ID: US27 SR 70 4020342

Lab ID: **2071034001** Date Received: 11/20/2020 06:00 Matrix: Aqueous Liquid
Sample ID: **Site 2 TMW-2** Date Collected: 11/18/2020 16:11

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Volatiles by GC/MS										
Analysis Desc: BTEX/MTBE by 8260C (W)					Preparation Method: EPA 5030B Analytical Method: EPA 8260C					
Benzene	U	ug/L	1.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Ethylbenzene	U	ug/L	1.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Toluene	U	ug/L	1.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Xylenes- Total	U	ug/L	3.00	0.800	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
m & p-xylene	U	ug/L	2.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
o-Xylene	U	ug/L	1.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Dibromofluoromethane (S)	93	%	70-130		1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Toluene d8 (S)	93	%	70-130		1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
4-Bromofluorobenzene (S)	80	%	70-130		1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Semivolatiles by EPA 8270C										
Analysis Desc: PAH List by 8270C SIM (W)					Preparation Method: EPA 3510C SIM Analytical Method: EPA 8270/PAH SIM					
1-Methylnaphthalene	U	ug/L	0.100	0.050	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
2-Methylnaphthalene	U	ug/L	0.100	0.050	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Acenaphthene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Acenaphthylene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Anthracene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Benzo(a)anthracene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Benzo(a)pyrene	U	ug/L	0.050	0.015	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Benzo(b)fluoranthene	U	ug/L	0.050	0.015	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Benzo(g,h,i)perylene	U	ug/L	0.050	0.015	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Benzo(k)fluoranthene	U	ug/L	0.050	0.015	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Chrysene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Dibenzo(a,h)anthracene	U	ug/L	0.050	0.0050	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Fluoranthene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Fluorene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Indeno(1,2,3-cd)pyrene	U	ug/L	0.050	0.015	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Naphthalene	U	ug/L	0.100	0.050	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Phenanthrene	U	ug/L	0.100	0.050	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Pyrene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Nitrobenzene-d5 (S)	77	%	30-110		1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
2-Fluorobiphenyl (S)	69	%	30-110		1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
p-Terphenyl-d14 (S)	75	%	30-140		1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 2071034

Project ID: US27 SR 70 4020342

PARAMETER QUALIFIERS

PROJECT COMMENTS

2071034	A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

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QUALITY CONTROL DATA

Workorder: 2071034

Project ID: US27 SR 70 4020342

QC Batch: XXX/14271 Analysis Method: EPA 8270/PAH SIM

QC Batch Method: EPA 3510C SIM

Associated Lab Samples: 2071023001 2071023002 2071023003 2071023004 2071023005 2071025001 2071025002 2071025003 2071025004 2071025005 2071025006 2071034001 2071035001

METHOD BLANK: 211277

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by EPA 8270C				
Nitrobenzene-d5 (S)	%	63	30-110	
2-Fluorobiphenyl (S)	%	60	30-110	
p-Terphenyl-d14 (S)	%	60	30-140	
Naphthalene	ug/L	U	0.050	
2-Methylnaphthalene	ug/L	U	0.050	
1-Methylnaphthalene	ug/L	U	0.050	
Acenaphthylene	ug/L	U	0.025	
Acenaphthene	ug/L	U	0.025	
Fluorene	ug/L	U	0.025	
Phenanthrene	ug/L	U	0.050	
Anthracene	ug/L	U	0.025	
Fluoranthene	ug/L	U	0.025	
Pyrene	ug/L	U	0.025	
Benzo(a)anthracene	ug/L	U	0.025	
Chrysene	ug/L	U	0.025	
Benzo(b)fluoranthene	ug/L	U	0.015	
Benzo(k)fluoranthene	ug/L	U	0.015	
Benzo(a)pyrene	ug/L	U	0.015	
Dibenzo(a,h)anthracene	ug/L	U	0.00500	
Indeno(1,2,3-cd)pyrene	ug/L	U	0.015	
Benzo(g,h,i)perylene	ug/L	U	0.015	

LABORATORY CONTROL SAMPLE & LCSD: 211278 211279

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C										
Nitrobenzene-d5 (S)	%				68	71	30-110	4	40	
2-Fluorobiphenyl (S)	%				64	69	30-110	8	40	
p-Terphenyl-d14 (S)	%				61	61	30-140	0.2	40	
Naphthalene	ug/L	0.801	0.491	0.511	61	64	30-140	4	40	
2-Methylnaphthalene	ug/L	0.801	0.451	0.473	56	59	30-140	5	40	
1-Methylnaphthalene	ug/L	0.798	0.508	0.545	64	68	30-140	7	40	
Acenaphthylene	ug/L	0.788	0.795	0.833	101	106	30-120	5	40	

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QUALITY CONTROL DATA

Workorder: 2071034

Project ID: US27 SR 70 4020342

LABORATORY CONTROL SAMPLE & LCSD: 211278 211279

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	0.8	0.508	0.549	63	69	30-120	8	40	
Fluorene	ug/L	0.785	0.461	0.513	59	65	30-140	11	40	
Phenanthrene	ug/L	0.8	0.520	0.527	65	66	30-120	1	40	
Anthracene	ug/L	0.801	0.478	0.507	60	63	30-140	6	40	
Fluoranthene	ug/L	0.79	0.398	0.431	50	55	30-120	8	40	
Pyrene	ug/L	0.786	0.503	0.517	64	66	40-140	3	40	
Benzo(a)anthracene	ug/L	0.8	0.452	0.474	56	59	30-120	5	40	
Chrysene	ug/L	0.8	0.472	0.477	59	60	30-140	1	40	
Benzo(b)fluoranthene	ug/L	0.801	0.487	0.483	61	60	30-140	0.8	40	
Benzo(k)fluoranthene	ug/L	0.8	0.401	0.423	50	53	30-140	5	40	
Benzo(a)pyrene	ug/L	0.8	0.445	0.462	56	58	30-140	4	40	
Dibenzo(a,h)anthracene	ug/L	0.794	0.443	0.486	56	61	30-140	9	40	
Indeno(1,2,3-cd)pyrene	ug/L	0.8	0.461	0.495	58	62	30-140	7	40	
Benzo(g,h,i)perylene	ug/L	0.8	0.490	0.503	61	63	30-120	3	40	

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QUALITY CONTROL DATA

Workorder: 2071034

Project ID: US27 SR 70 4020342

QC Batch: VXX/9994 Analysis Method: EPA 8260C

QC Batch Method: EPA 5030B

Associated Lab Samples: 2070993003, 2070993004, 2071013001, 2071013002, 2071034001, 2071042001, 2071042002, 2071042003, 2071042004, 2071042005, 2071042006, 2071042007

METHOD BLANK: 211633

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Volatiles by GC/MS				
Dibromofluoromethane (S)	%	96	70-130	
Toluene d8 (S)	%	95	70-130	
4-Bromofluorobenzene (S)	%	81	70-130	
tert-Butyl methyl ether (MTBE)	ug/L	U	0.400	
Benzene	ug/L	U	0.400	
Toluene	ug/L	U	0.400	
Ethylbenzene	ug/L	U	0.400	
m & p-xylene	ug/L	U	0.400	
o-Xylene	ug/L	U	0.400	
Xylenes- Total	ug/L	U	0.800	

LABORATORY CONTROL SAMPLE & LCSD: 211634 211635

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				97	97	70-130	0.3	25	
Toluene d8 (S)	%				95	94	70-130	0.3	25	
4-Bromofluorobenzene (S)	%				92	92	70-130	0.3	25	
tert-Butyl methyl ether (MTBE)	ug/L	50.1	41.5	41.7	83	83	70-130	0.5	25	
Benzene	ug/L	49.7	41.4	39.4	83	79	70-130	5	25	
Toluene	ug/L	49.8	45.2	46.4	91	93	70-130	3	25	
Ethylbenzene	ug/L	49.5	43.4	44.9	88	91	70-130	3	25	
m & p-xylene	ug/L	100	101	104	101	104	70-130	3	25	
o-Xylene	ug/L	49.5	49.1	51.3	99	104	70-130	4	25	
Xylenes- Total	ug/L	149	150	155	100	104	70-130	3	25	

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QUALITY CONTROL DATA

Workorder: 2071034

Project ID: US27 SR 70 4020342

SAMPLE DUPLICATE: 211636 Original: 2070993003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Volatiles by GC/MS						
Dibromofluoromethane (S)	%	38.3		0.3	25	
Toluene d8 (S)	%	37.5		1	25	
4-Bromofluorobenzene (S)	%	31.7		2	25	
tert-Butyl methyl ether (MTBE)	ug/L	0	U	0	25	
Benzene	ug/L	0	U	0	25	
Toluene	ug/L	0	U	0	25	
Ethylbenzene	ug/L	0	U	0	25	
m & p-xylene	ug/L	0	U	0	25	
o-Xylene	ug/L	0	U	0	25	
Xylenes- Total	ug/L	0	U	0	25	

SAMPLE DUPLICATE: 211637 Original: 2071044001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Volatiles by GC/MS						
Dibromofluoromethane (S)	%	36.8		0.3	25	
Toluene d8 (S)	%	38.6		4	25	
4-Bromofluorobenzene (S)	%	35.8		0.3	25	
tert-Butyl methyl ether (MTBE)	ug/L	0	U	0	25	
Benzene	ug/L	4.27	4.09	4	25	
Toluene	ug/L	13.1	12.9	2	25	
Ethylbenzene	ug/L	17.5	17.1	2	25	
m & p-xylene	ug/L	18.2	17.4	4	25	
o-Xylene	ug/L	1.81	1.77	2	25	
Xylenes- Total	ug/L	20	19.2	4	25	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2071034

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2071034001	**Site 2 TMW-2**	EPA 3510C SIM	XXX/14271	EPA 8270/PAH SIM	XMS/7423
2071034001	**Site 2 TMW-2**	EPA 5030B	VXX/9994	EPA 8260C	VMS/9798

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J.E.L. Log # 207634
P.O. # _____
Quote # _____

Company Name NorthStar
Address 2760 S Falkenburg Road
City Riverview State FL Zip 33578
Sampling Site Address
Attn: Phil Glover Email
Project Name US27 SR70 Project # 4020342
Sampler Name/Signature Geoff Furlotte

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters: 8260 BTEX+MTBE	Parameters: 8270 PAH	Field Filtered (Y/N)	Comments
1	Site 2 TMW-2	11/18/20	1611	GW	4		✓	✓		
2										
3										
4										
5										
6										
7										
8										
9										
10										

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

Matrix Codes*
S Soil/Solid Sediment SW Surface Water
GW Ground Water SL Sludge
WW Waste Water O Other (Please Specify)
DW Drinking Water

Pres Codes
A- none I- Ice
B- HNO_3 O- Other
C- H_2SO_4 M- MeOH
D- NaOH N- $Na_2S_2O_3$
E- HCl Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Phil Glover	11/19/20	900	Phil Glover	11-19-20	0900
Phil Glover	11-19-20	1050	Paul P	11/19/20	1050
Paul P	11/19/20	1900	Fed Ex	11/19/20	1900
Fed Ex	11/20/20	0600	[illegible]	11/20/20	0600

QA/QC level with report
None ___1___2___3___ See price guide for applicable fees

FDEP Dry Cleaning ❑ FDEP UST Pre-Approval ❑
SFWMD ❑ ADaPT ❑ DOT ❑

Temp Control: 1.8 °C

207034

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2071034	Profile:	2621
Client:	Northstar	Project:	Phil Glover
Level:	1	Date Rec'd:	11/20/2020 6:00:00 AM
Rec'd via:	courier		

Cooler Check

ID	Temp	# of samples	Security Tape Present	Security Tape Intact	Method of Receipt	Comments
	1.8	1	☐	☐		

Checked By: MD

Sample Verification

Loose Caps?	No	All Samples on COC accounted For?	Yes
Broken Containers?	No	All Samples on COC?	Yes
pH Verified?	No	Written on Internal COC?	No
pH Strip Lot #		Sample Vol. Suff. For Analysis?	Yes
Acid Preserved Samples Lot #		Samples Rec'd W/I Hold Time?	Yes
Base Preserved Samples Lot #		Are All Samples to be Analyzed?	Yes
Samples Received From	courier	Correct Sample Containers?	Yes
Soil Origin (Domestic/Foreign		COC Comments written on COC?	No
Site Location/Project on COC?	Yes	Samplers Initials on COC?	Yes
Client Project # on COC?	Yes	Sample Date/Time Indicated?	Yes
Project Mgr. Indicated on COC	Yes	TAT Requested:	STD
COC relinquished/Dated by Client?	Yes	Client Requests Verbal Results?	No
COC Received/Dated by JEL	Yes	Client Notified of discrepancies?	No
JEL to Conduct ALL Analyses?	Yes	Do VOC vials have headspace or a bubble <6mm (1/4")?	No
Number of Encores	0	Number of Lab Filtered Metals	0

Subcontract Analysis

Parameter	Via	Lab Name	Comments

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Instructions can be found below the table

Facility/Site Name:	US 27 at SR 70
Site Location:	Lake Placid, Highlands County, Florida
Facility/Site ID No.:	

SCTL Type	Value	Units
Residential Direct Exposure SCTL	0.1	mg/kg
Industrial Direct Exposure SCTL	0.7	mg/kg
Alternative SCTL (Optional)		mg/kg
Site Specific Background (Optional)		mg/kg

TEF = Toxic Equivalency Factor

	Soil Sample #	Site 2 SB-2									
	Sample Date	11/18/2020									
	Sample Location:	Site 2 SB-2									
	Depth (ft):										
Contaminant Concentrations											
Contaminant	**TEF**	Site 2 SB-2 (mg/kg)									
Benzo(a)pyrene	1.0	0.0125									
Benzo(a)anthracene	0.1	0.021									
Benzo(b)fluoranthene	0.1	0.018									
Benzo(k)fluoranthene	0.01	0.021									
Chrysene	0.001	0.021									
Dibenz(a,h)anthracene	1.0	0.017									
Indeno(1,2,3-cd)pyrene	0.1	0.021									
Benzo(a)pyrene Equivalents											
Contaminant	**TEF**	Site 2 SB-2 (mg/kg)									
Benzo(a)pyrene	1.0	0.0125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Benzo(a)anthracene	0.1	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Benzo(b)fluoranthene	0.1	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Benzo(k)fluoranthene	0.01	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Chrysene	0.001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Dibenz(a,h)anthracene	1.0	0.0170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Indeno(1,2,3-cd)pyrene	0.1	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Equivalents											
Total Benzo(a)pyrene Equivalents		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Comparisons to SCTLs											
Does This Sample Exceed:		**Site 2 SB-2 (mg/kg)**									
The Residential Direct Exposure SCTL of 0.1 mg/kg?		**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**
The Industrial Direct Exposure SCTL of 0.7 mg/kg?		**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**
No Alternative SCTL Given		**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
No Site Specific Background Given		**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

APPENDIX D
FDEP SOIL BORING LOGS, GROUNDWATER SAMPLING LOGS
AND INSTRUMENT CALIBRATION RECORDS

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number: Site 1 SB-1	Permit Number:	FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 920 ☑ AM ☐ PM End Time: 1000 ☑ AM ☐ PM
Environmental Contractor: NorthStar	Geologist's Name: Geoff Fenlite	Environmental Technician's Name: Greg Gemison
Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3
Borehole Depth (feet): 21		
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 14	Measured Well DTW (in feet after water recharges in well): N/A
OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.3	0.5	Fine to Medium Grained Silty Sand Well Sorted Brown/Black "Peaty"	SM	M	
						0.2	1	Fine to Medium Grained, Silty Sand, Well Sorted, Tan/ Light Orange			
							1.5				
						0.2	2				
							2.5				
						0.5	3				
							3.5				
						0.5	4				
							4.5				
						0.5	5				
							5.5				
DPT						0.5	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SB-1		4527 SR 70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							6.5	Same as above	SM	M	
						0.1	7.0				
							7.5				
						0.2	8.0				
							8.5				
						0.0	9.0				
							9.5				
						0.4	10.0				
							10.5				
						0.0	11.0				
							11.5				
						0.4	12.0				
							12.5				
						0.3	13.0			W	
							13.5				
						0.1	14.0			S	
							14.5				
						0.3	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: / End Date:
Site 1 SB-1		US 27 SR 70	11/18/20 / 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							15.5	Same as above	SM	S	
							16.0				
							16.5				
							17.0				
							17.5				
							18.0				
							18.5				
							19.0				
							19.5				
							20.0				
							20.5				
							21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: Sth1 SB-2	Permit Number:		FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 1010 ☑ AM ☐ PM End Time: 1030 ☑ AM ☐ PM	
Environmental Contractor: NorthStar	Geologist's Name: Geoff Furlitz		Environmental Technician's Name: Greg Garrison
Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3	Borehole Depth (feet): 15
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 1.4	Measured Well DTW (in feet after water recharges in well): N/A	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.0	0.5	Fine to Medium Grained Silty Sand, well sorted, Black/Brown			
						0.3	1	Fine to Medium Grained Silty Sand, well sorted			
							1.5	Tan/Light Orange			
						0.0	2				
							2.5				
						0.3	3				
							3.5				
						0.0	4				
							4.5				
DPT						0.0	5				
↓							5.5				
						0.0	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number: SA-1 SB-2	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: End Date:

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							6.5				
						0.1	7.0				
							7.5				
						0.1	8.0				
							8.5				
						0.3	9.0				
							9.5				
						0.3	10.0				
							10.5				
						0.1	11.0				
							11.5				
						0.0	12.0				
							12.5				
						0.1	13.0			W	
							13.5				
						0.4	14.0			S	
							14.5				
						0.5	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: Site 1 SB-3	Permit Number:		FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 1045 ☑ AM ☐ PM End Time: 1115 ☑ AM ☐ PM	
Environmental Contractor: NorthStar	Geologist's Name: Geoff Frothingham		Environmental Technician's Name: Greg Garrison
Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3	Borehole Depth (feet): 15
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 14	Measured Well DTW (in feet after water recharges in well): N/A	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.4	0.5	Fine to Medium Grained, Silthy Sand, Well Sorted, Brown/Black	SM	M	
						0.3	1	Fine to Medium Grained, Silthy Sand, Well Sorted, Brown Tan/Light Orange			
							1.5				
						0.3	2				
							2.5				
						0.2	3				
							3.5				
						0.3	4				
							4.5				
DPT						0.0	5				
							5.5				
						0.1	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
Situ1SB3		US27 SR70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
							6.5	Same as above	SM	M	
						0.1	7.0				
							7.5				
						0.0	8.0				
							8.5				
						0.0	9.0				
							9.5				
						0.1	10.0				
							10.5				
						0.0	11.0				
							11.5				
						0.2	12.0				
							12.5				
						0.2	13.0			W	
							13.5				
						0.3	14.0			S	
							14.5				
						0.2	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	Permit Number:	FDEP Facility Identification Number:
Site 1 SB-4		
Site Name:	**Borehole Start Date:** / **End Date:** 11/18	**Borehole Start Time:** 14~~:~~ ☐ AM ☒ PM / **End Time:** 15:00 ☐ AM ☐ ~~PM~~
US27 SR70		
Environmental Contractor:	**Geologist's Name:**	**Environmental Technician's Name:**
NorthStar	Greg G	
Drilling Company:	**Pavement Thickness (inches):**	**Borehole Diameter (inches):**	**Borehole Depth (feet):**
ACT	N/A	3	17.0
Drilling Method(s):	**Apparent Borehole DTW (in feet from soil moisture content):**	**Measured Well DTW (in feet after water recharges in well):**	**OVA (list model and check type):**
HA/DPT	16	N/A	RKI-GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA				0.3			0.5	Lt. Bro F. We Sand			
				0.0			1	Brown/orange Fine Sand			
							1.5	" "			
				0.0			2				
							2.5				
				0.0			3	" "			
							3.5				
				0.0			4	Orange Med - Fine Sand			
							4.5	" "			
				0.2			5				
DP							5.5				
				0.3			6	" "			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:
Site 1 SB - 4		4527 SR 70	11/18/20 End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
					0.2		6.5	Lt Orange Fine/med Sand			
							7.0				
					0.2		7.5				
							8.0	" "			
							8.5				
					0.1		9.0	" "			
							9.5				
					0.3		10.0	" "			
					0.3		10.5	Same as above mixed with Brn. Fine Sand			
							11.0				
					0.0		11.5	" "			
							12.0				
					0.1		12.5	Lt Orange Fine Sand		moist	
							13.0				
					0.2		13.5	" "			
							14.0			wet	
							14.5				
					0.4		15.0	" "		sat	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: / End Date:
SHL SB-4		4527 SR 70	11/18/20 / 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
							15.5	(L ((			
				0.4			16.0			Saturated	
							16.5				
							17.0				
							17.5				
							18.0				
							18.5				
							19.0				
							19.5				
							20.0				
							20.5				
							21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

Boring/Well Number: S1tz SB-1	Permit Number:		FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 1125 ☑ AM ☐ PM End Time: 1150 ☑ AM ☐ PM	
Environmental Contractor: NorthStar	Geologist's Name: Geoff Fowler		Environmental Technician's Name: Greg Garrison
Drilling Company: ACT	Pavement Thickness (inches):	Borehole Diameter (inches): 3	Borehole Depth (feet): 21
Drilling Method(s):	Apparent Borehole DTW (in feet from soil moisture content): 16	Measured Well DTW (in feet after water recharges in well): N/A	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.4	0.5	Fine to Medium Grained, Well Sorted Silty Sand, Brown/Black	SM	M	
						0.4	1				
							1.5				S1tz SB-1
						0.3	2				
							2.5				
						0.3	3				
							3.5	Same as above but Gray/White			
						0.3	4				
							4.5				
						0.3	5				
DPT							5.5	Same as above but Tan/Light Orange			
						0.2	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:
Site 2 SB-1		US 27 SR 70	11/18/20
			End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							6.5	Same as above	SM	M	
						0.2	7.0				Site 2 SB-1
							7.5				
						0.2	8.0				
							8.5				
						0.3	9.0				
							9.5				
						0.1	10.0				
							10.5				
						0.3	11.0				
							11.5				
						0.2	12.0				
							12.5				
						0.2	13.0				
							13.5				
						0.3	14.0				
							14.5				
						0.3	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SITE2SB-1		US27 SR70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							15.5	Same as above	SM	W	SITE2SB-1
						0.3	16.0			S	
							16.5				
						0.3	17.0				
							17.5				
						0.1	18.0				
							18.5				
						0.0	19.0	Same as above but Gray			
							19.5				
						0.0	20.0	Same as above but Tan/Light Orange			
							20.5				
						0.0	21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Site 2 TMW-2

BORING LOG

Boring/Well Number: Site 2 SB-2	Permit Number:	FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 1250 ☐ AM ☑ PM End Time: 1315 ☐ AM ☑ PM
Environmental Contractor: NorthStar	Geologist's Name: Geoff Forbes	Environmental Technician's Name: Greg Grimson

Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3	Borehole Depth (feet): 20
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 6.0	Measured Well DTW (in feet after water recharges in well): 14.37	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.0	0.5	Fine to Medium Grained, Silty Sand Well Sorted, Brown/Black			Site 2 SB-2
						0.0	1				
							1.5				
						0.0	2	Same as above but Gray/Tan			
							2.5				
						0.0	3	Same as above but Tan/Light Orange			
							3.5				
						0.0	4				
							4.5				
						0.0	5				
DPT							5.5				
						0.0	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SitzSB-2		4527 SR 70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							6.5				
						0.0	7.0	Same as above			
							7.5				SitzSB-2
						0.0	8.0				
							8.5				
						0.0	9.0				
							9.5				
						0.1	10.0				
							10.5				
						0.0	11.0				
							11.5				
						0.1	12.0				
							12.5				
						7.2	13.0				
							13.5				
						0.3	14.0				
							14.5				
						0.1	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

Site 2 TMW-2

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:
Site 2 SB-2		US 27 SR 70	11/18/20 End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							15.5	Same as above		W	Site 2 SB-2
						0.2	16.0				
							16.5			S	Site 2 TMW-2
						0.3	17.0				
							17.5				
						0.3	18.0				
							18.5				
						0.2	19.0				
							19.5				
						0.1	20.0				
							20.5				
							21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: Site2SB-3	Permit Number:		FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 1335 ☐ AM ☑ PM End Time: 1405 ☐ AM ☑ PM	
Environmental Contractor: NorthStar	Geologist's Name: Geoff Fuhr		Environmental Technician's Name: Greg Garrison
Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3	Borehole Depth (feet): 16.0
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 15.0	Measured Well DTW (in feet after water recharges in well): N/A	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.1	0.5	Fine to Medium Grained Well Sorted, Silty Sand, Brown/Black	SM	M	
						0.2	1				Site2SB-3
							1.5				
						0.0	2				
							2.5				
						0.1	3	Same as above but Tan/Gray			
							3.5				
						0.1	4	Same as above but Tan/Light Orange			
							4.5				
DPT						0.1	5				
							5.5				
						0.1	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; SS = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SITE2SB-3		US27SR70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							6.5				
						0.0	7.0	Same as above			
							7.5				
						0.0	8.0				SITE2SB-3
							8.5				
						0.0	9.0				
							9.5				
						0.0	10.0				
							10.5				
						0.1	11.0				
							11.5				
						0.1	12.0				
							12.5				
						0.1	13.0				
							13.5				
						0.1	14.0			W	
							14.5				
						0.1	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; SS = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SitzSB-3		US27 SR70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							15.5	Same as above	SM	S	
						0.1	16.0				
							16.5				
							17.0				
							17.5				
							18.0				
							18.5				
							19.0				
							19.5				
							20.0				
							20.5				
							21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: Site 2 SB-4	Permit Number:	FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 15:50 ☐ AM ☑ PM End Time: ☐ AM ☐ PM
Environmental Contractor: NorthStar	Geologist's Name: Greg G	Environmental Technician's Name:

Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3	Borehole Depth (feet): 16
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 14.5	Measured Well DTW (in feet after water recharges in well): N/A	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA				0.4			0.5	Drk Bro Fine Sand			S1-2SB-4
				0.1			1	Bro Fine Sand w/ lim Rock			
							1.5	Lt Bro - orange Fine Sand			
				0.4			2				
							2.5	11 11			
				0.4			3				
							3.5	11 11			
				0.4			4				
							4.5	11 11			
				0.4			5				
DPT		6'					5.5				
				0.4			6	Lt orange fine Sand			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; SS = Split Spoon; ST = Shelby Tube; **DP** = Direct Push; SC = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: / End Date:
S.TR2SB-4		US27SR70	11/18/2 / 11/19/2

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT				0.3			6.5	Same as 6'			
							7.0				
				0.3			7.5	Yellow ish to Orange Fine Sand			
							8.0				S.TR2SB-4
				0.3			8.5	" "			
							9.0				
				0.3			9.5	" "			
							10.0				
				0.4			10.5	Same as 10 w/ Lt Bro Fine Sand			
							11.0	Yellow to orange Fine Sand			
				0.5			11.5				
							12.0			moist	
				0.5			12.5	" "			
							13.0				
				0.5			13.5	" "		wet	
							14.0				
				0.5			14.5	" "		Sat	
							15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SFT SB-4		US27 SR70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT				0.5			15.5	same as 15'			
							16.0				
							16.5				
							17.0				
							17.5				
							18.0				
							18.5				
							19.0				
							19.5				
							20.0				
							20.5				
							21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: US27 SR70	SITE LOCATION: Lake Placid, Highlands County, Florida		
WELL NO: Site2TMW-2	SAMPLE ID: Site2TMW-2	DATE: 11/18/20	

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 14.62	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)
= (20 feet – 14.62 feet) X 0.04 gallons/foot = 0.2152 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): 20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.75	PURGING INITIATED AT: 1440	PURGING ENDED AT: 1610	TOTAL VOLUME PURGED (gallons): 1.77

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)
1454	0.25	0.25	0.02	14.62							
				Calibrating Equipment Solo							
1520	0.52	0.77	0.02	14.62	6.99	27.0	450.9	24.2	702	Tan	None
1525	0.10	0.87	0.02	14.62	7.00	27.0	461.6	27.1	432	Tan	None
1527	0.04	0.91	0.02	14.62	6.99	27.1	462.2	28.3	330	Tan	None
1529	0.04	0.95	0.02	14.62	7.00	27.1	411.4	28.3	459	Tan	None
1531	0.04	0.99	0.02	14.62	7.01	26.8	413.5	27.8	450	Tan	None
1533	0.04	1.03	0.02	14.62	6.99	26.8	465.5	27.8	466	Tan	None
1537	0.08	1.11	0.02	14.62	6.96	26.5	491.4	28.6	358	Tan	None
1539	0.04	1.15	0.02	14.62	6.96	26.6	483.0	29.6	231	Tan	None

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: Geoff Franklin NorthStar	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1611	SAMPLING ENDED AT: 1616
PUMP OR TUBING DEPTH IN WELL (feet): 14.75	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
Site2TMW-2	3	CG	40	HCL	120		8260 BTEX+MTBE	RFPP	74
Site2TMW-2	1	AG	250	None	250		PAH	PP	74

REMARKS: Initial Purge [6 gray/Tan 0.25' Stickup

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: US27 SR70	SITE LOCATION: Lake Placid, Highlands County, Florida		
WELL NO: Site 2 TMW-2	SAMPLE ID: Site2TMW-2	DATE: 11/18/20	

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 14.62	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)
= (20 feet – 14.62 feet) X 0.04 gallons/foot = 0.2152 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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
20	14.75	1440	1610	1.77

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)
1545	0.12	1.27	0.02	14.62	6.99	26.6	463.7	29.1	164	Light Tan	None
1547	0.04	1.31	0.02	14.62	6.99	26.6	446.2	29.3	134	Light Tan	None
1549	0.04	1.35	0.02	14.62	7.00	26.1	423.3	29.9	105	Light Tan	None
1552	0.06	1.41	0.02	14.62	6.99	25.7	426.2	33.6	57.4	Light Tan	None
1600	0.16	1.57	0.02	14.62	6.99	25.0	425.8	31.3	45.7	Clear	None
1602	0.04	1.61	0.02	14.62	6.99	25.1	433.1	31.1	45.6	Clear	None
1604	0.04	1.65	0.02	14.62	6.99	25.4	433.7	29.8	21.3	Clear	None
1606	0.04	1.69	0.02	14.62	6.99	25.4	431.9	31.4	15.6	Clear	None
1608	0.04	1.73	0.02	14.62	6.99	25.5	430.4	31.7	17.0	Clear	None
1610	0.04	1.77	0.02	14.62	6.99	25.4	431.5	31.9	14.9	Clear	None

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: Geoff Fowler / NorthStar	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1611	SAMPLING ENDED AT: 1616
PUMP OR TUBING DEPTH IN WELL (feet): 14.75	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
Site2TMW-2	3	CG	40	HCl	120		8260 BTEX/MTBE	RFPP	74
↓	1	AG	250	None	250		PAH	↓	74

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) 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)

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 42203
Description RKI GX-6000 (PID ONLY)
Calibrated 11/17/2020 4:07:38PM

Manufacturer RKI
Model Number GX-6000
Serial Number/ Lot Number 52H0232601-36RN
Location Florida
Department

State Certified
Status Pass
Temp °C 21.2
Humidity % 56

Calibration Specifications

Group # 1
Group Name Isobutylene (VOC)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	PPM	100.0	PPM	97.5	100.1	0.10%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
FL ISO 100PPM DBH-248-100-6	FL ISO 100PPM 105L	Liquid Technology	GP11015	DBH-248-100-6		4/4/2021

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Gary Dodge

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) RKI GX-6000 **INSTRUMENT #** 42203

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☑ OTHER OVA

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 0.0 ppm
Standard B 100.0 ppm Isobutylene Lot#304-4018363541 Exp 8/4/21
Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
20/11/18	910	A	0.0	0.0	0.0	Yes	Init	
20/11/19	845	A	0.0	0.0	0.0	No	Cont	
20/11/19	845	B	100.0	107.8	7.8	No	Cont	

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 35855
Description HACH 2100Q Turbidimeter
Calibrated 11/17/2020 3:57:37PM

Manufacturer HACH
Model Number 2100Q
Serial Number/ Lot Number 16030C048503
Location Florida
Department

State Certified
Status Pass
Temp °C 23.4
Humidity % 55

Calibration Specifications

Group # 1
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
10.00 / 10.00	NTU	10.00	NTU	9.83	10.00	0.00%	Pass
20.00 / 20.00	NTU	20.00	NTU	20.20	20.00	0.00%	Pass
100.00 / 100.00	NTU	100.00	NTU	101.00	100.00	0.00%	Pass
800.00 / 800.00	NTU	800.00	NTU	815.00	800.00	0.00%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
FL HACH 100NTU	FL HACH 100 NTU A9336	HACH	2684901	A9336		3/30/2021
FL HACH 10NTU	FL HACH 10 NTU A9331	HACH	2961801	A9331		3/30/2021
FL HACH 20NTU	FL HACH 20 NTU A9329	HACH	2684801	A9329		2/28/2021
FL HACH 800NTU	FL HACH 800 NTU A9325	HACH	2660501	A9325		2/28/2021

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Donny Mahadeo

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) Hach 2100Q **INSTRUMENT #** 16030C048503

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☑ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 10 NTU Lot A0239 Exp 11/21
Standard B 20 NTU Lot A0216 Exp 11/21
Standard C 100 NTU Lot A0239 Exp 11/21
Standard D 800 NTU Lot A0233 Exp 11/21

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
20/11/18	1450	A	10.0	10.0	0.0	Yes	Init	
20/11/18	1450	B	20.0	20.1	0.5	Yes	Init	
20/11/18	1450	C	100	96.7	3.3	Yes	Init	
20/11/18	1450	D	800	794	0.75	Yes	Init	
20/11/18	1635	A	10.0	10.6	6	No	Cont	
20/11/18	1635	B	20.0	20.6	3	No	Cont	
20/11/18	1635	C	100	101	1	No	Cont	
20/11/18	1635	D	800	805	0.625	No	Cont	

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 48514
Description YSI Professional Plus
Calibrated 11/17/2020 4:40:44PM

Manufacturer YSI
Model Number 6050000
Serial Number/ Lot Number 20B120523
Location Florida
Department

State Certified
Status Pass
Temp °C 23.3
Humidity % 55

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	6.92	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.96	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.95	10.00	0.00%	Pass

Group # 2
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.409	1.413	0.00%	Pass

Group # 3
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	252.00	240.00	0.00%	Pass

Group # 4
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	97.30	100.00	0.00%	Pass

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI **INSTRUMENT #** 48514

PARAMETER: *[check only one]*

☐ TEMPERATURE ☑ CONDUCTIVITY ☐ SALINITY ☑ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER OVA

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

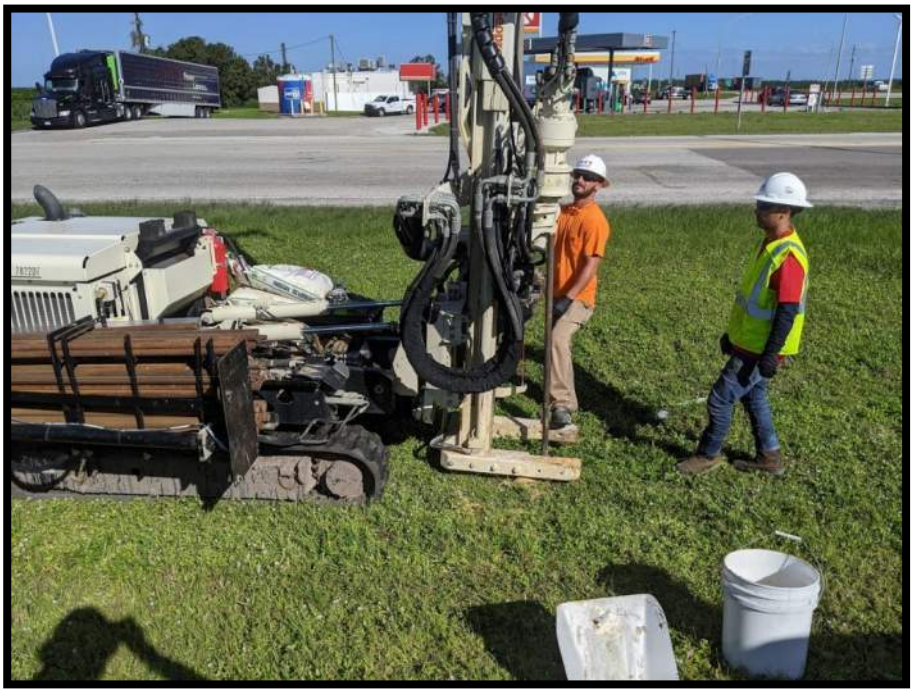
Standard A 4 pH Lot 06F127 Exp 6/22
Standard B 7 pH Lot 06F592 Exp 6/22
Standard C 10 pH Lot 06B986 Exp 2/22
Standard D 1413 µS/cm Lot 066575 Exp 7/21
Standard E 100%

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
20/11/18	1450	A	4	4.01	0.25	Yes	Init	
20/11/18	1450	B	7	7.09	1.3	Yes	Init	
20/11/18	1450	C	10	9.96	0.04	Yes	Init	
20/11/18	1450	D	1413	1436	1.6	Yes	Init	
20/11/18	1450	E	100	101.2	1.2	Yes	Init	
20/11/18	1625	A	4	4.03	0.75	No	Cont	
20/11/18	1625	B	7	6.97	0.4	No	Cont	
20/11/18	1625	C	10	9.92	0.8	No	Cont	
20/11/18	1625	D	1413	1487	5.0	No	Cont	
20/11/18	1625	E	100	100	0.0	No	Cont	

APPENDIX E
PHOTOGRAPHS



Photograph 1
View of soil boring advancement at Site 1 SB-1.



Photograph 2
View of soil boring advancement at Site 1 SB-2.

Project No. 4020342	ID:	DATE: 11/18/2020

NORTHSTAR CONTRACTING GROUP, INC.
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
PH:(813) 684-4400

SITE PHOTOGRAPHS 1 & 2
STATE ROAD 25 (US 27) FROM SOUTH OF STATE ROAD 70
TO NORTH OF STATE ROAD 70
LAKE PLACID, HIGHLANDS COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO. 439827-1-C2-32



Photograph 3
View of soil boring advancement at Site 1 SB-3.



Photograph 4
View of soil boring advancement at Site 2 SB-2.

Project No. 4020342	ID:	DATE: 11/18/2020

NORTHSTAR CONTRACTING GROUP, INC.
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
PH:(813) 684-4400

SITE PHOTOGRAPHS 3 & 4
STATE ROAD 25 (US 27) FROM SOUTH OF STATE ROAD 70
TO NORTH OF STATE ROAD 70
LAKE PLACID, HIGHLANDS COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO. 439827-1-C2-32



Photograph 5
View of soil boring advancement at Site 2 SB-3.



Photograph 6
View of temporary monitoring well advancement at Site 2 TMW-2.

Project No. 4020342	ID:	DATE: 11/18/2020

NORTHSTAR CONTRACTING GROUP, INC.
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
PH:(813) 684-4400

SITE PHOTOGRAPHS 5 & 6
STATE ROAD 25 (US 27) FROM SOUTH OF STATE ROAD 70
TO NORTH OF STATE ROAD 70
LAKE PLACID, HIGHLANDS COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO. 439827-1-C2-32

ENGINEERING
ENVIRONMENTAL
ECOLOGICAL

April 13, 2009

Mr. Matt Williams
National Retail Properties, Inc.
450 South Orange Avenue, Suite 900
Orlando, Florida

Subject: Storage Tank System Closure Assessment Report
VIP Stop Facility
2758 US Hwy 27 South
Lake Placid, Highlands County, Florida
FDEP # 48/9046139
E Sciences Project Number 1-1256-001

Dear Mr. Williams:

E Sciences, Incorporated (E Sciences) is pleased to submit this Storage Tank System Closure Assessment Report summarizing the soil and groundwater investigation conducted at the above referenced facility. The environmental sampling activities were performed to evaluate the quality of soil and groundwater within the storage tank system area located at 2758 US Hwy 27 South in Lake Placid, Highlands County, Florida. Our services were performed in general accordance with our February 25, 2009 proposal, 1-1256-P01.

If you have any question or would like any additional information, please call either of the undersigned at (407) 481-9006.

Sincerely yours
E SCIENCES, INC.

Lora J. Hendrick
Staff Scientist

Jeffrey J. Peters, P.G
Director, Environmental Services

c: Mr. Harry L. Moldenhauer, R.S. Okeechobee County Health Department, P.O. Box 1879, 1728 NW 9th Avenue, Okeechobee, Florida 34973-1879

E Sciences, INCORPORATED
34 E. Pine Street • Orlando, FL 32801
ph 407-481-9006 fax 407-481-9627
www.esciencesinc.com

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Appendix B Photos of UST System Closure
Appendix C Laboratory Analytical Reports

1.0 FACILITY INFORMATION

1.1 Site Description

VIP Stop Facility (Site) is a retail petroleum facility located at the intersection of State Road 70 and US Hwy 27 South, in Lake Placid, Florida. Refer to **Figure 1** for a Site Location Map, **Figure 2** for a USGS Topographic Map, and **Figure 3** for an Aerial Photograph of the site (2007).

Three (3) 10,000-gallon unleaded, and (1) 12,000-gallon diesel Underground Storage Tanks (USTs) were located approximately 15 feet south of the convenience store. The 4 USTs were removed March 16, 2009 and replaced on March 23, 2009 with two (2) 20,000-gallon compartmentalized double-walled fiberglass USTs within the same area as the former USTs. Preceding the UST removal process, each UST was cleaned by the "Butterworth" process. The surface covering of the site is asphalt and concrete with groundwater flow (based on a previous Site Assessment and No Further Action report submitted in 1994) to the north towards SR 70. Potable water and sanitary sewerage is supplied to the site via underground piping. Electrical service is supplied via overhead lines originating near the intersection of SR 70 and US Hwy 27 connecting to the northern side of the convenience store. A site map depicting the former USTs, lines, dispensers, etc. is provided as **Figure 4**.

1.2 Petroleum System/UST History

A history of the UST System for the Site is outlined below:

ID #	**AST or UST**	**Type** (steel/ fiberglass/etc.)	**Size** (gallons)	**Installation Date**	**Contents** (unleaded gasoline/ diesel/etc.)	**Status** (active, removed or abandoned [in place])	**Date Removed or Abandoned** (if applicable)
1	UST	SW Fiberglass	10,000	03/01/1990	Unleaded Gasoline	Removed	03/16/09
2	UST	SW Fiberglass	10,000	03/01/1990	Unleaded Gasoline	Removed	03/16/09
3	UST	SW Fiberglass	10,000	03/01/1990	Unleaded Gasoline	Removed	03/16/09
4	UST	SW Fiberglass	12,000	03/01/1990	Diesel	Removed	03/16/09
5	UST	DW Fiberglass	20,000	03/23/2009	Unleaded Gasoline	Active	
6	UST	DW Fiberglass	20,000	03/23/2009	Diesel	Active	

Refer to **Appendix A** for a copy of the UST disposal manifests. Upon receipt, E Sciences will forward a copy of the manifests to the Okeechobee County Health Department.

2.0 UST SYSTEM CLOSURE ACTIVITES

UST System closure activities were initiated the week of March 9, 2009 by Wilson's Petroleum Equipment, Inc. (Wilson's Petroleum) contracted by National Retail Properties, Inc. The UST System was removed on March 16, 2009. Refer to **Appendix B** for photos taken during the UST System closure activities.

2.1 Dewatering Activities

No dewatering activities were performed during this UST system closure.

2.2 Soil Assessment Activities

On March 16, 2009, Wilson's Petroleum initiated soil excavation activities within the UST area. Confirmatory soil samples were collected for each soil volume measuring approximately five feet in length by five feet in width by two feet in depth throughout the excavation of the USTs. Confirmatory samples were also collected from the side walls and bottom of the pit. The samples obtained from each depth interval were placed in one pint mason jars, half filling the jars, and then covered with a sheet of aluminum foil. Soils were screened using an organic vapor analyzer (Mini Rae 2000) for the presence of volatile organic vapors as per Florida Department of Environmental Protection (FDEP) applicable Standard Operating Procedures (SOPs). The majority of the soil OVA responses were <10 parts per million (ppm) with the exception of soils located near the diesel UST fill port area (southwest portion of the pit). These soils were excavated, segregated and covered with visqueen prior to future disposal (approximately 50 tons). According to Mr. Mike Zarrella, project manager for Wilson's Petroleum, the stockpiled soil has not yet been removed from the Site as of April 10, 2009. Prior to the convenience store opening, this stockpiled soil will be transported to the Okeechobee Landfill. Copies of the soil disposal manifests will be forwarded to Okeechobee County Health Department once these manifests are received by E Sciences.

On March 17, 2009, E Sciences personnel returned to the Site to collect and field-screen soil samples at eight (8) dispenser locations at 1, 2, 3 and 4-foot depth intervals. Soil OVA responses within the dispenser area were <10 ppm with the exception of the area near dispenser #7. A net OVA response of 86 ppm was recorded at 1 foot bls directly adjacent to the dispenser. E Sciences collected soil sample SS-1 at 1 foot bls for laboratory analyses. E Sciences directed Wilson's Petroleum to excavate an approximate 2 foot by 2 foot by 4 foot area at this location. This soil was added to the soil stockpiled from the UST removal process. A confirmatory soil sample (CSS-1) was collected at 4 feet bls, to evaluate if petroleum-impacted soils were removed from the area adjacent to dispenser #7. Soil samples were collected in the area for laboratory

analyses according to EPA Methods 8260 (BTEX/MTBE), 8310 (PAHs) and laboratory method FL-PRO (TRPH). Wilson's Petroleum then excavated and segregated these soils from the diesel dispenser area. Soils were staged, placed on concrete and covered with visqueen for future disposal.

During the week of March 16, 2009, sheet-piling of the UST excavation took place. During the week of March 23, 2009, Wilson's Petroleum installed the two, 20,000 gallon, double-walled fiberglass USTs within the former UST area, backfilled with pea-gravel and finished to grade with concrete. They also located and removed the diesel dispenser line piping. According to Kenny Jimmerson, site manager with Wilson's Petroleum, the diesel lines were buried at approximately three feet below land surface (bls) along the southwestern portion of the building. Mr. Jimmerson stated the unleaded dispenser lines were evacuated, capped and abandoned in place. On March 27, 2009, E Sciences personnel field-screened soil samples within the former diesel line trench. The trench depth extended to approximately 3.5 feet bls. Soil samples were collected every 20 feet within the trench. Soil OVA responses in this area were 0 ppm. Refer to **Table 1** for a soil vapor/analytical correlation and to **Figure 5** depicting the soil sampling locations. The soil laboratory analytical reports are provided in **Appendix C**.

2.3 Groundwater Assessment Activities

On March 19, 2009, one groundwater sample was collected from temporary monitoring well (GW-1 Pit). Using a peristaltic pump prior to sampling, field parameters (pH, conductivity, temperature, dissolved oxygen and turbidity) were measured using a multi-sensor probe and the values were recorded on sampling logs. After collection, the groundwater samples were immediately placed on wetted ice and transported to a NELAC Certified Laboratory, Alpha Analytics Laboratory, Inc. for analyses according to EPA Methods 8260 (BTEX/MYBE), 8310 (PAHs) and FL PRO (TRPH). Groundwater sampling activities were conducted in general accordance with the Chapter 62-160, Florida Administrative Code (F.A.C.) and FDEP standard operating procedures (DEP-SOP-001/01, DEP-SOP-002/01 and DEP-QA-001/01).

Refer to **Table 2** for a Groundwater Analytical Summary and to **Appendix C** for the groundwater laboratory analytical reports.

3.0 UST SYSTEM CLOSURE ASSESSMENT SUMMARY & CONCLUSIONS

This storage system tank closure report summarizes the soil and groundwater investigation conducted at the above referenced facility. The environmental sampling activities were performed to evaluate the quality of soil and groundwater underlying the commercial property (Site) located at 2758 U.S. Highway 27 South in Lake Placid, Highlands County, Florida.

Based on the laboratory analytical reports for the March 17 and 19, 2009 sampling events, contaminates of concern (COCs) were below the cleanup target levels (CTLs) in soil and groundwater samples collected (SS-1@1', CSS-1@4', SS-1 Pit and GW-1 Pit).

Assessment activities conducted during the UST closure documented soil and groundwater were not impacted with the exception of soil near the fill port area of the 12,000-gallon diesel UST and soil near diesel dispenser #7. Wilson's Petroleum excavated the soil for future disposal at the request of the Okeechobee County Health Department representative, Mr. Harry Moldenhauer. Confirmatory sampling indicated no remaining petroleum-impacted soils exist in this area.

Based on the assessment activities completed during the storage system tank closure, E Sciences recommends no additional assessment at this time.

FIGURES

TABLES

TABLE 1: SOIL VAPOR/ANALYTICAL CORRELATION

Facility Name: VIP Stop Facility
Facility Address: 2758 U.S. Highway 27 South
FDEP #: 48/9046139
Priority Score: Non-Program Site

Not Detected = ND Blank = Not Measured Analytical results in mg/kg
Bolded results indicate anexceedance of the referenced FDEP SCTL
The qualifer "U" denotes analyte not present at detection limit shown
The qualifier "i" denotes the reported value is between the MDL and the PQL
* = Analysis with a dilution factor of 100

[1] Leachability Based on Groundwater Criteria

Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
North Wall Screening																
NW-1	3/16/2009	3	0	0												
		6	0	0												
		9	0.5	0.5												
NW-2	3/16/2009	3	3.4	3.4												
		6	0	0												
		9	0.4	0.4												
		12	0	0												
NW-3	3/16/2009	3	2.0	2.0												
		6	0	0												
		9	0	0												
		12	0	0												
NW-4	3/16/2009	3	3	3												
		6	0	0												
		9	0	0												
		12	0	0												
NW-5	3/16/2009	3	0.8	0.8												
		6	0	0												
		9	0	0												
		12	0	0												
NW-6	3/16/2009	3	0.2	0.2												
		6	0.4	0.4												

TABLE 1: SOIL VAPOR/ANALYTICAL CORRELATION

Facility Name: VIP Stop Facility
Facility Address: 2758 U.S. Highway 27 South
FDEP #: 48/9046139
Priority Score: Non-Program Site

Not Detected = ND Blank = Not Measured Analytical results in mg/kg
Bolded results indicate anexceedance of the referenced FDEP SCTL
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The qualifier "i" denotes the reported value is between the MDL and the PQL
* = Analysis with a dilution factor of 100

[1] Leachability Based on Groundwater Criteria

Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
		9	0	0												
		12	0	0												
NW-7	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
NW-8	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
East Wall Screening																
EW-1	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
EW-2	3/16/2009	3	0	0												
		6	0.3	0.3												
		9	0.5	0.5												
		12	0	0												
EW-3	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												

TABLE 1: SOIL VAPOR/ANALYTICAL CORRELATION

Facility Name: VIP Stop Facility
Facility Address: 2758 U.S. Highway 27 South
FDEP #: 48/9046139
Priority Score: Non-Program Site

Not Detected = ND Blank = Not Measured Analytical results in mg/kg
Bolded results indicate anexceedance of the referenced FDEP SCTL
The qualifer "U" denotes analyte not present at detection limit shown
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* = Analysis with a dilution factor of 100

[1] Leachability Based on Groundwater Criteria

Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
EW-4	3/16/2009	3	1.6	1.6												
		6	0.5	0.5												
		9	0	0												
		12	0	0												
EW-5	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
EW-6	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
EW-7	3/16/2009	3	2.3	2.3												
		6	0	0												
		9	0	0												
		12	0	0												
EW-8	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
South Wall Screening																
SW-1	3/16/2009	3	2.6	2.6												

TABLE 1: SOIL VAPOR/ANALYTICAL CORRELATION

Facility Name: VIP Stop Facility
Facility Address: 2758 U.S. Highway 27 South
FDEP #: 48/9046139
Priority Score: Non-Program Site

Not Detected = ND Blank = Not Measured Analytical results in mg/kg
Bolded results indicate anexceedance of the referenced FDEP SCTL
The qualifer "U" denotes analyte not present at detection limit shown
The qualifier "i" denotes the reported value is between the MDL and the PQL
* = Analysis with a dilution factor of 100

[1] Leachability Based on Groundwater Criteria

Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
		6	0.7	0.7												
		9	0	0												
		12	0	0												
SW-2	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
SW-3	3/16/2009	3	0	0												
		6	0	0												
		9	0.3	0.3												
		12	0.9	0.9												
SW-4	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
SW-5	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
SW-6	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												

TABLE 1: SOIL VAPOR/ANALYTICAL CORRELATION

Facility Name: VIP Stop Facility
Facility Address: 2758 U.S. Highway 27 South
FDEP #: 48/9046139
Priority Score: Non-Program Site

Not Detected = ND Blank = Not Measured Analytical results in mg/kg
Bolded results indicate anexceedance of the referenced FDEP SCTL
The qualifer "U" denotes analyte not present at detection limit shown
The qualifier "i" denotes the reported value is between the MDL and the PQL
* = Analysis with a dilution factor of 100

[1] Leachability Based on Groundwater Criteria

Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
		12	0	0												
SW-7	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
SW-7	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
SW-8	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
West Wall Screening																
WW-1	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
WW-2	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												

TABLE 1: SOIL VAPOR/ANALYTICAL CORRELATION

Facility Name: VIP Stop Facility
Facility Address: 2758 U.S. Highway 27 South
FDEP #: 48/9046139
Priority Score: Non-Program Site

Not Detected = ND Blank = Not Measured Analytical results in mg/kg
Bolded results indicate anexceedance of the referenced FDEP SCTL
The qualifer "U" denotes analyte not present at detection limit shown
The qualifier "i" denotes the reported value is between the MDL and the PQL
* = Analysis with a dilution factor of 100

[1] Leachability Based on Groundwater Criteria

Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
WW-3	3/16/2009	3	0	0												
		6	0	0												
		9	0.9	0.9												
		12	1.3	1.3												
WW-4	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	1.7	1.7												
WW-5	3/16/2009	3	2.1	2.1												
		6	0	0												
		9	0	0												
		12	0	0												
WW-6	3/16/2009	3	3.2	3.2												
		6	0	0												
		9	0	0												
		12	0	0												
WW-7	3/16/2009	3	0	0												
		6	0	0												
		9	0	0												
		12	0	0												
WW-8	3/16/2009	3	0	0												
		6	0	0												

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Facility Name: VIP Stop Facility
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[1] Leachability Based on Groundwater Criteria

Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
		9	0	0												
		12	0	0												
Pit Screening																
1	3/16/2009	5	20.9	20.9												
		10	17.4	17.4												
		15	13.4	13.4												
2	3/16/2009	5	37	37												
		10	26	26												
		15	17	17												
3	3/16/2009	5	20	20												
		10	5.8	5.8												
		15	0	0												
4	3/16/2009	5	2.6	2.6												
		10	3.7	3.7												
		15	0	0												
5	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
6	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
7	3/16/2009	5	0	0												

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[1] Leachability Based on Groundwater Criteria

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FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
		10	0	0												
		15	0	0												
8	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
9	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
10	3/16/2009	5	8	8												
		10	17	17												
		15	0	0												
11	3/16/2009	5	11.6	11.6												
		10	12.5	12.5												
		15	0	0												
12	3/16/2009	5	23.7	23.7												
		10	0	0												
		15	0	0												
13	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
14	3/16/2009	5	0	0												
		10	0	0												

TABLE 1: SOIL VAPOR/ANALYTICAL CORRELATION

Facility Name: VIP Stop Facility
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FDEP #: 48/9046139
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[1] Leachability Based on Groundwater Criteria

Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
		15	0	0												
15	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
16	3/16/2009	5	8.6	8.6												
		10	7.3	7.3												
		15	0	0												
17	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
18	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
19	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
20	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
21	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												

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Facility Name: VIP Stop Facility
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Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
22	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
23	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
24	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
25	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
26	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
27	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
28	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
29	3/16/2009	5	0	0												

TABLE 1: SOIL VAPOR/ANALYTICAL CORRELATION

Facility Name: VIP Stop Facility
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Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
		10	0	0												
		15	0	0												
30	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
31	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
32	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
33	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
30	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
31	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
32	3/16/2009	5	0	0												
		10	0	0												

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Facility Name: VIP Stop Facility
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FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
		15	0	0												
33	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
30	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
31	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
32	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
33	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
34	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
35	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												

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FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
36	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
37	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
38	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
39	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
40	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
41	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
42	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
43	3/16/2009	5	0	0												

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[1] Leachability Based on Groundwater Criteria

Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
		10	0	0												
		15	0	0												
44	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
45	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
46	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
47	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
48	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
49	3/16/2009	5	7.8	7.8												
		10	6.9	6.9												
		15	0	0												
50	3/16/2009	5	0	0												
		10	0	0												

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FDEP #: 48/9046139
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FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
		15	0	0												
51	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
52	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
53	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
54	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
55	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
56	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
57	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												

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Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
58	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
59	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
60	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
61	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
62	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
63	3/16/2009	5	0	0												
		10	0	0												
		15	0	0												
Dispenser Screening																
SB-1 (SS-1@1')	3/17/2009	1	5.1	5.1		0.0011 U	0.0012 U	0.00006 U	0.0014 U		0.0007 U	0.004 U	0.004 U	0.002 U		140
		2	6.9	6.9												
		3	7.8	7.8												

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Facility Name: VIP Stop Facility
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Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
CSS-1@4'		4	6.1	6.1		0.0012 U	0.0013 U	0.0007 U	0.0014 U		0.0008 U	0.004 U	0.004 U	0.003 U		6.3 U
SB-2	3/17/2009	1	8.6	8.6												
		2	3.1	3.1												
		3	8.5	8.5												
		4	3.6	3.6												
SB-3	3/17/2009	1	5.6	5.6												
		2	4.1	4.1												
		3	7.0	7.0												
		4	4.4	4.4												
SB-4	3/17/2009	1	3.5	3.5												
		2	4.6	4.6												
		3	9.3	9.3												
		4	7.1	7.1												
SB-5	3/17/2009	1	3.6	3.6												
		2	4.6	4.6												
		3	3.7	3.7												
		4	5.3	5.3												

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Facility Name: VIP Stop Facility
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[1] Leachability Based on Groundwater Criteria

Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
SB-6	3/17/2009	1	8.8	8.8												
		2	9.4	9.4												
		3	7.4	7.3												
		4	8.4	8.4												
SB-7	3/17/2009	1	86	86												
		2	21	21												
		3	7.7	7.7												
		4	8.8	8.8												
SB-8	3/17/2009	1	8.2	8.2												
		2	7.5	7.5												
		3	9.5	9.5												
		4	5.6	5.6												
Pit Screening																
SS-1@18' Pit	3/19/2009	18	0	0		0.0009 U	0.001 U	0.0005 U	0.0011 U		0.006 U	0.003 U	0.003 U	0.002 U		5.0 U
Diesel Trench Screening																
Trench 1 @ 4'	3/27/2009	4	0	0												
Trench 2 @ 4'	3/27/2009	4	0	0												

TABLE 1: SOIL VAPOR/ANALYTICAL CORRELATION

Facility Name: VIP Stop Facility
Facility Address: 2758 U.S. Highway 27 South
FDEP #: 48/9046139
Priority Score: Non-Program Site

Not Detected = ND Blank = Not Measured Analytical results in mg/kg
Bolded results indicate anexceedance of the referenced FDEP SCTL
The qualifer "U" denotes analyte not present at detection limit shown
The qualifier "i" denotes the reported value is between the MDL and the PQL
* = Analysis with a dilution factor of 100

[1] Leachability Based on Groundwater Criteria

Soil Boring Location	Date	Depth (feet)	OVA Result (ppm) Unfiltered	OVA Result (ppm) Corrected	Relative Range	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	FL-PRO (TRPH)
FDEP's SCTL's [1] (effective 04/17/05)						0.007	0.5	0.6	0.2		0.09	1.2	3.1	8.5		340
Trench 3 @ 4'	3/27/2009	4	0	0												
Trench 4 @ 4'	3/27/2009	4	0	0												
Trench 5 @ 4'	3/27/2009	4	0	0												

TABLE 2: GROUNDWATER ANALYTICAL SUMMARY

Facility Name: VIP Stop Facility
Facility Address: 2758 U.S. Highway 27 South
FDEP #: 48/9046139
Priority Score: Non-Program Site

ND = Not Detected
NS = Not Sampled
Analytical results in µg/L except where noted (*) then mg/L
The Qualifier "U" denotes analyte not present at detection limit shown
"i" = Results between LMDL and PQL

Sample														
Location	Date	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total BTEX	MTBE	EDB	Lead	Naphthalene	1-methyl naphthalene	2-methyl naphthalene	Other PAHs	TRPH*
FDEP's GCTL's		1	40	30	20		20	0.02	15	14	28	28		5*
Pit Screening														
GW-1 Pit	3/19/2009	0.6 U	0.9 U	0.6 U	0.6 U		0.4 U	NS	NS	0.14 U	0.13 U	0.11 U		0.24 i

APPENDIX A

APPENDIX B

APPENDIX C

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ENGINEERING
ENVIRONMENTAL
ECOLOGICAL



Map ID 25 – Shell/Circle K #2707451
2742 US 27 South

Level II Impact to Construction Report

State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No.: 439827-1-C2-32

Submitted to:
Florida Department of Transportation, District 1
801 North Broadway Avenue
Bartow, Florida 33831-1249

Submitted by:
NorthStar Contracting Group, Inc.
2760 S. Falkenburg Road
Riverview, Florida 33578
Telephone: (813) 684-4400

January 2021

Level II Impact to Construction Report

State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
Contract No.: BEA33
FDOT Financial Project No.: 439827-1-C2-32
NorthStar Project No.: 4020342

Prepared by: _____ Date: 1/28/21
Geoff Ferlita
Staff Scientist

Reviewed by: _____ Date: 1-28-21
Philip L. Glover, PG, LEP
Senior Geologist I

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B Site Specific Health and Safety Plan
C Laboratory Analytical Reports and Chain of Custody Records
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EXECUTIVE SUMMARY

NorthStar Contracting Group, Inc. (NorthStar) was tasked with conducting a Level II Impact to Construction Assessment for the Florida Department of Transportation's (FDOT) State Road (SR) 25 (US 27) from South of SR 70 to North of SR 70 project corridor in Lake Placid, Highlands County, Florida. Project plans propose improvements including drainage upgrades, signalization enhancements, lighting upgrades, directional borings and trenches for electrical lines, plus minor widening and turnout construction. The project corridor consists of commercial and agricultural properties.

Based on the site locations in relation to the proposed construction and previous assessment data, two (2) potentially contaminated sites were identified for further assessment. As such, NorthStar was tasked with investigating the following:

- Site 1: Chevron #48021 (Facility ID No. 9046139), 2758 US 27 South, Lake Placid, Highlands County, Florida, Station 222+00 RT to 102+00 RT; and
- Site 2: Circle K #2707451 (Facility ID No. 8519614), 2742 US 27 South, Lake Placid, Highlands County, Florida, Station 222+00 LT to 102+00 LT.

Based on the results of the Level II assessment as discussed in Section 3, there are no apparent environmental impacts to the soil or groundwater within the FDOT right-of-way (ROW) at Site 1: Chevron #48021. Soil screening did not reveal any contamination within the FDOT ROW.

Based on the results of the Level II assessment as discussed in Section 3, there are no apparent environmental impacts to the soil or groundwater within the FDOT ROW at Site 2: Circle K #2707451. Soil screening and laboratory analysis of soils and groundwater did not reveal any contamination within the FDOT ROW. However, because this site is a petroleum-contaminated site according to the Florida Department of Environmental Protection (FDEP), there are contamination impacts related to dewatering. This may require additional FDEP coordination, permitting, and effluent treatment if dewatering activities are performed within 500 feet of this facility. If dewatering is unnecessary, there are no known contamination concerns within the FDOT ROW at this site.

A full range of analytical sampling procedures was not implemented at the sample locations referenced in this report. The focus of this investigation was to identify areas of suspected petroleum or metals contamination. Representative samples of subsurface conditions were indicative of each discrete sampling location only. Therefore, it is possible for contamination to be present but remain undetected at any point between or adjacent to the sampling points targeted during this investigation. If undocumented contamination is encountered during construction, FDOT's Standard Specifications for Road and Bridge Construction, section 120-1.2, will be followed.

1.0 INTRODUCTION

According to the June 4, 2020 Contamination Memorandum, the FDOT construction plans propose improvements including drainage upgrades, signalization enhancements, lighting upgrades, directional borings and trenches for electrical lines, plus minor widening and turnout construction. The Site Vicinity Map (**Figure 1**) presents the project corridor location.

Based on the site locations in relation to proposed construction and previous assessment data, the following two (2) potentially contaminated sites were identified for further assessment:

- Site 1: Chevron #48021 (Facility ID No. 9046139), 2758 US 27 South, Lake Placid, Highlands County, Florida, Station 222+00 RT to 102+00 RT; and
- Site 2: Circle K #2707451 (Facility ID No. 8519614), 2742 US 27 South, Lake Placid, Highlands County, Florida, Station 222+00 LT to 102+00 LT.

NorthStar was tasked under Letter of Authorization (LOA) 4 to contract BEA33 to prepare a Level II Impact to Construction Report for the SR 25 (US 27) from South of SR 70 to North of SR 70 project corridor in Lake Placid, Highlands County, Florida. The main purposes of this investigation were to locate areas along the existing roadway where petroleum contamination may have occurred and to make the FDOT and its contractors aware of any potential contamination impacts during construction along this planned section of the project area. The efforts of the Level II assessment are intended to limit delays to the project construction schedule and limit exposure of the contractor personnel to any contaminated media. The sampling locations were selected based on information provided in the June 4, 2020 Contamination Memorandum provided by FDOT as well as the most current information obtained from the FDEP's OCULUS database.

1.1 Scope of Services

FDOT requested that Level II assessment activities be performed at the sites mentioned above with the results to be summarized in a Level II Impact to Construction Report.

The general scope of services for these sites was provided under LOA 4, dated September 21, 2020 (**Appendix A**). The proposed scope included the preparation of a health and safety plan (**Appendix B**), the potential collection of soil and groundwater samples at selected locations in the vicinity of proposed construction features, laboratory analysis of collected samples and the preparation of a Level II Impact to Construction Report.

2.0 LEVEL II ASSESSMENT METHODOLOGY

2.1 Quality Assurance

All soil sampling performed by NorthStar during the Level II assessment was conducted in general accordance with the FDEP Standard Operating Procedures (SOP) for Field Activities (FDEP SOP-001/01), updated April 16, 2018.

2.2 Soil Investigation Methodology

On November 4, 2020, NorthStar personnel conducted white-lining activities across the project corridor. This was necessary to mark the proposed soil boring locations for the utility locators. The soil boring locations were then called into Sunshine One-Call of Florida to notify the utility locators prior to soil boring advancement activities.

On November 18, 2020 NorthStar personnel conducted soil sampling activities in the vicinity of the potentially contaminated sites. Based on the size of the potentially contaminated sites and the proposed construction plans, four (4) soil borings were advanced at Site 1 and four (4) soil borings were advanced at Site 2 (**Figure 2**).

Soil boring locations across the project corridor were selected based on the relative position of proposed construction features to potentially contaminated sites, as identified in the Contamination Memorandum and the most current data in the FDEP's OCULUS database. The proposed soil borings were advanced to the maximum depth of construction or to the groundwater table, whichever was encountered first. The soils were screened with an organic vapor analyzer (OVA) equipped with a photoionization detector (PID) from land surface to 0.5 feet below land surface (ft bls) and at every 1 foot thereafter to 1 foot below maximum depth of construction or to the groundwater table, whichever was encountered first. Soil samples for laboratory analysis were collected from each soil boring as a composite sample of the entire borehole from land surface to the total depth of the soil boring above the groundwater table.

Soil samples selected for laboratory analysis were analyzed by the parameters listed in LOA 4 and in Section 3, below. The laboratory analytical results are included in **Appendix C**.

2.3 Groundwater Investigation Methodology

On November 18, 2020, NorthStar personnel conducted groundwater sampling activities at temporary monitor well Site 2 TMW-2.

The temporary monitor well was installed at soil boring Site 2 SB-2, based on the OVA readings and the proximity to underground storage tanks at that soil boring location. The location of temporary monitor well is presented on **Figure 2.** The temporary monitor well was constructed of two (2) 5-foot sections of 1-inch inside diameter, Schedule 40 polyvinyl chloride (PVC),

0.010-inch machine slotted screen with a 20/30-graded, clean sand filter pack, and two (2) 5-foot sections of 1-inch inside diameter Schedule 40 PVC riser.

The well was purged prior to groundwater sample collection using a variable speed peristaltic pump and dedicated polyethylene tubing in general accordance with the FDEP SOP for groundwater sampling (DEP-SOP-001/01, FS2200, updated on April 16, 2018). Using a decontaminated electronic probe, the depth to groundwater in each well was measured to determine the water column in the well. The height of the water column was calculated by subtracting the depth to the top of the water from the total well length. The total volume of water in the well was then calculated using the equation and well capacity data provided on the FDEP Groundwater Sampling Log (Form FD 9000-24).

A minimum of one (1) well volume was purged prior to collecting measurements of the indicator parameters (temperature, pH, specific conductance, dissolved oxygen, and turbidity) using a portable *YSI Professional Plus* Multiprobe System and a *HACH 2100Q* Turbidity Meter. Once field parameters met stabilization criteria according to the FDEP SOP, indicating the completion of purging activities, a groundwater sample was collected.

NorthStar collected one (1) groundwater sample from the temporary monitor well (Site ID: Site 2 TMW-2) for laboratory analyses, in accordance with FDEP sampling protocols and as outlined in the Scope of Services. The groundwater sample was submitted to the laboratory, to be analyzed for site-specific constituents of concern, as described in LOA 4 and in Section 3, below. The laboratory analytical results are included in **Appendix C**.

3.0 LEVEL II ASSESSMENT RESULTS

3.1 Site 1: Chevron #48021
2758 US 27 South
Lake Placid, Highlands County, Florida
FDEP Facility ID No. 9046139
Station 220+00 RT to 102+00 RT

3.1.1 Soil Investigation
On November 18, 2020, NorthStar personnel advanced four (4) soil borings in the vicinity of Site 1 **(Figure 2)**. All four (4) soil borings were advanced to the groundwater table (SB-1 – 14 ft bls, SB-2 – 14 ft bls, SB-3 – 14 ft bls and SB-4 – 14.5 ft bls). The maximum OVA/PID reading of 0.5 parts per million (ppm) was recorded at soil boring Site 1 SB-1 **(Table 1)**. As per LOA 4, because OVA readings did not exceed 10 ppm, and there were no visual or olfactory indicators of contamination, soil samples were not collected for laboratory analysis.

Soil boring logs are included as **Appendix D.** Photographs of the soil sampling activities at Site 1 are included as Photographs 1-3 in **Appendix E**.

3.1.2 Groundwater Investigation
Although construction may reach greater depths than the soil borings advanced at Site 1, there were no signs of contamination in either the soil or the groundwater interface. As such, a groundwater sample was not necessary.

3.1.3 Impacts to Construction
Based on the soil screening results, there are no apparent environmental impacts to construction in the FDOT ROW. Soil screening of soils did not reveal any contamination within the FDOT ROW. No viable groundwater monitor wells were noted within the FDOT ROW.

3.2 Site 2: Circle K #2707451
2742 US 27 South
Lake Placid, Highlands County, Florida
FDEP Facility ID No. 8519614
Station 220+00 LT to 102+00 LT

3.2.1 Soil Investigation
On November 18, 2020, NorthStar personnel advanced four (4) soil borings in the vicinity of Site 2 **(Figure 2)**. All four (4) soil borings were advanced to the groundwater table (SB-1 – 16 ft bls, SB-2 – 16 ft bls, SB-3 – 15 ft bls and SB-4 – 14 ft bls). The highest OVA/PID reading was 7.2 ppm, which was encountered at Site 2 SB-2 **(Table 1)**. As per LOA 4, one (1) composite soil

sample was collected from each soil boring, from land surface to the total depth of the borehole above the groundwater table (sample IDs: Site 2 SB-1, Site 2 SB-2, Site 2 SB-3 and Site 2 SB-4). Soil sample Site 2 SB-2 was submitted to Jupiter to be analyzed for benzene, toluene, ethylbenzene, total xylenes and methyl tert-butyl ether (BTEX+MTBE) and polynuclear aromatic hydrocarbons (PAH).

The laboratory analytical results for soil sample Site 2 SB-2 indicated that all analyzed parameters were either below their respective Soil Cleanup Target Levels (SCTLs) or were not detected by the laboratory. The laboratory analytical results are summarized in **Table 2**. Based on these results, the remaining soil samples were not analyzed at the laboratory.

The benzo(a)pyrene conversion table, laboratory report and chain-of-custody record are included in **Appendix C**. The soil boring logs are included in **Appendix D**. Photographs of the soil sampling activities at Site 2 are included as Photographs 4 and 5 in **Appendix E**.

3.2.2 Groundwater Investigation

One (1) temporary monitor well (Site 2 TMW-2) was installed at soil boring Site 2 SB-2, utilizing a direct-push rig to a depth of approximately 20 ft bls (**Figure 2**). Static depth to water was measured at a depth of 14.37 ft bls. A groundwater sample (sample ID: Site 2 TMW-2) was collected from the temporary monitor well on November 18, 2020, which was submitted to Jupiter to be analyzed for BTEX+MTBE and PAH.

The laboratory analytical results for groundwater sample Site 2 TMW-2 indicated that all analyzed parameters were either below their respective Groundwater Cleanup Target Levels (GCTLs) or were not detected by the laboratory.

Copies of the FDEP Groundwater Sampling Logs and instrument calibration records are provided in **Appendix D**. A photograph of the temporary monitor well advancement at Site 2 is included as Photograph 6 in **Appendix E**.

3.2.3 Impacts to Construction

Based on the soil and groundwater analytical results, there are no apparent environmental impacts to construction within the FDOT ROW at Site 2: Circle K #2707451. However, because this site is a petroleum-contaminated site according to the FDEP, there are contamination impacts related to dewatering. This may require additional FDEP coordination, permitting, and effluent treatment if dewatering activities are performed within 500 feet of this facility. If dewatering is unnecessary, there are no known contamination concerns within the FDOT ROW at this site. No viable groundwater monitor wells were noted within the FDOT ROW.

4.0 CONCLUSIONS AND RECOMMENDATIONS

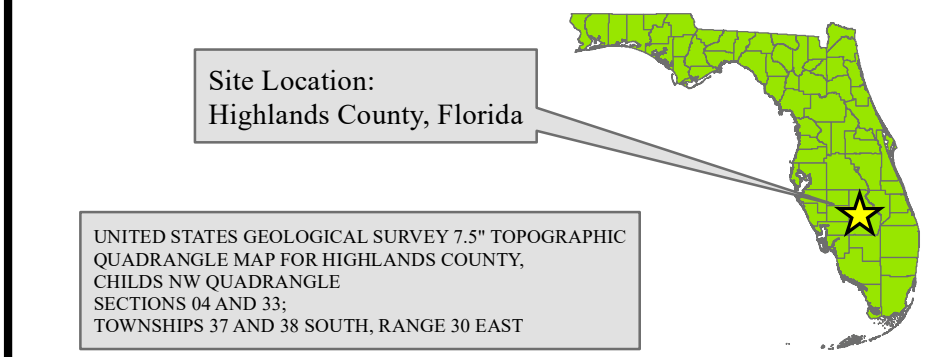
Based on the results of the Level II assessment as discussed in Section 3, there are no apparent environmental impacts to construction within the FDOT ROW at Site 1: Chevron #48021. Soil screening of soils did not reveal any contamination within the FDOT ROW. Additionally, no viable groundwater monitor wells were noted within the FDOT ROW.

Based on the results of the Level II assessment as discussed in Section 3, there are no apparent environmental impacts to the soil or groundwater within the FDOT ROW at Site 2: Circle K #2707451. Soil screening and laboratory analysis of soils and groundwater did not reveal any contamination within the FDOT ROW. However, because this site is a petroleum-contaminated site according to the FDEP, there are contamination impacts related to dewatering. This may require additional FDEP coordination, permitting, and effluent treatment if dewatering activities are performed within 500 feet of this facility. If dewatering is unnecessary, there are no known contamination concerns within the FDOT ROW at this site. No viable groundwater monitor wells were noted within the FDOT ROW.

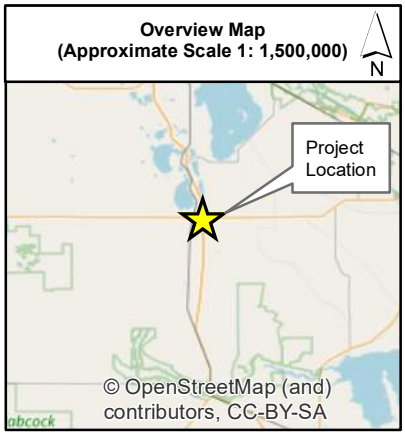
Photographs of the Level II assessment activities are included in **Appendix E**.

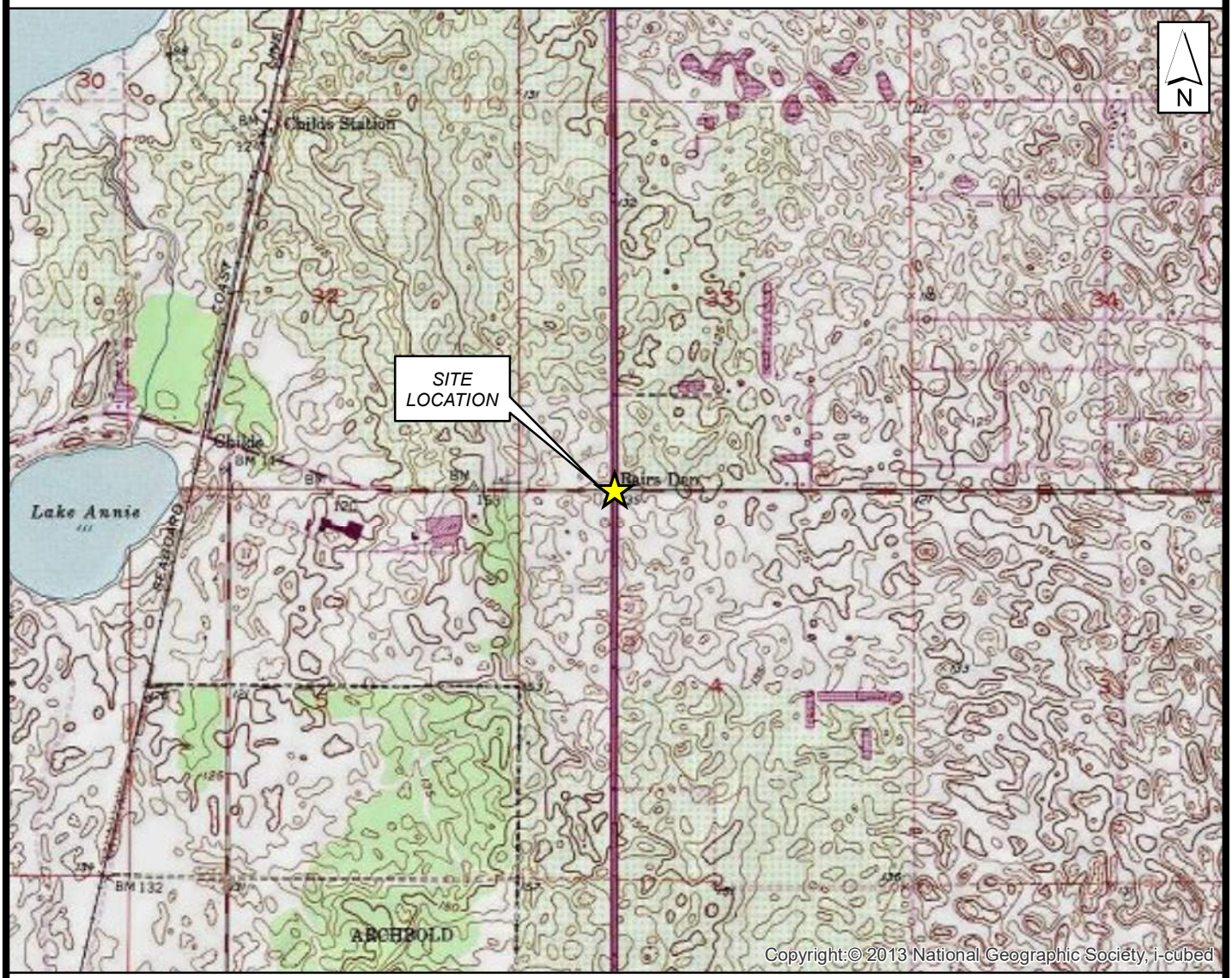
A full range of analytical sampling procedures was not implemented at the sample locations referenced in this report. The focus of this investigation was to identify areas of suspected petroleum contamination. Representative samples of subsurface conditions were indicative of each discrete sampling location only. Therefore, it is possible for contamination to be present but remain undetected at any point between or adjacent to the sampling points targeted during this investigation. During construction activities, it is possible to encounter undocumented soil or groundwater contamination, or underground storage tanks. If suspected contamination or underground storage tanks are encountered during construction, the applicable provisions of FDOT's Standard Specification for Roadway and Bridge Construction will be followed.

FIGURES



UNITED STATES GEOLOGICAL SURVEY 7.5" TOPOGRAPHIC QUADRANGLE MAP FOR HIGHLANDS COUNTY, CHILDS NW QUADRANGLE
SECTIONS 04 AND 33;
TOWNSHIPS 37 AND 38 SOUTH, RANGE 30 EAST



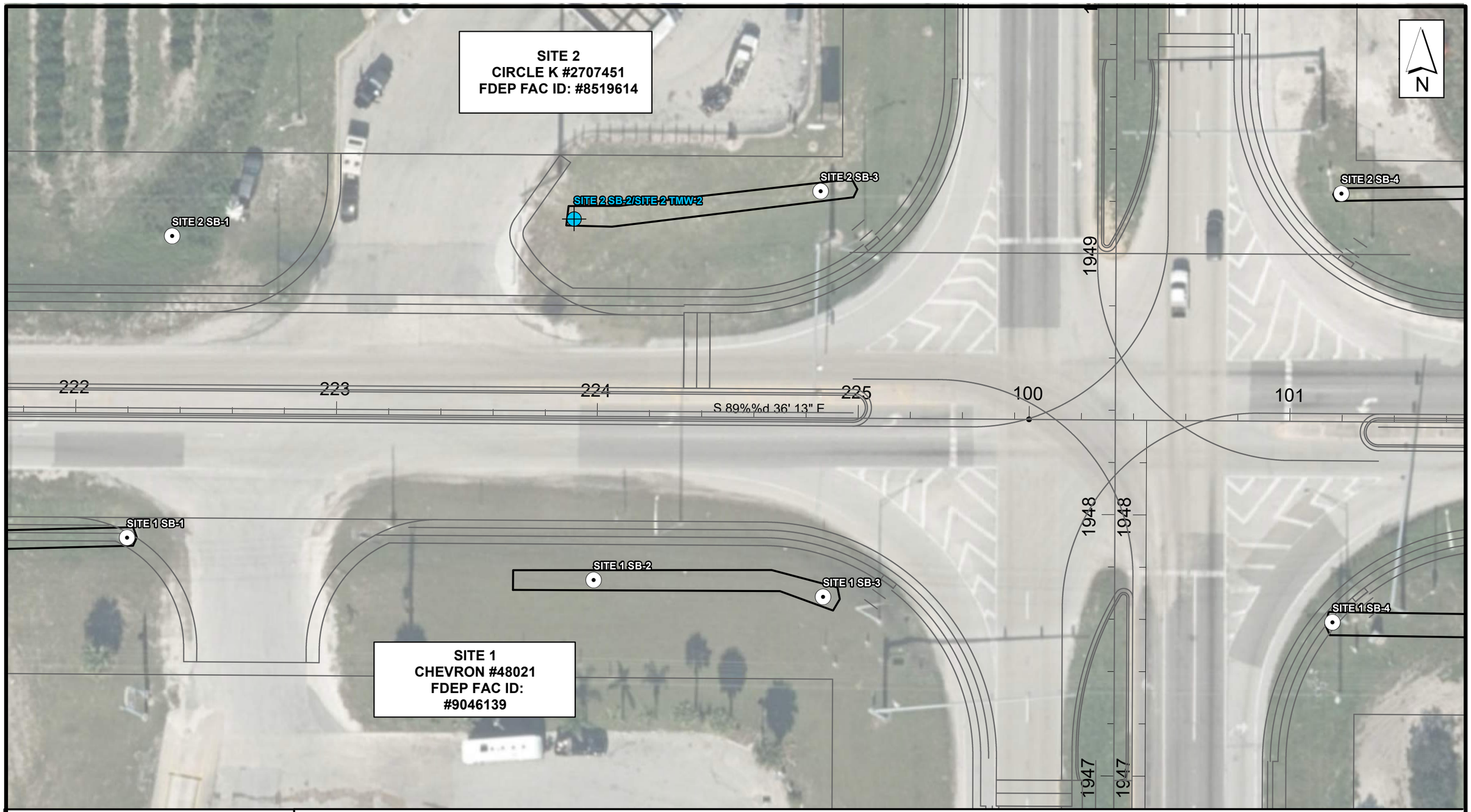


0 0.5 1 2 Miles

PROJECT NO.: 40-20-342		GIS ID: 4020342A001	PROJECT MANAGER: KEANAN BELL		
REVISION NO.: 00	REVISION DATE: 00/00/2020	DATE: 12/18/2020	DRN BY: MT	CHK BY: CO	STATUS: FINAL

NorthStar
Contracting Group, Inc.
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
PHONE: (813) 684-4400 FAX: (813) 684-9177

FIGURE 1
SITE VICINITY MAP
STATE ROAD 25 (US 27) FROM SOUTH
OF STATE ROAD 70 TO NORTH OF STATE ROAD 70
LAKE PLACID, HIGHLANDS COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO.: 439827-1-C2-32



Legend

- Soil Boring Location
- Soil Boring/Temporary Monitor Well Location

PROJECT NO.: 40-20-342	
PROJECT MANAGER:	
GIS ID: 4020342A002	
DRN BY: MT	REVISION NO.: 00
DATE: 12/21/2020	REVISION DATE: 00/00/2020
CHK BY:	STATUS: DRAFT

NorthStar Contracting Group, Inc.
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33587
PHONE: (813) 684-4400 FAX: (813) 684-9177
FLORIDA BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF AUTHORIZATION NO.: 30941

FIGURE 2
SOIL BORING AND TEMPORARY MONITOR WELL LOCATIONS MAP
STATE ROAD 25 (US 27) FROM SOUTH OF STATE ROAD 70
TO NORTH OF STATE ROAD 70
LAKE PLACID, HIGHLANDS COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO.: 439827-1-C2-32

TABLES

TABLE 1
Soil OVA Screening Results
Level II Impact to Construction Report
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No. 439827-1-C2-32

Soil Boring	Site ID	Date	Sample Depth (feet)	Description	OVA/PID Reading (ppm)	Moisture Content	Sample Collected
Site 1 SB-1	Site 1 - Chevron #48021 (Facility ID No. 9046139)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty,Brown-Black	0.3	M	Site 1 SB-1
			1	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.2		
			2		0.2		
			3		0.5		
			4		0.5		
			5		0.5		
			6		0.5		
			7		0.1		
			8		0.2		
			9		0.0		
			10		0.4		
			11		0.0		
			12		0.4		
			13		0.3	W	
			14		0.1	S	
			15		0.3		
Site 1 SB-2	Site 1 - Chevron #48021 (Facility ID No. 9046139)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty,Brown-Black	0.0	M	Site 1 SB-2
			1	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.3		
			2		0.0		
			3		0.3		
			4		0.0		
			5		0.0		
			6		0.0		
			7		0.1		
			8		0.1		
			9		0.3		
			10		0.3		
			11		0.1		
			12		0.0		
			13		0.1	W	
			14		0.4	S	
			15		0.5		

See notes at end of table.

TABLE 1
Soil OVA Screening Results
Level II Impact to Construction Report
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No. 439827-1-C2-32

Soil Boring	Site ID	Date	Sample Depth (feet)	Description	OVA/PID Reading (ppm)	Moisture Content	Sample Collected
Site 1 SB-3	Site 1 - Chevron #48021 (Facility ID No. 9046139)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty,Brown-Black	0.4	M	Site 1 SB-3
			1	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.3		
			2		0.3		
			3		0.2		
			4		0.3		
			5		0.0		
			6		0.1		
			7		0.1		
			8		0.0		
			9		0.0		
			10		0.1		
			11		0.0		
			12		0.2		
			13		0.2	W	
			14		0.3	S	
			15		0.2		
Site 1 SB-4	Site 1 - Chevron #48021 (Facility ID No. 9046139)	11/18/2020	0.5	SAND: Fine Grained, Light Brown	0.3	M	Site 1 SB-4
			1	SAND: Fine Grained, Brown/Orange	0.0		
			2		0.0		
			3		0.0		
			4	SAND: Fine to Medium Grained, Orange	0.0		
			5		0.2		
			6		0.3		
			7	SAND: Fine to Medium Grained, Light Orange	0.2		
			8		0.2		
			9		0.1		
			10	SAND: Fine to Medium Grained, Light Orange-Brown	0.3		
			11		0.3		
			12	SAND: Fine Grained, Light Orange	0.0		
			13		0.1		
			14		0.2	W	
			15		0.4	S	
			16		0.4		

See notes at end of table.

TABLE 1
Soil OVA Screening Results
Level II Impact to Construction Report
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No. 439827-1-C2-32

Soil Boring	Site ID	Date	Sample Depth (feet)	Description	OVA/PID Reading (ppm)	Moisture Content	Sample Collected
Site 2 SB-1	Site 2 - Circle K #2707451 (Facility ID No. 8519614)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty, Brown/Black	0.4	M	Site 2 SB-1
			1		0.4		
			2		0.3		
			3	SAND: Fine to Medium Grained, Well Sorted, Silty, Gray/White	0.3		
			4		0.3		
			5	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.3		
			6		0.2		
			7		0.2		
			8		0.2		
			9		0.3		
			10		0.1		
			11		0.3		
			12		0.2		
			13		0.2		
			14		0.3		
			15		0.3	W	
			16		0.3	S	
			17		0.3		
			18		0.1		
			19	SAND: Fine to Medium Grained, Well Sorted, Silty, Gray	0.0		
			20	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.0		
			21		0.0		
Site 2 SB-2	Site 2 - Circle K #2707451 (Facility ID No. 8519614)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty, Brown/Black	0.0	M	Site 2 SB-2
			1		0.0		
			2	SAND: Fine to Medium Grained, Well Sorted, Silty, Gray/Tan	0.0		
			3		0.0		
			4	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.0		
			5		0.0		
			6		0.0		
			7		0.0		
			8		0.0		
			9		0.0		
			10		0.1		
			11		0.0		
			12		0.1		
			13		7.2		
			14		0.3		
			15		0.1	W	
			16		0.2	S	Site 2 TMW-2
			17		0.3		
			18		0.3		
			19		0.2		
			20		0.1		

See notes at end of table.

TABLE 1
Soil OVA Screening Results
Level II Impact to Construction Report
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No. 439827-1-C2-32

Soil Boring	Site ID	Date	Sample Depth (feet)	Description	OVA/PID Reading (ppm)	Moisture Content	Sample Collected
Site 2 SB-3	Site 2 - Circle K #2707451 (Facility ID No. 8519614)	11/18/2020	0.5	SAND: Fine to Medium Grained, Well Sorted, Silty, Brown/Black	0.1	M	Site 2 SB-3
			1		0.2		
			2		0.0		
			3	SAND: Fine to Medium Grained, Well Sorted, Silty, Gray/Tan	0.1		
			4		0.1		
			5	SAND: Fine to Medium Grained, Well Sorted, Silty, Tan/Light Orange	0.1		
			6		0.1		
			7		0.0		
			8		0.0		
			9		0.0		
			10		0.0		
			11		0.1		
			12		0.1		
			13		0.1		
			14		0.1		
			15		0.1	W	
			16		0.1	S	
Site 2 SB-4	Site 2 - Circle K #2707451 (Facility ID No. 8519614)	11/18/2020	0.5	SAND: Fine Grained, Dark Brown	0.4	M	Site 2 SB-4
			1	SAND: Fine Grained, Brown, with Limerock	0.1		
			2	SAND: Fine Grained, Light Brown-Orange	0.4		
			3		0.4		
			4		0.4		
			5		0.4		
			6	SAND: Fine Grained, Light Orange	0.4		
			7	SAND: Fine Grained, Yellow-Orange	0.3		
			8		0.3		
			9		0.3		
			10	SAND: Fine Grained, Light Brown	0.3		
			11	SAND: Fine Grained, Yellow-Orange	0.4		
			12		0.5		
			13		0.5		
			14		0.5	W	
			15		0.5	S	
			16		0.5		

Notes:
NM = Not Measured
OVA = Organic Vapor Analyzer
PID = Photoionization Detector
ppm = parts per million
bls = below land surface
D = dry soil
M = moist soil
W = wet soil
S = saturated soil

TABLE 2
Soil Analytical Summary
Level II Impact to Construction Report
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida
FDOT Financial Project No. 439827-1-C2-32

Sample ID.				**Site 2 SB-2**
Date Collected				11/18/2020
Depth to Water (ft bls)				17
Sample Interval (ft bls)				0-17
Net OVA Reading (PPM)				7.2
Analytical Group - Method		**Direct Exposure Residential SCTL**	**Direct Exposure Commercial SCTL**	
Volatile Organics - USEPA 8260C				
Benzene	mg/kg	**1.2**	**1.7**	0.000363 U
Toluene	mg/kg	**7,500**	**60,000**	0.000315 U
Ethylbenzene	mg/kg	**1,500**	**9,200**	0.000260 U
Total Xylenes	mg/kg	**130**	**700**	0.000781 U
Methyl tert-Butyl Ether	mg/kg	**4,400**	**24,000**	0.000875 U
PAHs - USEPA 8270				
Naphthalene	mg/kg	**55**	**300**	0.138 U
1-Methylnaphthalene	mg/kg	**200**	**1,800**	0.138 U
2-Methylnaphthalene	mg/kg	**210**	**2,100**	0.138 U
Acenaphthene	mg/kg	**2,400**	**20,000**	0.069 U
Acenaphthylene	mg/kg	**1,800**	**20,000**	0.281
Anthracene	mg/kg	**21,000**	**300,000**	0.069 U
Benzo(a)anthracene	mg/kg	*	*	0.042 U
Benzo(a)pyrene	mg/kg	*	*	0.025 U
Benzo(b)fluoranthene	mg/kg	*	*	0.036 U
Benzo(g,h,i)perylene	mg/kg	**2500**	**52000**	0.042 U
Benzo(k)fluoranthene	mg/kg	*	*	0.042 U
Chrysene	mg/kg	*	*	0.042 U
Dibenz(a,h)Anthracene	mg/kg	*	*	0.017 I
Indeno(1,2,3-cd)pyrene	mg/kg	*	*	0.042 U
Fluoranthene	mg/kg	**3,200**	**59,000**	0.069 U
Fluorene	mg/kg	**2,600**	**33,000**	0.069 U
Phenanthrene	mg/kg	**2,200**	**36,000**	0.069 U
Pyrene	mg/kg	**2400**	**45000**	0.069 U
CPAH	mg/kg	**0.1**	**0.7**	N/A

Notes:
U = 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.
mg/kg = milligrams per kilogram
ft bls = feet below land surface
SCTL = Soil Cleanup Target Level
Values shaded yellow indicate a Residential SCTL exceedance
Values shaded red indicate a Commercial/Industrial SCTL exceedance
N/A = Not Applicable

TABLE 3

Groundwater Analytical Summary

Level II Impact to Construction Report

State Road 25 (US 27) from South of State Road 70 to North of State Road 70

Lake Placid, Highlands County, Florida

FDOT Financial Project No. 439827-1-C2-32

Sample ID.				Site 2 TMW-2
Date Collected				11/18/20
Analytical Group - Method		**Groundwater Cleanup Target**	**Natural Attenuation**	
Priority Pollutant Volatile Organics - USEPA 8260 C				
Benzene	µg/L	**1**	**100**	0.400 U
Toluene	µg/L	**40**	**400**	0.400 U
Ethylbenzene	µg/L	**30**	**300**	0.400 U
Total Xylenes	µg/L	**20**	**200**	0.800 U
Methyl tert-Butyl Ether	µg/L	**20**	**200**	0.400 U
PAHs - USEPA 8270				
1-Methylnaphthalene	µg/L	**28**	**280**	0.050 U
2-Methylnaphthalene	µg/L	**28**	**280**	0.050 U
Acenaphthene	µg/L	**20**	**200**	0.025 U
Acenaphthylene	µg/L	**210**	**2,100**	0.025 U
Anthracene	µg/L	**2,100**	**21,000**	0.025 U
Benzo(a)anthracene	µg/L	**0.05**	**0.5**	0.025 U
Benzo(a)pyrene	µg/L	*****	*****	0.015 U
Benzo(b)fluoranthene	µg/L	**0.05**	**0.5**	0.015 U
Benzo(g,h,i)perylene	µg/L	**210**	**2100**	0.015 U
Benzo(k)fluoranthene	µg/L	**0.5**	**5**	0.015 U
Chrysene	µg/L	**4.8**	**48**	0.025 U
Dibenz(a,h)Anthracene	µg/L	**0.005**	**0.05**	0.0050 U
Indeno(1,2,3-cd)pyrene	µg/L	**0.05**	**0.5**	0.015 U
Fluoranthene	µg/L	**280**	**2,800**	0.025 U
Fluorene	µg/L	**280**	**2,800**	0.025 U
Phenanthrene	µg/L	**210**	**2100**	0.050 U
Naphthalene	µg/L	**14**	**140**	0.050 U

Notes:

U = The compound was analyzed for but not detected.

PAHs = Polycyclic Aromatic Hydrocarbon

µg/L = micrograms per liter

* = As provided in Chapter 62-520, F.A.C.

Bolded and shaded values indicate a GCTL exceedance

Bolded and shaded values indicate a natural attenuation default concentration exceedance

USEPA = Unites States Environmental Protection Agency

APPENDIX A
SCOPE OF SERVICES

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAULT, P.E.
SECRETARY

September 21, 2020

Mr. Brent W. Anderson, PMP, PG, PE
NorthStar Contracting Group, Inc.
2760 South Falkenburg Road
Riverview, Florida 33578

Re: **Contract Number BEA33** Contractual Services Agreement for
District-Wide Contamination Assessment / Remediation Services
Financial Project ID: 198229-1-C2-03
Letter of Authorization - Number 4

Dear Mr. Anderson:

You are hereby authorized to perform the services described in the scope of services and cost proposal attached hereto, in accordance with Exhibit "A" of the referenced Agreement between the Department and your firm, for the following project:

FPID: 439827-1-C2-32 Co/Sec 09010 Highlands County
SR 25 (US 27) from South of SR 70 to North of SR 70

Please note that invoicing will be handled under a separate job number; i.e. Financial Project ID 439827-1-C2-32 (see project reference above). The total maximum limiting fee for the required services shall be **$20,000.00** (see attachments) computed in accordance with Exhibit "B" of the Agreement. It is agreed that the numbers of proposed units are maximum estimates. Only those units and amounts shown in the proposal may be invoiced without additional approval.

Project tasks are to be completed by September 1, 2021, which is the expiration date for this authorization.

Sincerely,

Jeffrey W. James
District Contamination Impact Coordinator

cc: Mr. Phil Glover – NorthStar (via email)
Ms. Gwen Pipkin – FDOT (via email)

Attachments

NorthStar Contracting Group, Inc.

2760 South Falkenburg Road
Tampa, Florida 33578
813-684-4400 Phone

September 21, 2020

Mr. Jeffrey W. James
District Contamination Impact Coordinator
Florida Department of Transportation, District 1
Post Office Box 1249
Bartow, Florida 33831-1249

REFERENCE: **Department Wide Contamination Assessment/Remediation Services**
Contract Number: BEA33
FPID: 439827-1
LOA 4

SUBJECT: **Level II Impact to Construction Assessment**
State Road 25 (US 27) from South of State Road 70 to North of State Road 70
Lake Placid, Highlands County, Florida

Dear Mr. James:

NorthStar Contracting Group, Inc. (NorthStar) is pleased to provide this scope of services and cost proposal for the above referenced project to the Florida Department of Transportation, District 1 (FDOT or Department). The scope of services is detailed in **Attachment A** and our cost proposal is included in **Attachment B**.

NorthStar proposes to complete the tasks described in **Attachment A** on a time and materials basis for $**12,712.45**, with a maximum limiting fee of **$20,000.00.** It is understood that the number of proposed units are estimates and may vary (the number of units, not the established rates in Contract BEA33) and the maximum limiting fee will not be exceeded without prior approval of the Department. The maximum limiting fee includes a contingency of **$7,287.55**. The contingency funds are available for use upon prior approval by the Department. A description of the estimated units and extended costs are presented in the attached cost proposal (**Attachment B)**.

NorthStar will initiate this work scope following your approval and authorization for the work described herein. If have you any questions, please call me at (813) 684-4400.

Sincerely,
NorthStar Contracting Group, Inc.

Philip L. Glover

Philip L. Glover, PG, LEP
Contract Manager

Attachments: Attachment A – Scope of Services
Attachment B – Cost Proposal
Attachment C – Proposed Soil Boring Locations

Attachment A
Scope of Services
FPID Number 439827-1

NorthStar will conduct a Level II Impact to Construction Assessment (ICA) for soil and groundwater for the State Road (SR) 25 (US 27) from South of State Road 70 to North of State Road 70 project corridor, located in Lake Placid, Highlands County, Florida.

A cost proposal is included in **Attachment B** and is based on estimated quantities and established unit rates included in Contract BEA33 between FDOT and NorthStar.

In support of our preparation of this Scope of Services, FDOT provided NorthStar with the following information which was subsequently reviewed by NorthStar in developing this proposal:

- FDOT Contamination Memorandum, dated June 4, 2020
- Contract Plans, dated April 23, 2020

Work Plan Scope of Services – Proposed Level II Activities

Based on information provided in the FDOT Contamination Memorandum, two (2) sites of concern were identified within the project limits in areas that could affect proposed construction.

LEVEL II ICA ACTIVITIES AND REPORTING

- NorthStar will provide maintenance of traffic for the planned Level II ICA activities.
- NorthStar personnel will perform four (4) soil borings in the vicinity of Site 1: Chevron #48021(Fac. ID No. 9046139), as indicated on **Attachment C**. This site currently has unleaded gasoline and vehicular diesel underground storage tanks. The soil borings will be advanced to 1 foot below the maximum depth of construction or to 1 foot below the groundwater table, whichever is encountered first. NorthStar will screen the soil borings with an organic vapor analyzer equipped with a photoionization detector (OVA/PID) at land surface and at every 1 foot below land surface (ft bls) to the groundwater table or to the maximum depth of construction, whichever is encountered first. If any OVA readings exceed 10 ppm, a composite soil sample will be collected from that soil boring location from land surface to the total depth of the soil boring. Additionally, if groundwater is encountered and OVA readings exceed 10 ppm, a temporary monitor well will be installed and a groundwater sample will be collected for laboratory analyses.
- The soil and groundwater samples collected at Site 1 will be submitted to a certified laboratory to be analyzed for Gasoline Analytical Group and Kerosene Analytical Group parameters, based on the presence of unleaded gasoline and diesel USTs. These include benzene, toluene, ethylbenzene, total xylenes and methyl tert-butyl ether (BTEX+MTBE) by USEPA Method 8260, Polynuclear Aromatic Hydrocarbons (PAH) by USEPA Method 8270, total recoverable petroleum hydrocarbons (TRPH) for the soils. The groundwater

sample collected at Site 1 will be analyzed for USEPA Method 8260 – Full List, PAH, TRPH and Ethyl Dibromide (EDB). Samples will not be analyzed for Lead because none of the known USTs previously registered at this site contained leaded gasoline. Soil samples analyses for BTEX+MTBE, PAH and TRPH will be expedited to ensure that the samples on "hold" can be analyzed before they go out of hold time, if necessary. All other samples will be analyzed on a standard turnaround time basis.

- NorthStar personnel will perform four (4) soil borings in the vicinity of Site 2: Circle K #8519614, as indicated on **Attachment C**. This site is currently undergoing active clean-up for a petroleum discharge. The soil borings will be advanced to 1 foot below the maximum depth of construction or to 1 foot below the groundwater table, whichever is encountered first. NorthStar will screen the soil borings with an OVA/PID at land surface and at every 1 ft bls to the groundwater table or to the maximum depth of construction, whichever is encountered first. One (1) composite soil sample will be collected from each of the four (4) soil boring locations from land surface to the total depth of the soil boring; however, only one (1) soil sample will be submitted for laboratory analyses – the other soil samples will be placed on "hold" pending sample results. Additionally, once soil screening is complete, NorthStar field personnel will install a temporary monitor well and a groundwater sample will be collected for laboratory analyses for discharge permitting purposes.
- The soil and groundwater samples will be submitted to a certified laboratory to be analyzed for BTEX+MTBE and PAH. These laboratory analyses were selected based on those utilized in the 2018 Limited Contamination Assessment Report. Soil samples analyses for BTEX+MTBE and PAH will be expedited to ensure that the samples on "hold" can be analyzed before they go out of hold time, if necessary. All other samples will be analyzed on a standard turnaround time basis.
- Additional borings and sampling will be performed if field observations and measurements deem these are necessary to further delineate impacts. These efforts will be coordinated with the FDOT's District Contamination Impact Coordinator or his assistant.
- If any OVA readings at the aforementioned site exceeds 10 ppm, NorthStar will collect a composite soil sample for waste characterization purposes. If laboratory results from the associated site(s) exceed the Residential Direct Exposure Soil Cleanup Target Level, the composite waste characterization soil sample will be analyzed by the Toxicity Characteristic Leaching Procedure (TCLP) for Benzene and TCLP 4-RCRA Metals. Costs have been included for one (1) waste characterization sample.
- Purge water generated during the groundwater sampling activities will be containerized in 5-gallon buckets during purging of the temporary monitor wells and will be subsequently poured onto a paved surface to evaporate following groundwater sample collection. Additionally, the temporary monitor wells will be removed immediately following groundwater sample collection. Soil generated during soil boring advancement will be returned to the borehole.
- During Level II ESA activities, NorthStar personnel will scan the FDOT right of way for existing monitor wells that may require abandonment, ground staining, stressed

vegetation, drums, etc. that could impact construction. If encountered, NorthStar will immediately notify the FDOT District Contamination Impact Coordinator of the findings so that they can be appropriately addressed.

- Photographs documenting field activities will be provided in the Level II ICA report.
- NorthStar will provide the Department with a Level II Impact to Construction Report to document the Level II ESA activities. The report will include text, tables and figures that will concisely present activities, observations, conclusions and recommendations associated with the work. **Figures will include applicable design plan sheets in conjunction with aerial imagery to illustrate how impacts detected during the assessment affects construction.** Additionally, other documentation such as groundwater sampling logs, soil boring logs and laboratory analytical reports will be appended to the report, as appropriate. The report will be provided no later than January 27, 2021.

Attachment C

BEGIN FULL DEPTH CONSTRUCTION
END MILLING & RESURFACING
END WIDENING
STA. 219+00.00
℄ CONST. SR 70
℄ SURVEY SR 70

N

0 10 50
Feet

EXIST. R/W LINE
+85.56
100.00' LT.
150 LF OF 18" PIPE
4 BARBED WIRE FENCE
CITRUS GROVE LINE
69 kV
BFOC(B)
OE
CURB
℄ CONST. SR 70
℄ SURVEY SR 70
REMOVE EXIST. PIPE, INLET & ENDWALL
+40.00
46.00' LT.
+40.00
39.00' LT.
+40.00
32.00' LT.
+40.00
27.00' LT.
TOE
REFLECTOR
SPEED LIMIT
+76.51
46.00' LT.
R 50'
7' SHLDR. PAVT.
VARIES (±93')
100'
5' SHLDR. PAVT.
NO PARKING ON RIGHT OF WAY
ARCADIA 33
BRADENTON 83
+00.00
23.50' LT.
+00.00
15.00' LT.
(TYPICAL)
TOP
TYPE E CURB & GUTTER
+58.00
11.00' LT.
EDGE OF PAVEMENT
PAINTED MEDIAN
11' R
SR 70
216
217
218
219
220
221
222
223
SAWCUT
ASPHALT DRIVEWAY
EDGE OF PAVEMENT
+10.00
12.00' LT.
S.R. 70 (WESTBOUND)
(ASPHALT)
S.R. 70 (EASTBOUND)
(ASPHALT)
+00.00
13.50' RT.
S 89° 36' 13" E
54'
+00.00
23.50' RT.
+40.00
27.00' RT.
+58.00
11.00' RT.
+53.00
3.00' RT.
+93.00
11.00' RT.
+03.00
11.00' RT.
REMOVE EXIST. PIPE AND MES
+97.00
40.00' RT.
85 LF OF 18" PIPE
+88.00
11.00' RT.
+83.00
11.00' RT.
TOP +13.13
23.83' RT.
25' R
+34.63
44.99' RT.
TOP +45.14
24.63' RT.
+00.00
47.05' RT.
JUNCTION US 27
+43.00
11.00' RT.
5' SHLDR. PAVT.
RIGHT OF WAY
+40.00
32.00' RT.
+22.63
43.46' RT.
+58.58
47.34' RT
TOE
+00.00
55.77' RT
+00.00
57.95' RT
+40.00
39.00' RT.
+83.00
39.00' RT.
+93.00
40.00' RT.
6' SHLDR. PAVT.
CONCRETE DRIVEWAY
R 50'
SD-2
TOE
SD-1
+59.05
80.78' RT
DIRT ROAD
+00.00
76.78' RT
SPECIAL DITCH RT.
+40.00
46.00' RT.
46 LF OF 18" PIPE
7' SHLDR. PAVT.
+83.00
40.00' RT.
+40.12
68.82' RT.
+47.00
90.00' RT.
+89.00
90.00' RT.
WOODS LINE
TURNOUT CONST.
FOC MARKER
CS-2
+47.00
95.00' RT.
+89.00
95.00' RT.
42'
12'
6' WOODBOARD FENCE
+22.63
103.96' RT.
METAL FARM GATE
+34.63
103.71' RT.
6' WOOD BOARD FENCE
EXIST. R/W LINE
+88.00
40.00' RT.
+90.58
100.00' RT.
ADVANCE TRAFFIC SIGN W/ FLASHING BEACON
(REFER TO THE S&PM PLANS FOR DETAILS)
CROSS ROADS CAFE
CONCRETE SLAB FOR SCALES

LEGEND

MILLING & RESURFACING

WIDENING

TRANSITION PAVEMENT (SEE SPECIAL DETAILS FOR PAVEMENT TRANSITION DETAIL)

Proposed Soil Boring Location

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RAYMOND G. LEE, P.E.
P.E. LICENSE NUMBER 66958
DEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVE., SUITE 1000
ORLANDO, FL 32803
CERTIFICATE OF AUTHORIZATION NO. 8794

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 25	HIGHLANDS	439827-1-52-01

ROADWAY PLAN (5)
SR 70

SHEET NO. 23

jbenavides 4/23/2020 4:00:25 PM Q:\50098539_SR25_Intersection\CAD\439827152O1\roadway\PLANRD05.dgn

Attachment C

Site 1

CHEVRON #48021
AKA - 27 TRUCK STOP
FDEP FAC ID: #9046139
2758 US HWY 27 S, LAKE PLACID

Site 2

CIRCLE K #2707451
FDEP FAC ID: #8519614
2742 US HWY 27 S, LAKE PLACID

N

0 10 50
Feet

EXIST. R/W LINE
TYPE E CURB & GUTTER
6' SHLDR PAVT.
SR 70
SPECIAL DITCH (RT.)
SPECIAL DITCH (LT.)
7' SHLDR. PAVT.
18" PIPE
EXIST. R/W LINE
+68.65 94.62' LT.
+65.17 89.72' LT.
+36.57 108.00' LT.
+96.64 134.76' LT.
+33.55 100.59' LT.
+76.67 147.24' LT.
+47.55 100.55' LT.
+08.55 101.20' LT.
+12.45 96.64' LT.
℄ CONST. SR 25 (US 27) STA. 1948+36.27 =
℄ CONST. & ℄ SURVEY SR 70 STA. 100+33.00
EXIST. R/W LINE
42'
+36.56 105.00' LT.
+89.00 105.00' LT.
87'
+53.00 100.00' LT.
+95.00 100.00' LT.
+53.00 94.00' LT.
+95.00 94.00' LT.
+88.25 51.00' LT.
+93.25 45.00' LT.
+06.64 45.00' LT.
+88.25 49.00' LT.
+88.25 45.00' LT.
+23.21 49.00' LT.
+24.79 49.00' LT.
50' R
90' R
7' R
6' SIDEWALK
CONCRETE DRIVEWAY
108'
24'
5' SHLDR. PAVT.
℄ CONST. SR 25 (US 27)
+88.25 44.00' LT.
+98.25 45.00' LT.
+88.25 20.00' LT.
+98.25 16.00' LT.
+09.33 16.00' LT.
+70.17 0.57' RT.
+88.25 16.00' LT.
+93.25 16.00' LT.
R 120'
75'CR
120'CR
100
℄ SURVEY SR 25 (US 27) STA. 1948+36.27 =
℄ CONST. & ℄ SURVEY SR 70 STA. 100+45.00
+03.97 87.54' LT.
10' R
+76.00 105.00' LT.
+04.00 74.50' LT.
50' R
CONCRETE DRIVEWAY
+66.67 63.00' LT.
+66.67 61.00' LT.
+66.67 57.00' LT.
4' SHLDR. PAVT.
+66.00 57.00' LT.
6' SHLDR. PAVT.
105'
50'
TYPE E CURB & GUTTER
+74.25 7.00' LT.
1945 1946 1947 1948 1949 1950 1951 1952
N 0° 14' 33" E
SR 25 (US 27)
℄ SURVEY SR 25 (US 27)
+98.25 7.00' RT.
+68.25 7.00' RT.
3.5 R
+02.34 0.57' LT.
+04.25 7.00' LT.
+79.25 16.00' RT.
+84.25 16.00' RT.
+84.25 20.00' RT.
+84.25 44.00' RT.
+74.25 16.00' RT.
+74.25 45.00' RT.
℄ CONST. SR 25 (US 27)
℄ SURVEY SR 25 (US 27)
92'
12'
50'
+05.83 61.00' RT.
+05.83 57.00' RT.
6' SHLDR. PAVT.
℄ CONST. SR 70
℄ SURVEY SR 70
101
102
+65.86 45.00' RT.
+84.25 45.00' RT.
+84.25 49.00' RT.
+84.25 51.00' RT.
4' SHLDR. PAVT.
+05.83 63.00' RT.
6' SIDEWALK
+23.99 92.00' RT.
+61.06 97.76' RT.
+64.87 102.40' RT.
+24.96 100.97' RT.
+38.96 101.01' RT.
+95.83 147.27' RT.
+75.86 134.73' RT.
+35.99 92.00' RT.
+06.24 91.17' RT.
+02.88 96.16' RT.
+79.25 45.00' RT.
TYPE E CURB & GUTTER
EXIST. CONCRETE TO BE REMOVED
EXIST. R/W LINE
EXIST. R/W LINE
EXIST. R/W LINE
EXIST. R/W LINE
7' SHLDR. PAVT.
SPECIAL DITCH (RT.)
SPECIAL DITCH (LT.)
6' SHLDR. PAVT.
S 89° 51' 10" E
S 89° 36' 13" E

LEGEND

TRANSITION PAVEMENT (SEE SPECIAL DETAILS FOR PAVEMENT TRANSITION DETAIL)

Proposed Soil Boring Location

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RAYMOND G. LEE, P.E.
P.E. LICENSE NUMBER 66958
OEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVE., SUITE 1000
ORLANDO, FL 32803
CERTIFICATE OF AUTHORIZATION NO. 8794

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 25	HIGHLANDS	439827-1-52-01

ROADWAY PLAN (2)
SR 25 (US 27)

SHEET NO. 19

jbenavides 4/23/2020 4:00:14 PM Q:\50098539_SR25_Intersection\CAD\43982715201\roadway\PLANRD02.dgn

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

APPENDIX B
SITE SPECIFIC HEALTH AND SAFETY PLAN

HEALTH AND SAFETY PLAN

State Road 25 (US 27) from South of State Road 70
to North of State Road 70
FDOT Contract Number: BEA33
Level 2 Impact to Construction Assessment
2760 South Falkenburg Road
Riverview, Hillsborough County, Florida

NorthStar

2760 South Falkenburg Road
Riverview, Hillsborough County, Florida

TARGET ZERO
COMMITTED TO SAFETY

Health and Safety Plan Approvals

Scheduled Start-up Date:	Scheduled Start-up Time:
11/10/2020	08:00 AM
Project Name:	**Site Location:**
State Road 25 (US 27) from South of State Road 70 to North of State Road 70	Lake Placid, Highlands County, Florida

By signing below, the specific technical and management solutions to work site hazards prescribed herein are approved, and we commit to providing a work environment in line with NorthStar's vision of Safety – First and Always.

Health and Safety Plan Author: Geoffrey Ferlita	
Signature:	**Date:** 11/3/20
HEALTH AND SAFETY PLAN APPROVAL	
Project Manager: Phil Glover	
Signature: Philip L. Glover	**Date:** 11-3-20

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Appendix A. Field Forms

1.0 Health and Safety Plan

The purpose of this site-specific Health and Safety Plan (HASP) is to ensure a safe working environment for NorthStar's employees, subcontractors, and visitors; as well as to facilitate compliance with relevant governmental laws, standards and regulations relating to health, worker safety and the environment. The intent of this HASP is to identify specific hazards associated with the performance of work under the scope of the contract and to prescribe and implement technical and management solutions to protect personnel.

This HASP is designed to provide the means to establish, achieve, and maintain safe working conditions through informational programs and persistent review and improvement of facilities and practices that protect the health and safety of all personnel.

This HASP provides a formal mechanism to facilitate protection of workers against foreseeable health and safety risks. This plan documents specific requirements and procedures for the protection of field personnel while working on the subject project. Other personnel, such as visitors and inspectors who enter areas under direct control of this task, must read, understand, and comply with this plan in order to ensure their own personal safety while performing prescribed activities in controlled areas. NorthStar shall take all necessary precautions in order to prevent injury to the public, building occupants (as applicable), or damage to property belonging to others. NorthStar shall meet or exceed all public safety requirements related to this project.

The contents of this Health and Safety Plan will be strictly followed during this project. This HASP will be on-site at the work location while work is being performed. If revisions to this plan are required, those revisions will be incorporated into this plan.

The provisions of the plan are mandatory for all onsite employees engaged in onsite environmental investigation and remediation activities associated with this project. Changing and/or unanticipated site conditions may require modification of this site safety plan in order to maintain a safe and healthful work environment. Any proposed changes to this plan should be reviewed with the NorthStar EHS Representative prior to their implementation. Under no circumstances will modifications to this plan conflict with Federal, state, or other governmental health and safety regulations.

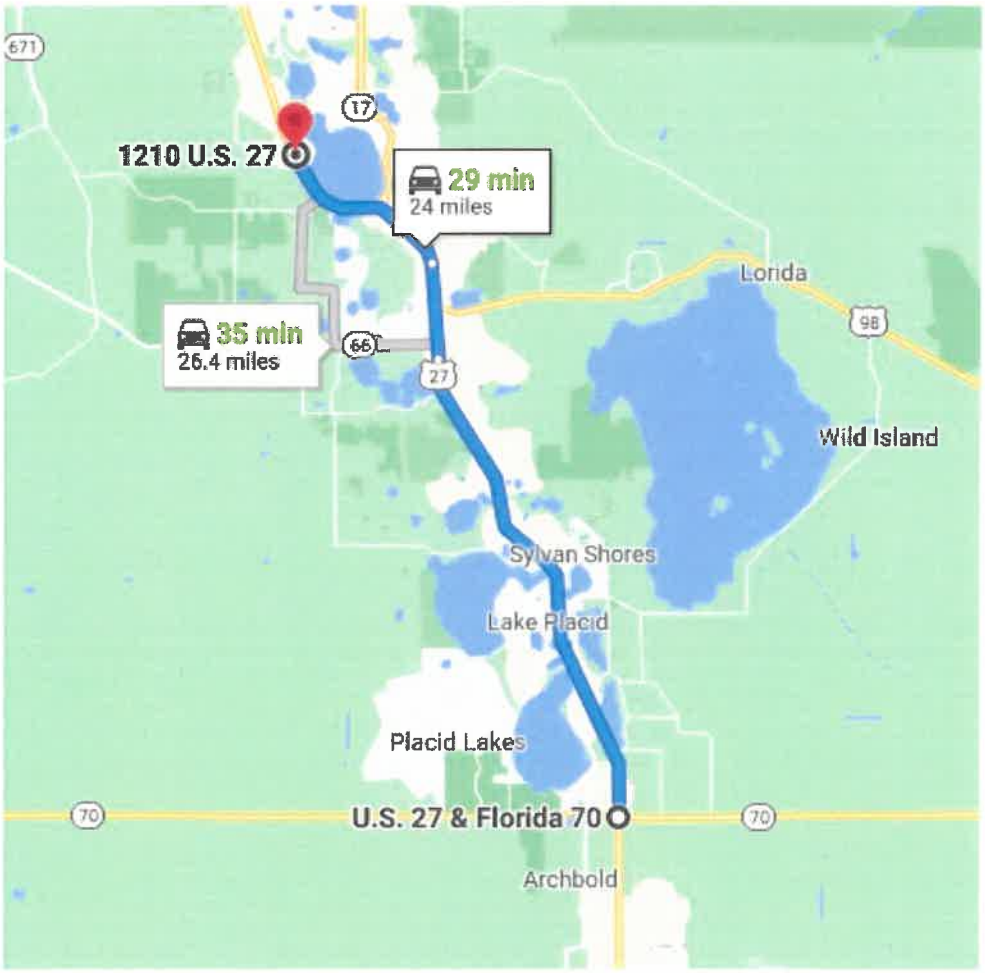
This specific plan is not to be used for other projects or subsequent phases of this project without the written approval of the EHS Representative. A copy of this plan is to be maintained at the site during all work related activities.

2.0 Project Contact Information

2.1 Project Contacts			
Project Title	State Road 25 (US 27) at South Lakeview Road		
Scope of Work	• Soil Sampling • Groundwater Sampling		
Key Personnel			
Project Manager	Phil Glover	Phone	(813) 323-5750
Superintendent	Greg Garrison	Phone	(813) 967-7447
Site Safety Officer	Geoff Ferlita	Phone	(813) 601-5249
NorthStar Claims Reporting	Corporate EHS	Phone	(409) 886-3959
Fire Department / EMS	Lake Placid Fire Department	Phone	(863) 699-3753
Ambulance Service	Various	Phone	911
Hospital (Urgent Care)	CareCenter of Lake Placid	Phone	(863) 260-0398
Hospital (EMERGENCY)	Advent Health Lake Placid	Phone	(863) 465-3777

2.2 Emergency and Incident Response	
Dial 911 from a cellular phone for the following: • Occupational injury or illness that may require emergency treatment. • Fires. • Spill or release All incidents MUST be reported to the Health and Safety Manager immediately.	
Telephone location	Employees carry cellular phones
Site address	US27 at SR70, Lake Placid, Highlands County, Florida
Nearest Hospital (w/ Urgent Care)	AdventHealth Lake Placid 1210 US Highway 27 North Lake Placid, FL 33852 **29 MIN | 24 MILES** 1. Head southeast on US-27 N toward FL-70 West and follow for 15.3 miles. 2. Continue onto US-27 N and follow for 2.9 miles. 3. Continue onto US-98 N/US Hwy 27 S and follow for 1.2 miles. 4. Continue straight to stay on US-98 N/US Hwy 27 South and follow for 4.6 miles. 5. Turn right and follow for 105 feet. 6. Turn righ tnad follow for 171 feet. 7. Destination will be on the left.

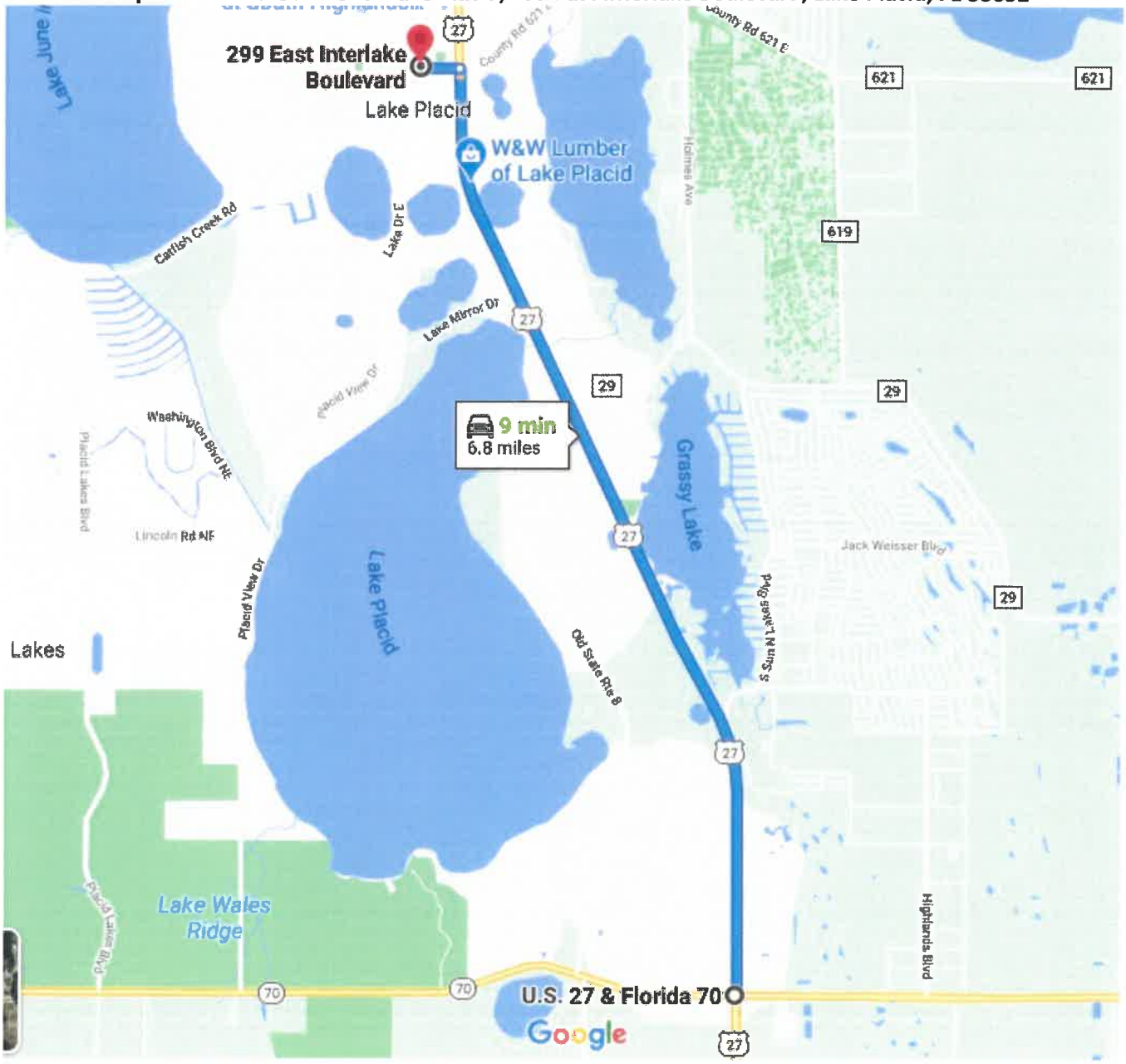
Map Route to AdventHealth Lake Placid
(call 911 for ambulance if health emergency occurs),
1210 US Highway 27 North, Lake Placid, Florida, 33852



The referenced hospital location will be used to provide medical treatment in the event of an injury requiring treatment services beyond the capabilities of on-site first aid. On-site NorthStar personnel maintain current First Aid / CPR training certifications and can administer first aid services. First aid kits are available in work areas and in the on-site emergency stations. All injuries regardless of severity must be immediately reported to the Health and Safety Representative. Injuries requiring emergency medical treatment or ambulance services must be reported to facility project manager.

2.3 Urgent Care Clinic	
Urgent Care Clinic	CareCenter of Lake Placid 299 East Interlake Boulevard Lake Placid, Florida 33852 **9 MIN | 6.8 MILES** 1. Head southeast on US-27 N toward FL-70 W and follow for 6.6 miles. 2. Turn left onto E Interlake Blvd and follow for 0.3 miles. 3. Destination will be on the right.

Map route to CareCenter of Lake Placid, 299 East Interlake Boulevard, Lake Placid, FL 33852



The referenced Urgent Care Clinic will be used to provide medical treatment for non-life threatening injuries that are beyond the capabilities of on-site first aid. First aid kits are available in work areas and in the on-site emergency stations. All injuries regardless of severity must be immediately reported to the Site Safety Officer and FDOT EHS Representative.

2.3 Emergency Rally Points

2.3.1 Facility Evacuation Meeting Point

The evacuation meeting point will be the singular point all employees are to meet at in the event of a site evacuation. Once at the meeting point the NorthStar Superintendent will take a head count to ensure all personnel have safely evacuated. The location of the meeting point will be selected during the Tailgate safety meeting conducted by the Superintendent or Health and Safety Officer prior to beginning work each day. The rally point will vary depending on site conditions and wind direction.

2.3.2 Emergency Communications

Communication of the emergency on site will be provided through the use of verbal communication, hand signals, and cell phones.

3.0 Health and Safety Management

NorthStar takes a highly proactive approach to safety, and the teams' outstanding safety record reflects a continuous dedication to excellence in this area. In addition to adherence to required regulatory training and standards, NorthStar implements company-specific programs across all operations and departments in a concerted effort to promote safety awareness, employee well-being, and the safest possible on-site work practices.

NorthStar follows NIOSH's Hierarchy of Controls to select a preferred method to reduce or eliminate exposure to the work area hazard. The Hierarchy of controls describes that the control methods in order of preference are: elimination or substitution, engineering controls, warnings, training, and personal protective equipment.

The purpose of this plan is to assign responsibilities, establish personal protection standards and mandatory safety procedures, and provide for contingencies that may arise while operations are being conducted at the site. This plan complies with, but does not replace, State and Federal Health and Safety Regulations. This plan is to be used by NorthStar as a supplement to such rules, regulations, and guidance.
The provisions of the plan are mandatory for all onsite employees engaged in performance of the scope of work associated with this project.

Changing and/or unanticipated site conditions may require modification of this site safety plan in order to maintain a safe and healthful work environment. Any proposed changes to this plan must be reviewed with the NorthStar EHS Representative prior to their implementation. Under no circumstances will modifications to this plan conflict with Federal, state, or other governmental health and safety regulations.

3.1 Safety Program Goals

NorthStar's goal for this project is to Target Zero - zero injuries and illnesses. Our objectives are to ensure employees are well informed in the hazards particular to the scope of work; all employees are comfortable, confident, and knowledgeable before engaging in any task; employees are encouraged and take ownership of participating in the safety process; and that any time a situation presents itself without a clear plan of action, work will be stopped until a resolution is reached.

3.2 Stop Work Authority

All employees on site have the authority and responsibility to stop work for conditions posing imminent hazard or danger. Imminent hazards are those hazards or situations, if allowed to persist, likely to cause an accident resulting in death, serious injury, significant property damage, or environmental impairment. NorthStar considers no activity to be so urgent or important that its standards for environmental protection, safety, or health may be compromised. Employees have the right and responsibility not to perform tasks or activities they feel pose undue risk to themselves, co- workers, or the environment.

3.3 Safety Meetings

Before the start of work each day, all NorthStar employees will attend a safety meeting. Topics for the Tailgate Safety Meetings will be selected based on observations of behaviors or conditions from previous days, or in response to upcoming activities. The emergency rally point will be selected during this meeting.

During the morning safety meeting, each crew will devote time to discussing the scope of work, the planned activities for the days, and all associated potential hazards related to those activities. This information will be documented in a bound field book and each day's health and safety meeting notes shall be signed by all crew members. All NorthStar employees and subcontractors working on the site are expected and required to attend the Tailgate Safety Meeting.

3.4 Site Compliance Inspections

In order to ensure compliance with regulatory agencies and NorthStar's internal procedures and expectations, field inspections will be performed of all our projects. On all job sites Health and Safety Representatives or the Supervisor in charge will perform regular and frequent inspections of the condition of the work site. Any findings generated from the inspection will be recorded on the inspection form and included into the corrective action tracking log. Any deficiencies found during any inspection are to be corrected immediately. Corrective actions that cannot be completed immediately will be tracked for follow-up with the responsible personnel. Only items requiring transfer/purchase of additional materials and/or equipment, or require follow-up meetings or training will not be corrected immediately.

3.5 Safety Interventions

NorthStar empowers its employees to intervene whenever they see someone exhibiting an unsafe behavior or working in unsafe conditions. When such a situation is observed, an intervention is conducted by discussing with the person how the task could be performed safely.

Unsafe conditions will be corrected immediately, and any condition requiring the purchase of new tools and equipment will require a temporary task stand-down until the correct equipment is available. Unsafe behaviors may be corrected through coaching or re-training. As needed, the observer can involve the Supervisor or local management to resolve the issue.

3.6 Site Safety Orientation

All employees, visitors, and subcontractors to the site must attend a Site Safety Orientation before being allowed to enter into the site. The objective of the site safety orientation is to review the requirements and objectives of this Health and Safety Plan and to familiarize the attendees with the scope of work in progress. Orientation sessions will be scheduled internally to accommodate new personnel as they need access to the site. All employees and subcontractors arriving to the site will complete the NorthStar orientation.

3.7 Incident Investigations

Careful investigation of incidents to determine root causes and identify corrective actions is paramount to prevent the recurrence of that incident. All employees must immediately report near misses, injuries, and illnesses according to the claims reporting procedure provided in Appendix A.

4.0 Chemical Hazards

There are two categories of chemical / biological hazards associated with site activities:

- Site Constituents
- Chemicals used to conduct the site work, i.e. Hazard Communication Materials

Site constituents are those that exist at the site and are the cause for conducting site activities. The chemicals that are brought on site in order to conduct the work may be hazardous and subject to regulation under OSHA's Hazard Communication Standard (29 CFR 1926.59).

From an occupational health standpoint, the levels of contaminants that have been, or could be, encountered during site activities should not represent a significant concern if the provisions of this HASP are appropriately implemented. However, the potential for exposure to elevated levels of these contaminants may exist.

Overviews of the hazards associated with exposure to elevated levels of these contaminants may exist. Overviews of the hazards associated with exposure to the chemicals that may pose a hazard during site activities are presented below in terms of the following types of occupational exposure limits:

PEL - Permissible Exposure Limit (OSHA Standard)
TLV - Threshold Limit Value (ACGIH Guidance)
REL - Recommended Exposure Limit (NIOSH Guidance)
STEL- Short Term Exposure Limit
C - Ceiling

OSHA Permissible Exposure Limits (PELs), ACGIH Threshold Limit Values (TLVs), and NIOSH Recommended Exposure Limits (RELs) are time-weighted averages (TWAs) defined as concentrations for a normal 8-hour work day and 40-hour work week to which almost all workers can be repeatedly exposed without suffering adverse health effects

Short Term Exposure Limit (STEL) is defined as the concentration to which workers can be exposed for short time periods without irritation, tissue damage, or narcosis sufficient to likely cause impairment of self-rescue or precipitate accidental injury. The STEL is a 15-minute time-weighted average that should not be exceeded at any time during the workday.

A ceiling value (C) is a concentration that should not be exceeded at any time in any workday. Ceiling limits are used by OSHA, ACGIH and NIOSH for chemical exposure criteria.

4.1 Site Constituents

The site constituents of concern is petroleum impacted water. These contaminants are present as a result of past contamin. Symptoms of exposure to arsenic include cough, sore throat, shortness of breath, weakness, redness, abdominal pain, diarrhea, nausea, vomiting, burning sensation in throat and chest, shock or collapse, and

unconsciousness. Symptoms of exposure to chromium include eye irritation, sensitization and dermatitis. Symptoms of lead exposure include weakness, insomnia, gingival lead line, abdominal pain and eye irritation.

Additionally, Asbestos Containing Materials may affect the lung and digestive systems, leading to asbestosis, lung cancer and mesothelioma if overexposed.

Specific Metals of concern include:

Arsenic:PEL = 5 ppm (5 mg/m3)
Chromium: PEL = 0.5 ppm (0.5 mg/ m3)
Lead: PEL = 0.05 ppm (0.05 mg/ m3)

Respiratory protection must be worn by those individuals conducting intrusive work in suspected asbestos-containing materials.

4.2 Hazard Communication Materials

Chemical products regulated under the OSHA Hazard Communication Standard (29 CFR 1926.59) may be used during this project. The Safety Data Sheets (SDS) for commercial products with hazardous ingredients will be maintained at the worksite. NorthStar will maintain SDS in hard copy binders on site to make SDS readily available to all employees while working on the site. The SDS for any chemical product in use at the job site may be retrieved from the manufacturer's website or by contacting the Branch office.

For this project, no hazardous materials will be utilized.

5.0 General Safety Rules

The following General Safety Rules must be strictly adhered to by all NorthStar employees, visitors, vendors, and subcontractors while on site:

- Employees must be in Level D "working" clothes and ready for work at the designated start time.
- Employees may take lunch breaks only during designated times and must eat in the area assigned as a clean zone while on the job site. There will be no smoking, eating, or drinking while in the work zone. Smoking is only allowed in designated areas and butts must be disposed property and NOT discarded to the ground.
- Personnel will not quit work before the time designated for the conclusion of the work shift. There will be sufficient time allocated for the removal of work clothes, decontamination, etc.
- Employees must report to work each regularly scheduled work day. Continued absenteeism is a violation of these rules.
- All personnel are required to comply with NorthStar's Alcohol and Drug Free Workplace Policy as a condition of employment. Violation of any portion of this policy may be cause for immediate discharge.
- Personnel should not drink alcoholic beverages prior to reporting to work. Having reported to work, employees are then prohibited from consuming alcoholic beverages during either lunch or coffee breaks.
- Personnel must comply with both verbal and written instructions from a supervisor or foreman.
- While on the job site, personnel must comply with OSHA Safety and Health Standards for the Construction Industry and with each of the safety procedures required by the NorthStar safety program on the project.

- All personal work injuries must be reported to a supervisor immediately.
- All unsafe conditions or unsafe acts must be reported immediately to a supervisor.
- Whenever overhead work is conducted or heavy equipment is being used, hard hats must be worn by all personnel while on the job site.
- Employees must use their personal protective equipment as required by law, including but not limited to head, hearing, eye, hand, foot, and fall protection devices.
- When required, protective clothing, including hood and booties, will be worn correctly.
- When required, assigned respiratory protection equipment will be worn.
- If respirators are a requirement of the job, they will not be removed while in the work area for any reason.
- During working hours, appropriate clothing must be worn when not in containment area, including shirts, long pants and protective toe shoes.
- If air sampling equipment has been attached to an individual, this equipment must be left alone and unobstructed until instructed to remove it.
- There will be absolutely no smoking within the work zone.
- Good housekeeping by all personnel is considered mandatory.
- Employees will not engage in horseplay, practical jokes, or mischief while on the job site or Company property.
- Fighting or attempting bodily injury to another employee or Company visitor while on the jobsite or Company property is not permitted.
- Unauthorized use of, or willful or wanton neglect in the care and/or use of Company property is not permitted.
- Falsifying Company records and/or reports will not be tolerated.
- Only the person who tags-out or locks-out equipment is allowed to remove such a tag or lock from the equipment.

6.0 Site Hazards

6.1 Backing Field Vehicles

Implement the following precautions to prevent incidents during backing of field vehicles:

- Avoid backing whenever possible; ensure field vehicles are equipped with operational backup alarms.
- If backing is required, there MUST BE a spotter. If a spotter is not available, the driver MUST walk completely around the vehicle before backing up.
- When backing is likely to be a part of the activities, it must be discussed in the daily safety briefings.
- Learn your vehicle's blind spots.

6.2 Equipment Maintenance

Only trained and authorized personnel shall perform equipment repairs and maintenance. To prevent getting caught, pinched or injured by machine parts, machines must be turned off and locked out during most maintenance. Only manufacturers approved replacement parts, fluids, etc. shall be used. NorthStar employees will add fluids as necessary but will not make any more involved or serious repairs than that. Minor repairs including fluid and belt changes, surface hard facing, welding repairs, replacement of blades and teeth will be performed on site by competent and experienced NorthStar personnel. Major repairs including repair/rebuild of engine and transmission components may require a subcontracted mechanic. All subcontractors must follow the provision of this Health and Safety Plan along with all site rules.

6.3 Fire Prevention

To protect against fires, follow the following precautions:

- Type ABC fire extinguishers will be available on site to contain and extinguish small fires. The local fire department shall be summoned in the event of any fire on site.
- Fire Extinguishers shall be provided so that the travel distance from any work area to the nearest extinguisher is less than 50 feet. Fire extinguishers must also be present on aerial lifts and heavy equipment.
- Extinguishers must 1) be fully charged and in operable condition 2) be visually inspected each month, and 3) undergo a maintenance check each year. Never use an extinguisher past its annual maintenance check (paper tag).
- Keep the area in front of the extinguisher clear.
- Combustible materials stored outside should be at least 10 feet from any building.
- Solvent waste and oily rags must be kept in a fire resistant covered container until removed from the site.
- Flammable/combustible liquids must be kept in approved containers (fuel tanks or safety cans). All containers must be labeled as to their contents.
- Smoking is allowed only in designated areas.

6.4 Hand and Power Tools

Only authorized trained workers will be allowed to use powered hand tools. The hand tools expected to be used on this project include power saws, shears, string trimmers, mattocks, and shovels. The following safety guidelines should be followed:

- Keep hand and power tools in safe condition and use only for the task they were designed.
- Remove damaged and defective tools from service. "Red tag" tools requiring repair and document what is wrong with the tool before returning it to the warehouse or tool room.
- Power tools designed with guards must be equipped with those guards when in use.
- Do not carry sharp tools in pockets.
- Clean tools and return to the job box when finished using.
- Do not throw tools from place to place, from person to person, or drop from heights.

6.5 Drilling Operations

Drilling/ boring/auguring in soil activities for the collection of soil samples are covered by this procedure. Drilling methods may include cable tool, rotary drilling, hollow stem auger drilling, rotary sonic drilling, and direct push. Specific hazards and safety rules concerning drilling operations can be categorized with the use of the acronym PRIME – personnel, rig, inhalation, mast, and evaluate.

- Personnel
  - Employees involved in the operation should not wear loose-fitting clothing, or other items such as rings or watches that could get caught in moving parts. Persons with long hair should have it constrained. Minimum protective gear includes steel-toed shoes, hearing protection, hard hats, and eye protection.
  - The rig must be equipped with adequate supplies of first aid materials. At least one member of the crew should be qualified to render first aid.
  - Smoking or use of spark-producing equipment around drilling operations is prohibited because flammable gases may be released from the subsurface environment.

- Rig

- The drill gear boxes (transmission for rotary drive, feed control, etc.) should be placed in neutral while an operator is not at the controls. The operator must shut down the rig engines prior to leaving the immediate vicinity of the drill.
- The drill rig should not be operated during severe inclement weather.
- Personnel should be warned to "stand clear" prior to rig start up.
- The rig should be leveled and stabilized with jacks and adequate cribbing before raising the mast.

- Inhalation
  - Wear the appropriate respiratory and dermal protection if exposure to hazardous vapors or contaminated cuttings and fluids is a possibility.
  - Cuttings, drilling liquids, and ground water may be contaminated. The presence of hazardous constituents should be evaluated, and the fluids managed accordingly. Direct contact with these materials should be avoided.

- Mast and Drill
  - Rig personnel and visitors should be cleared from areas to the side and behind the rig before raising the mast.
  - The mast must never be in the raised position when the drill rig is driven.
  - A signal man should be designated to assist with backing and when raising the mast.
  - The single most common fatal occupational accident among drillers is rig contact with overhead power lines. The driller must check for overhead power lines before raising the mast.
  - Before drilling the driller should secure and lock in place according to the manufacturer's instructions.
  - The drill rig must be provided with a kill wire or switch which is kept in working order, and adequately labeled. Personnel should be familiar with the location of the kill switch.
  - When heavy objects are hoisted aloft there is a danger of them coming down in an uncontrolled manner and at an unwanted time.
  - Rig maintenance is a critical item. The driller should have a program of regular maintenance. Many companies have checklists to assist in maintenance.
- Evaluate
  - What could go wrong here, and if it does, what is the probable outcome?
  - What attitudes are prevalent among the drillers?
  - If the attitudes are unfavorable, what should I do to change them?

Common accidents at drilling sites include contact with underground or above ground electrical utilities, rig turnover, blow-out of pressurized hoses, falling objects, pinching between rods, caught on augers, cathead, or other moving parts, and falls. Good housekeeping, proper machine maintenance, appropriate PPE, and common sense should be used at all times during drilling operations.

6.6 Heat Stress Recognition and Control

This work will be conducted during the summer months; a worker may produce as much as 2 to 3 gallons of sweat during strenuous activities. It is essential water intake be about equal to the amount of sweat produced. Most workers exposed to hot or strenuous conditions drink fewer fluids than needed because of an insufficient thirst drive.

SYMPTOMS AND TREATMENT OF HEAT STRESS

Type of Heat Stress	Signs and Symptoms	Treatment
Heat Syncope	Sluggishness or fainting while standing erect or immobile in heat.	Remove to cooler area. Rest lying down. Increase fluid intake. Recovery usually is prompt.
Heat Rash	Profuse tiny raised red blister-like vesicles on affected areas, along with prickling sensations during heat exposure.	Use mild drying lotions and powders, and keep skin clean for drying skin and preventing infection.
Heat Cramps	Painful spasms in muscles used during work (arms, legs, or abdomen); onset during or after work hours.	Remove to cooler area. Rest lying down. Increase fluid intake.
Heat Exhaustion	Fatigue, nausea, headache, giddiness; skin clammy and moist; complexion pale, muddy, or flushed; may faint on standing; rapid thready pulse and low blood pressure; oral temperature normal or low.	Remove to cooler area. Rest lying down, with head in low position. Administer fluids by mouth. Seek medical attention.
Heat Stroke	Red, hot, dry skin; dizziness; confusion; rapid breathing/pulse; high temperature.	Cool rapidly by soaking in cool – but not cold – water. Call ambulance and get medical attention immediately.

6.7 Housekeeping

An orderly and organized worksite is safer and more efficient than a disorganized one. General "good housekeeping" practices include:

- Walkways and common paths of travel including stairs and scaffolds should be established and kept free from the accumulation of materials.
- Access to aisles, exits, ladders, stairways, scaffolding, and emergency equipment should be kept free from obstructions and obstacles.
- Keep walkways free from slipping hazards such as spilled liquids, snow, or ice.
- Specific areas should be designated for the proper storage of materials and equipment.
- Return tools and equipment to the job boxes when done using them.
- As work progresses, scrap and unessential materials must be neatly stored or removed from the work area.
- Place trash and debris into appropriate containers and empty those containers on a daily basis.
- Clean up leaks and spills of liquids immediately.

6.8 Material Handling / Lifting Hazards

Strains and sprains in backs and extremities are possible due to overexertion in lifting, pulling and pushing loads. Workers shall have training in proper lifting techniques and back injury prevention. Employees must get assistance when lifting irregular shaped or heavy objects and use proper lifting techniques. Multiple cases must be handled on a pallet with a pallet jack or a forklift. Use of handcarts and other mechanical material handling devices is recommended. Exercise care to avoid overexertion.

The following guidelines will be followed whenever lifting equipment or any other objects that are of odd size or shape, or that weigh over 40 pounds.

All workers shall follow these basic guidelines when lifting:

- Get help when lifting heavy loads. Heavy items will only be lifted using a two-person lift.
- When moving heavy objects such as drums or containers, use a dolly or other means of assistance.
- Plan the lift. If lifting a heavy object, plan the route and where to place the object. In addition, plan communication signals to be used (i.e., "1, 2, 3, lift," etc.)
- Wear sturdy shoes in good conditions that supply traction when performing lifts.
- Keep your back straight and head aligned during the lift and use your legs to lift the load – do not twist or bend from the waist. Keep the load in front of you – do not lift or carry objects from the side.
- Keeping the heavy part of the load close to your body will help maintain your balance.

6.9 Noise Hazards

Noise-induced hearing loss is a potential hazard caused by exposure to loud and prolonged noise (e.g., work around heavy equipment, power tools, pumps, generators). Suspected high noise operations will be evaluated to determine if hearing protective devices should be worn in accordance with NorthStar Hearing Conservation Program. A general field rule is to wear hearing protection if you cannot hear normal conversation within an arm length of the person talking. Hearing protective devices (HPD) are personal protective equipment worn by employees as protection against harmful noise levels which may result in temporary or permanent noise-induced hearing loss.

Generally, HPD include equipment such as earplugs and earmuffs. Non-Mandatory Use of HPD: HPD are offered (i.e. non-mandatory) to employees included in similar exposure group (SEG) which have an exposure profile that is less than 90 dB for an 8-hour TWA. Mandatory Use of HPD: Mandatory use of HPD is enforced for the following conditions:

- For SEG which have an exposure profile of 90 dB or more for an 8-hour TWA.
- For any employee who has experienced a Standard Threshold Shift (STS).
- When administration of the audiometric test is postponed for any period from the time the employee is first exposed to noise at or above 85 dB, until the baseline audiometric test is conducted.

Site employees are responsible for:

- Wearing the appropriate HPD when and where required and in accordance with the training provided.
- Informing site management of any noise hazards which may not be addressed sufficiently, including any other concerns regarding this program.
- Following the appropriate procedures for the use, care, inspection, and maintenance of HPD.
- Notifying site management immediately if a HPD does not fit properly, causes irritation, or interferes with spoken instructions or warning signals to that suitable hearing protectors can be obtained.

6.10 Job Task / Hazard Table

The table below is a summary overview of the anticipated hazards and risks for the major portions of the scope of work. This table is not a replacement for the required Hazard Analysis to be prepared by the field crew before beginning the day's task.

- High - Exposure likely more than 50% of the time Med - Exposure likely 10-50% of the time
- Low - Exposure likely less than 10% of the time N/A – Exposure not anticipated

Job Task		Chem. Hzds.	Fire Hzds.	Lifting Hzds.	Mech'l Hzds.	Electrical Hzds.	Heat/ Cold Stress	Slip/Trip / Fall	Noise	Cuts
1	Site mobilization	N/A	Low	Med	Low	N/A	N/A	Low	Low	Low
2	Soil Screening/ Soil Sampling	Med	Med	High	High	High	High	High	High	High
3	Groundwater Screening	Med	Low	Low	High	Med	High	High	High	Med
4	Groundwater sampling	Med	Low	Low	Low	Low	Med	Med	Low	Med
5	Site Restoration	Low	Low	Med	Med	Low	Med	Med	Med	Low
TASK MINIMUM PROTECTIVE CLOTHING/EQUIPMENT REQUIREMENTS										
2-6	Steel-toed boots, safety glasses, work gloves, high-visibility shirt or vest, and hard hats. Hearing protection during equipment operation.									

7.0 Equipment and Supplies

7.1 Personal Protective Equipment

Work will be conducted onsite in Level D PPE. The required PPE for Level D for all invasive work at this site is as follows:

- ANSI approved safety glasses + side shields
- Ear plugs or muffs
- Steel-toed boots
- Work gloves (leather)
- High visibility vest (ANSI / ISEA 107-2004)

Personnel within the work area are to wear the specified PPE during invasive site activities in accordance with this HASP. Invasive site activities include media sampling, drilling, or any activity that disturbs soil or increases exposure risks.

7.1.1 Limitations of Protective Clothing

The protective equipment ensembles selected for this project are anticipated to provide protection against the types and concentrations of hazardous materials that may potentially be encountered during operations. However, no protective garment, glove or boot is resistant to all chemicals at any concentration; in fact, chemicals may continue to permeate or degrade a garment even after the source of the contamination is removed.

In order to obtain optimum usage from PPE, the following procedures are to be followed by all NorthStar personnel:

- When using disposable coveralls, don a clean, new garment after each rest break or at the beginning of each shift
- Inspect all clothing, gloves and boots both prior to and during use for:
  - Imperfect seams
  - Non-uniform coatings
  - Tears
  - Poorly functioning closures
- Inspect reusable garments, boots and gloves both prior to and during use for:
  - Visible signs of chemical permeation such as swelling, discoloration, stiffness or brittleness
  - Cracks or any signs of puncture or abrasion

Any reusable garments exhibiting any such characteristics will be discarded. Contaminated garments will be disposed in accordance with the regulatory waste handling and disposal requirements for those contaminants.

7.2 Health and Safety Equipment

- NorthStar Policies and Procedures (relevant to project)
- First Aid kits
- Drinking water
- Type ABC fire extinguishers
- Personal decontamination supplies
- Portable eyewash station

7.3 Engineering Controls to be Used (as applicable)

- Traffic cones
- Caution tape

7.4 Instrumentation to be Used

- VOC detector

8.0 Responsibilities

NorthStar will strictly adhere to the provisions of this health and safety plan, along with the applicable regulations issued by governmental entities. NorthStar will coordinate safety activities as needed with customer representatives.

8.1 NorthStar Health and Safety Manager

The Health and Safety Manager is responsible for verifying that the project is conducted in a safe manner including the following obligations:

- Verify the SSHASP is current and amended when project activities or conditions change.
- Manage the site and interface with third parties in a manner consistent with our contract/subcontractor agreements and the applicable standard of reasonable care.
- Ensure that programs are effectively functioning to prevent and control hazards on the project.
- Verify that all employees working in the field have the appropriate level of HS&E training, medical surveillance, and drug and alcohol testing for their job duties including required specialty training.

- Maintain active and visible involvement using open communication with employees regarding safety issues on the project.
- Verify that safety meetings are conducted and document in the project file as needed throughout the course of the project.
- Post required information on-site, including Occupational Safety and Health Administration (OSHA) job-site posters.
- Maintain HS&E records and documentation.
- Verify that all forms, permits, and hazard assessments are being used as outlined in this plan.
- Verify appropriate PPE use and availability.

8.2 Project Manager

The Project Manager is responsible for ensuring that the necessary personnel are available for the contracted responsibilities for this project, and that the reporting, scheduling, and budgetary obligations for the project are met. The project manager is ultimately responsible for ensuring that all project activities are completed in accordance with requirements set forth in this plan, including the following obligations:

- Ensure that the overall HS&E goals are fully and continuously implemented.
- Promote a safety culture with onsite personnel and set the example for safe behavior.

8.3 Superintendent

The Superintendent is responsible for the project's safety program and procedures and the assurance that they are followed. Each Project Superintendent in conjunction with the EHS Representative will have the overall responsibility for field implementation of the HASP. This includes communicating site requirements to all onsite project personnel.

To achieve these objectives, the Site Superintendent must provide the following:

- Consider the safety factor in planning all job site operations.
- Ensure orientation training is conducted for each new employee arriving at the project including site visitors explaining NorthStar safety policies and hazards specific to that person's work or visit. Communicate team approach to safety.
- Ensure the project site is adequately supplied with general personal protective equipment (PPE) such as safety glasses, vests, fall protection equipment and hearing protection. Need to ensure that any specialty equipment is onsite well ahead of time needed.
- Ensure that hazard analyses are reviewed and used by work crews before engaging in site activities.
- Ensure that housekeeping for all areas of the site is acceptable.
- Ensure that adequate sanitation facilities and potable drinking water is provided for employees.
- Correct any unsafe acts or conditions immediately.
- Ensure foremen and other staffs are adequately trained to perform work safely.
- Ensure incident reports and investigations are completed/submitted in a timely fashion.

8.4 Site Employees & Subcontractors

All personnel are assigned responsibility for safe and healthy operations. This concept is the foundation for involving all employees in identifying hazards and providing solutions. For any operation, individuals have full authority to stop work and initiate immediate corrective action or control. In addition, each worker has a right and responsibility to report unsafe conditions/practices. Each employee is responsible for the following:

- Perform work in a safe manner without injury, illness, or property damage.

- Perform work in accordance with company policies, and report near misses, injuries, illnesses, and unsafe conditions.
- Report all hazardous conditions and/or hazardous activities immediately to a supervisor for corrective action.
- Intervene when an unsafe behavior and/or condition is observed.

Complete a Site Safety Orientation prior to being authorized to enter the project work areas.

9.0 Respirators

Respirator use is not anticipated during the course of this project. However, should site conditions change and their use be required work will be immediately stopped. The NorthStar Project Manager and Health and Safety Manager will be notified. Work will not resume until the conditions requiring respirator use are abated or the following requirements can be met.

Engineering controls and safe work practices (e.g. elimination of the source of contamination, ventilation equipment, limiting exposure time, etc.) must always be the primary control for air contaminants. Respirators will be used if engineering or work practice controls are not feasible for controlling airborne exposures below acceptable concentrations and as an interim control measure while engineering or work practice controls are implemented.

Once the need for respirators has been established, the respirators will be selected on the basis of the hazards to which the worker is exposed. Only NIOSH-approved respirators will be issued. Selection criteria established in 29 CFR 1926.103 has been used by the HASP Preparer in determining respirator requirements for this project. Appropriate updates will be made to this document at the time the need for respirators is established.

10.0 Decontamination Procedures

10.1 Personnel Decontamination

Whenever respirators and accompanying PPE are used, the following steps will be followed whenever personnel leave the work area. During other activities where lesser PPE is worn, personnel will remove soiled items and wash their hands and face before eating, drinking, etc.

- Remove all equipment that requires cleaning to the cleaning area.
- Remove boot covers (if used).
- Remove outer disposable coverall and place in bag for disposal.
- Remove gloves.
- Remove hardhat and eye protection.
- Proceed to wash facilities and wash hands and face.

Each worker will be responsible for cleaning, sanitizing and storing their own respirator in accordance with manufacturer's guidance (i.e., washing in warm water and detergent or sanitizing solution, air drying, and storing in a plastic storage bag.)

10.2 Sanitation / Wash / Change Facilities

Sanitation facilities are provided in the form of portalets and handwashing stations located at the site. As needed, facilities will be moved around the site to provide coverage to work areas.

Potable water will be made available at the site from commercially available bottled water. Sources of non-potable water shall be clearly labeled as such.

11.0 Training and Medical Surveillance

NorthStar site personnel receive training in accordance with their assigned job responsibilities. Training is identified to ensure all employees and subcontractors have been appropriately trained, possess the required qualifications, and are competent to perform their assigned tasks. All personnel working onsite who may encounter the chemical constituents of concern will be enrolled in a medical monitoring program and will meet the HAZWOPPER training requirements promulgated by OSHA.

APPENDIX A

Field Forms

NORTHSTAR GROUP SERVICES, INC.
CLAIMS REPORTING PROCEDURE

TABLE OF CONTENTS

PAGE	DESCRIPTION
1	Reporting Procedures
2	Employee Injury & Investigation Report
3	Employee Statement of Injury
4	Witness Statement
5	Employee Work Accident Release Form
6	Auto Accident Report
7	General Liability Loss Report
8	Daily Safety Meeting

These forms can be found in the following directory folders:

SharePoint: Environmental Health & Safety / EH&S Documents / Incident Reporting AND
New York Shared: Health & Safety / Forms / Accident Prevention and Mgmt.

*New York: Health & Safety / Workers Comp

NorthStar

SECTION 1 - PURPOSE

To describe the procedures for informing management of incidents and assuring timely responses, from various Company resources, to help resolve any issues resulting from an incident.

Incident - an unplanned event resulting in personal injury, occupational illness, property damage, vehicle or equipment accident, loss of assets, fire or explosion, spill or release, or adverse publicity.

SECTION 2 - POLICY

All incidents having either an immediate or potential effect on the safety and well-being of Company employees or property, our client's employees or property, the general public or other private property, will be reported and recorded within the time frame allocated.

It is company policy to voluntarily comply with all employee and visitor accident, injury and illness reporting requirements established by OSHA, State Workers Compensation Agencies, and NorthStar's Insurance Claims Service.

2.1 Reporting Sequence

Company personnel are required to immediately report all incidents to their supervisor.

The supervisor will immediately notify the assigned Health and Safety Officer or, if unavailable, the Corporate Safety Office in Orange, Texas at 409.886.3959. The assigned Safety Officer will then immediately notify Corporate Safety and the Branch and Operations Managers.

All incidents to be reported include:

- All accidents with injury regardless if on-site first aid or medical treatment;
- All motor vehicle or equipment accidents with or without injuries;
- All Fires / explosion with or without injuries and regardless of property damage;
- All spills and/or releases of hazardous substances regardless of quantities involved;
- All incidents with property damage.

2.2 Documentation Submittal

Incident documentation (i.e. Employee Injury & Investigation Report and doctor's reports, etc.) are required within 24 hours of incident or first notice to supervisor. Send ALL incident documentation to both the following claims managers:

Kendra Shelton
NorthStar/LVI Claims Manager
1201 S. Childers Road
Orange, TX 77630

Marlene Haworth
NorthStar/NCM Claims Manager
8160 304th Ave. SE
Preston, WA 98027 kshelton@lviservices.com
mhaworth@ncmgroup.com

NorthStar

Employee Injury & Investigation Report

INCIDENT INFORMATION

Date of Incident:	Time:	Branch Location:	Co. #

Job Number:	Job Name:	OCIP Yes No

Job Address:	Shift Start/End Time:	Days/Wk. & Hrs./Day:

Project Manager Name:	Supervisor Name:
Date of Report *(if different from Date of Incident)*:	Supervisor Contact #:

Project Supervisor Notified? Yes No	When?	Who?
Health & Safety Representative Notified? Yes No	When?	Who?

INJURED EMPLOYEE

Name:	Address:

Sex: Male Female	Age:	DOB:	Phone:

Occupation & Code *(A=Asb, D=Demo, O=Other)*:	SSN:	Emp. #:	Date of Hire:

Wage Rate:	# of Dependents:	Marital Status:	Yrs of Exp:

Injured Part of Body:	Remarks:	*Mark if Employee was NOT on duty at time of injury*

Nature of Injury				
Dislocation	Bruise/Contusion	Carbon Monoxide	Strain / Sprain	Scratch/Abrasion
Laceration/Cut	Fracture	Crushing	Internal	Foreign Body
Other (Specify):	Burn/Scald	Electrical Shock	Slip/Trip/Fall	Chemical Reaction

Treatment	Treating Physician or Facility:	
First Aid on Site	Address:	
Occupational Clinic	Phone:	
Emergency Room	Hospitalization	Other:

How was employee transported to Physician or Facility:

DAMAGED PROPERTY

Property Damaged:
Describe Damage:
Object or Substance Inflicting Damage:

DAMAGED EQUIPMENT

NorthStar Equipment	Rental Equipment
Rental Company Name:	Equipment Serial #:
Describe Damage:	
Object or Substance Inflicting Damage:	

NorthStar

Employee Injury & Investigation Report

DESCRIBE WHAT HAPPENED (attach Employee Statement of Injury form, include photographs if necessary)

WITNESSES (attach Witness Statement forms for each)

Please list the name, contact number and address of any witnesses:

THIRD PARTY

Was cause of incident due to negligence of a 3rd party?	**Yes**	**No**	
Provide Name:		**Phone:**	
Address:			
Employer Name/Address:			***Mark if Employee was NOT on duty at time of injury***
Injured Name:	**Employee #:**	**DOI:**	

INCIDENT ANALYSIS

Using the root cause analysis list below, explain the cause(s) of the incident in as much detail as possible:

Were Safeguards or Safety Equipment Provided?	Yes	No	**Were They Used?**	Yes	No
As a result of this incident, was employee Drug Tested?	Yes	No	**Was employee Alcohol Tested?**	Yes	No

ROOT CAUSE ANALYSIS (Mark All That Apply)

Improper work technique	Extreme temperature (hot or cold)	Lack of written procedures or policies
Safety rule violation	Congested work area	Safety rules not enforced
Improper PPE or PPE unused	Hazardous substance	Hazards not identified
Operating without authority	Fire or explosion hazard	Safety equipment unavailable
Failure to warn or secure	Inadequate ventilation	Insufficient work training
Operating at improper speed	Improper material storage	Insufficient supervisor training
By-passing safety devices	Improper tool or equipment	Improper maintenance
Guards not used	Insufficient knowledge of job	Non-compliance not corrected
Improper loading or placement	Slippery condition	Inadequate job planning
Improper lifting	Poor housekeeping	Inadequate job oversight
Line of Fire	Excessive noise	Inadequate workplace inspections
Horseplay	Inadequate guarding of hazards	Inadequate equipment
Drug or Alcohol use	Defective tools/equipment	Unsafe design or construction
Unnecessary haste	Insufficient lighting	Inadequate communication of expectations
Unsafe act of others	Inadequate fall protection	Improper performance is rewarded
Other (Specify):		

NorthStar

Employee Injury & Investigation Report

PREVENTIVE ACTIONS			
Describe actions that will be taken to prevent recurrence:	**Deadline**	**By Whom:**	**Date Completed**

REPORT REVIEW		
Supervisor's Signature:	**Print Name:**	**Date:**
Safety Officer Signature:	**Print Name:**	**Date:**

NorthStar

Employee Statement of Injury

Declaracion de Herida del Empleado

Completed by Employee:	Completed by Translator:	Translator Signature:

Name:	Date of Birth:
Nombre	*Fecha de Nocimiento*

Date Injury Occurred:	Time Injury Occurred:
Fecha ocurrida de la herida	*Hora ocurrida de la herida*

Name/Title of Person Notified:

Nombre/Titulo de la persona que Notific

Date Injury Reported:	Time Injury Reported:
Fecha del Roporte de la Herida	*Hora del Reporte de la Herida*

Address Where Injury Occurred:

Direccion donde ocorrio la Herida:

Location Where Injury Occurred: *(Docks, Stairs, etc.)*

Ubicacion donde ocurrio la Herida:

Describe in your own words how and why the injury occurred: *Describa consus propias palabias como y Porque la herida ocurrio*	
Type of Injury *(Cut, Sprain, etc.)*: *Tipo de Herida*	
Part(s) of Body Injured: *Partes Heridas del cuerpo*	
List Name(s) of any Witnesses: *Nombre de los Testigos*	

Employee Signature
Firma del Empleado

Date of Signature
Fecha de la Firma

NorthStar

Witness Statement

Name:	**Phone:**
Address:	**Employer**
Date of Incident:	**Time Incident Occurred**
Address where incident occurred:	
Location Where Incident Occurred (i.e. Docks, Stairs):	
Describe in your own words how the incident occurred:	

Witness Signature	**Date of Signature**

NorthStar

Employee Work Accident Release Form

Branch Location:	
Date of Incident:	**Time Incident Occurred**
Employee Name:	**Social Security #:**
Supervisor:	**Project location:**
Nature of Injury, Body Part Affected:	

The undersigned employee has been involved in an accident during the course of employment and has been requested by his/her employer to report to the company medical provider for examination and treatment of any work related injury arising from the accident. The undersigned employee has chosen to **refuse to report for a medical examination and medical treatment**. The refusal is because the undersigned has not sustained any injury from the accident. In consideration of the foregoing, the undersigned employee hereby releases forever his/her employer, NorthStar Group Services and all of its affiliates, from all claims and liability arising from the accident which occurred in the course of his/her employment as indicated below.

Employee Signature	**Date of Signature**
Witness Signature	**Date of Signature**

Other Property Damage:

NorthStar

Auto Accident Report

NORTHSTAR VEHICLE INFORMATION

Vehicle #:	Year:	Make:	Model:	VIN #:

Plate #/State:	Drivable	Towed	If Towed, Where?

Did the accident occur on a jobsite? Yes No	If Yes, Job No:	Job Name:

NGS Owned	Leased	NGS Branch or Leasing Co.:

Vehicle Damage:

NORTHSTAR DRIVER INFORMATION

Driver Name:	DOB:	Branch Employed:

Address:	Phone:	License #/State

Injuries? Yes No | If Yes, List Injuries:

Treatment Facility:

THIRD PARTY INFORMATION

Driver Name:	Phone:	License #/State:

Address:	Vehicle:	Plate:

Insurance Co.:	Policy #:	Phone:

Vehicle Owner:	Address:	Phone:

Vehicle Damages: | If Towed, Where?

Injuries? Yes No | If Yes, List Injuries:

Treatment Facility:

PASSENGER INFORMATION

NGS Passenger:	Address:	Phone:

Injuries:

Other Party:	Address:	Phone:

Injuries:

Other Party:	Address:	Phone:

Injuries:

INCIDENT INFORMATION

Date of Incident:	Time of Incident:
Date Reported to NGS:	Time Reported to NGS:
Witness Name (1):	Witness Phone:
Witness Name (2):	Witness Phone:
Authorities Contacted: Police Fire Ambulance	Agency Name:
Agency Address:	

NorthStar

Auto Accident Report

Phone:		**Report #:**	
Description of Incident:			
Phone:		**Report #:**	
Location of Incident:	**City:**	**County:**	**State:**
On: *Street or Highway*		**At:** *Intersection*	
Describe any condition or activity that may have contributed to the incident:			
Other Property Damage:			

REPORT REVIEW

Investigated By:	**Print Name:**	**Date:**
Reviewed By:	**Print Name:**	**Date:**

NorthStar

General Liability Loss Notice

PROJECT INFORMATION

Branch Location:	**VP CO#:**	**Project #:**	**Report Date:**
Project Name:	**Job Address:**		
Project Manager:	**Supervisor:**		
General Contractor:	**GC Contact:**	**Phone:**	
Property Owner:	**Owner Contact:**	**Phone:**	
NGS Contracted With:			
NGS Sub-Contractors:			

BODILY INJURY

Name of Injured:	**DOB:**	**Phone:**
Address:	**Estimated Cost:**	
Employer:	**Employer Address:**	
Description of Injury:	**Medical Facility:**	

PROPERTY DAMAGE

Property Owner:	**Owner Contact:**	**Phone:**
Address:	**Estimated Cost:**	
Description of Property:	**Property Damage:**	
Is NGS Contracted with Injured Employer? **Yes** **No**	**If Yes, Please Explain:**	

INCIDENT INFORMATION

Date of Incident:		**Time of Incident:**	
Date Reported to NGS:		**Time Reported to NGS:**	
Witness Name (1):		**Witness Phone:**	
Witness Name (2):		**Witness Phone:**	
Authorities Contacted: **Police** **Fire** **Ambulance**		**Agency Name:**	
Agency Address:			
Phone:	**Report #:**		
Description of Incident:			
Phone:	**Report #:**		
Location of Incident: **City:**	**County:**	**State:**	

NorthStar

General Liability Loss Notice

On: *Street or Highway Name*	**At:** *Intersection*
Describe any condition or activity that may have contributed to the incident:	
List any other parties involved:	

PROVIDE THE FOLLOWING DOCUMENTS:

NorthStar contracts with all parties involved and related Certificates of Insurance.

Forward Copies to: Corporate Safety Office, Regional Safety Manager, Branch Safety, Branch Manager/Company President

REPORT REVIEW		
Investigated By:	**Print Name:**	**Date:**
Reviewed By:	**Print Name:**	**Date:**

NorthStar

Daily Safety Meeting

Date:	11/18/20	Job Name:	US 27 at SR 70

1. **Work to be completed:** Direct push Soil Borings / Sampling, Well installed
2. **Hazards associated with this work:** Buried utilities, Traffic, overhead Falling Into
3. **Hazard control measures to be implemented:** struck by, Pinch Points
   Proper PPE

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment:	Level D+
Chemical Hazards:	Petro
Physical Hazards:	Slips and fall, Struck by Strains
Emergency Procedures:	911 System contact Supervisor

ATTENDEES

Print Name:	Signature:	Date:
Joshua Maynard		11/18/20
Josue Camarillo		11/18/20
Geoff Fields		11/18/20

Meeting Conducted by

Print Name:	Signature:	Date:
Greg Garrison		11/18/20

NorthStar

Daily Safety Meeting

Date:	Job Name:

1. Work to be completed:
2. Hazards associated with this work:
3. Hazard control measures to be implemented:

SAFETY TOPICS PRESENTED
Protective Clothing/Equipment:
Chemical Hazards:
Physical Hazards:
Emergency Procedures:

ATTENDEES		
Print Name:	Signature:	Date:

Meeting Conducted by		
Print Name:	Signature:	Date:

NorthStar

Daily Safety Meeting

Date:	Job Name:

1. Work to be completed:
2. Hazards associated with this work:
3. Hazard control measures to be implemented:

SAFETY TOPICS PRESENTED
Protective Clothing/Equipment:
Chemical Hazards:
Physical Hazards:
Emergency Procedures:

ATTENDEES		
Print Name:	Signature:	Date:

Meeting Conducted by		
Print Name:	Signature:	Date:

Job Name:_____ **TOOL BOX SAFETY MEETING** _____

Job Number:_____ Date of Training

CORONAVIRUS (COVID-19)

While the immediate risk of the Coronavirus Virus (COVID-19) to the American public seems to be low, we all can take precautionary steps, while at home or at work, to help contain this emerging public health threat:

How It Spreads

The virus spreads mainly from person-to-person contact between people who are in close contact with one another (within about 6 feet). Via respiratory droplets produced when an infected person coughs or sneezes. It may be possible to get COVID-19 by touching a surface or object that has the virus on it and then touching his or her own mouth, nose, or possibly their eyes.

Symptoms

For confirmed Coronavirus (COVID-19) cases, reported illnesses have ranged from mild symptoms to severe illness and death. Symptoms can include Fever, Cough and Shortness of breath.

Prevention

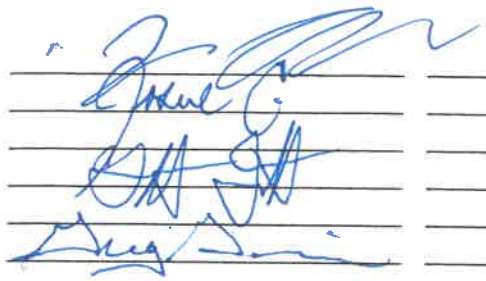
There is currently no vaccine to prevent coronavirus disease 2019 (COVID-19). The best way to prevent illness is to avoid being exposed to this virus. The Center for Disease Control (CDC) recommends everyday preventive actions, including:

- Avoid close contact with people who show signs of symptoms. .
- Avoid touching your eyes, nose, and mouth.
- Stay home when you are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash.
- Clean and disinfect frequently touched objects and surfaces using a regular household cleaning spray or wipe.
- Follow CDC's recommendations for using a facemask.
    - CDC does not recommend that people who are well wear a facemask to protect themselves from respiratory diseases, including COVID-19.
    - Facemasks should be used by people who show symptoms to help prevent the spread of the disease to others. However, the use of facemasks is also crucial for health workers and people who are taking care of someone in close settings (at home or in a health care facility).
- Wash your hands often with soap and water for at least 20 seconds, especially after going to the bathroom; before eating; and after blowing your nose, coughing, or sneezing.
    - If soap and water are not readily available, use an alcohol-based hand sanitizer with at least 60% alcohol. Always wash hands with soap and water if hands are visibly dirty.

COMMENTS:

No on site personal has symptoms

EMPLOYEE SIGNATURES SIGNIFYING ATTENDANCE:



APPENDIX C
LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY RECORDS

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

November 25, 2020

Phil Glover
Northstar
2760 S. Falkenburg Road
Riverview, FL 33578

RE: LOG# 2071033
Project ID: US27 SR 70 4020342
COC# 2071033

Dear Phil Glover:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, November 20, 2020. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Heyman for
Kacia Baldwin
kaciab@jupiterlabs.com

NELAP Accredited
FDOH# E86546
CERTIFICATE OF ANALYSIS
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Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE ANALYTE COUNT

Workorder: 2071033

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	Method	Analytes Reported
2071033002	Site 2 SB-2	EPA 8260C	10
		EPA 8310 List by 8270C SIM (S)	21
		SM 2540G	1

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SAMPLE SUMMARY

Workorder: 2071033

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2071033001	Site 2 SB-1	Soil/Solid	11/18/2020 12:00	11/20/2020 06:00
2071033002	Site 2 SB-2	Soil/Solid	11/18/2020 13:25	11/20/2020 06:00
2071033003	Site 2 SB-3	Soil/Solid	11/18/2020 14:10	11/20/2020 06:00
2071033004	Site 2 SB-4	Soil/Solid	11/18/2020 16:25	11/20/2020 06:00

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ANALYTICAL RESULTS

Workorder: 2071033

Project ID: US27 SR 70 4020342

Lab ID: **2071033002** Date Received: 11/20/2020 06:00 Matrix: Soil/Solid

Sample ID: **Site 2 SB-2** Date Collected: 11/18/2020 13:25

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: PAH List by 8270C SIM (S)					Preparation Method: EPA 3545 Analytical Method: EPA 8310 List by 8270C SIM (S)					
1-Methylnaphthalene	U	mg/Kg	0.554	0.138	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
2-Methylnaphthalene	U	mg/Kg	0.554	0.138	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Acenaphthene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Acenaphthylene	0.281	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Anthracene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Benzo(a)anthracene	U	mg/Kg	0.166	0.042	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Benzo(a)pyrene	U	mg/Kg	0.166	0.025	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Benzo(b)fluoranthene	U	mg/Kg	0.166	0.036	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Benzo(g,h,i)perylene	U	mg/Kg	0.166	0.042	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Benzo(k)fluoranthene	U	mg/Kg	0.166	0.042	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Chrysene	U	mg/Kg	0.166	0.042	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Dibenzo(a,h)anthracene	0.017i	mg/Kg	0.166	0.00996	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Fluoranthene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Fluorene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Indeno(1,2,3-cd)pyrene	U	mg/Kg	0.166	0.042	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Naphthalene	U	mg/Kg	0.554	0.138	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Phenanthrene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Pyrene	U	mg/Kg	0.277	0.069	1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Nitrobenzene-d5 (S)	78	%	20-150		1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
2-Fluorobiphenyl (S)	82	%	30-150		1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
p-Terphenyl-d14 (S)	96	%	15-150		1	11/23/2020 16:55	EE	11/24/2020 18:02	EE	
Volatiles by GC/MS										
Analysis Desc: BTEX/MTBE by 8260C (S)					Preparation Method: EPA 5035 Analytical Method: EPA 8260C					
Benzene	U	mg/Kg	0.00158	0.000363	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Ethylbenzene	U	mg/Kg	0.00158	0.000260	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Toluene	U	mg/Kg	0.00158	0.000315	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Dibromofluoromethane (S)	103	%	60-135		1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Xylenes- Total	U	mg/Kg	0.00158	0.000781	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Toluene d8 (S)	112	%	60-135		1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
m & p-xylene	U	mg/Kg	0.00158	0.000505	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
4-Bromofluorobenzene (S)	115	%	60-135		1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
o-Xylene	U	mg/Kg	0.00158	0.000276	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.00237	0.000875	1	11/23/2020 08:30	MK	11/23/2020 17:16	MK	
Wet Chemistry										

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ANALYTICAL RESULTS

Workorder: 2071033
Project ID: US27 SR 70 4020342

Lab ID: **2071033002** Date Received: 11/20/2020 06:00 Matrix: Soil/Solid
Sample ID: **Site 2 SB-2** Date Collected: 11/18/2020 13:25

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	89.2	%	0.1		1			11/23/2020 11:59	CR	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 2071033

Project ID: US27 SR 70 4020342

PARAMETER QUALIFIERS

PROJECT COMMENTS

2071033	A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

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QUALITY CONTROL DATA

Workorder: 2071033

Project ID: US27 SR 70 4020342

QC Batch: XXX/14286 Analysis Method: EPA 8310 List by 8270C SIM (S)

QC Batch Method: EPA 3545

Associated Lab Samples: 2071033002

METHOD BLANK: 211505

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by EPA 8270C				
Nitrobenzene-d5 (S)	%	63	20-150	
2-Fluorobiphenyl (S)	%	72	30-150	
p-Terphenyl-d14 (S)	%	83	15-150	
Naphthalene	mg/Kg	U	0.100	
2-Methylnaphthalene	mg/Kg	U	0.100	
1-Methylnaphthalene	mg/Kg	U	0.100	
Acenaphthylene	mg/Kg	U	0.050	
Acenaphthene	mg/Kg	U	0.050	
Fluorene	mg/Kg	U	0.050	
Phenanthrene	mg/Kg	U	0.050	
Anthracene	mg/Kg	U	0.050	
Fluoranthene	mg/Kg	U	0.050	
Pyrene	mg/Kg	U	0.050	
Benzo(a)anthracene	mg/Kg	U	0.030	
Chrysene	mg/Kg	U	0.030	
Benzo(b)fluoranthene	mg/Kg	U	0.026	
Benzo(k)fluoranthene	mg/Kg	U	0.030	
Benzo(a)pyrene	mg/Kg	U	0.018	
Dibenzo(a,h)anthracene	mg/Kg	U	0.00720	
Indeno(1,2,3-cd)pyrene	mg/Kg	U	0.030	
Benzo(g,h,i)perylene	mg/Kg	U	0.030	

LABORATORY CONTROL SAMPLE & LCSD: 211506 211507

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C										
Nitrobenzene-d5 (S)	%				71	74	20-150	4	40	
2-Fluorobiphenyl (S)	%				79	79	30-150	0.6	40	
p-Terphenyl-d14 (S)	%				81	82	15-150	2	40	
Naphthalene	mg/Kg	2	1.64	1.68	82	84	40-150	2	40	
2-Methylnaphthalene	mg/Kg	2	1.60	1.53	80	76	40-150	4	40	
1-Methylnaphthalene	mg/Kg	1.99	1.84	1.78	92	89	40-150	3	40	
Acenaphthylene	mg/Kg	1.97	1.40	1.49	71	76	40-150	6	40	
Acenaphthene	mg/Kg	2	1.77	1.69	88	84	35-150	5	40	
Fluorene	mg/Kg	1.96	1.61	1.54	82	78	40-150	4	40	

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QUALITY CONTROL DATA

Workorder: 2071033

Project ID: US27 SR 70 4020342

LABORATORY CONTROL SAMPLE & LCSD: 211506 211507

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Phenanthrene	mg/Kg	2	1.74	1.79	87	89	40-150	3	40	
Anthracene	mg/Kg	2	1.56	1.68	78	84	40-150	7	40	
Fluoranthene	mg/Kg	1.97	1.38	1.46	70	74	40-150	6	40	
Pyrene	mg/Kg	1.97	1.65	1.64	84	83	40-150	0.6	40	
Benzo(a)anthracene	mg/Kg	2	1.35	1.36	68	68	40-150	0.7	40	
Chrysene	mg/Kg	2	1.58	1.60	79	80	40-150	1	40	
Benzo(b)fluoranthene	mg/Kg	2	1.69	1.57	85	78	40-150	7	40	
Benzo(k)fluoranthene	mg/Kg	2	1.63	1.76	82	88	40-150	8	40	
Benzo(a)pyrene	mg/Kg	2	1.56	1.62	78	81	40-150	4	40	
Dibenzo(a,h)anthracene	mg/Kg	1.99	1.47	1.48	74	75	40-150	0.7	40	
Indeno(1,2,3-cd)pyrene	mg/Kg	2	1.37	1.24	69	62	40-150	10	40	
Benzo(g,h,i)perylene	mg/Kg	2	1.44	1.47	72	73	40-150	2	40	

MATRIX SPIKE SAMPLE: 211508 Original: 2071033002

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Semivolatiles by EPA 8270C							
Nitrobenzene-d5 (S)	%				79	20-150	
2-Fluorobiphenyl (S)	%				81	30-150	
p-Terphenyl-d14 (S)	%				85	15-150	
Naphthalene	mg/Kg	0	2.38	2.13	89	40-150	
2-Methylnaphthalene	mg/Kg	0	2.38	1.92	81	40-150	
1-Methylnaphthalene	mg/Kg	0	2.37	2.26	95	40-150	
Acenaphthylene	mg/Kg	0.251	2.34	1.86	69	40-150	
Acenaphthene	mg/Kg	0.00542	2.38	2.11	88	35-150	
Fluorene	mg/Kg	0	2.34	1.9	81	40-150	
Phenanthrene	mg/Kg	0.00321	2.38	2.2	92	40-150	
Anthracene	mg/Kg	0.00606	2.38	2.04	85	40-150	
Fluoranthene	mg/Kg	0.00513	2.35	1.79	76	40-150	
Pyrene	mg/Kg	0.02	2.34	2.08	88	40-150	
Benzo(a)anthracene	mg/Kg	0	2.38	1.69	71	40-150	
Chrysene	mg/Kg	0.00806	2.38	2.01	84	40-150	
Benzo(b)fluoranthene	mg/Kg	0.017	2.38	2	83	40-150	
Benzo(k)fluoranthene	mg/Kg	0.00782	2.38	2.08	87	40-150	
Benzo(a)pyrene	mg/Kg	0.012	2.38	2.03	85	40-150	
Dibenzo(a,h)anthracene	mg/Kg	0.015	2.36	1.81	76	40-150	
Indeno(1,2,3-cd)pyrene	mg/Kg	0.021	2.38	1.55	64	40-150	
Benzo(g,h,i)perylene	mg/Kg	0.022	2.38	1.79	74	40-150	

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QUALITY CONTROL DATA

Workorder: 2071033

Project ID: US27 SR 70 4020342

SAMPLE DUPLICATE: 211509 Original: 2071052001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C						
Nitrobenzene-d5 (S)	%	2050		22	40	
2-Fluorobiphenyl (S)	%	2180		21	40	
p-Terphenyl-d14 (S)	%	2730		22	40	
Naphthalene	mg/Kg	0	U	0	40	
2-Methylnaphthalene	mg/Kg	0	U	0	40	
1-Methylnaphthalene	mg/Kg	0	U	0	40	
Acenaphthylene	mg/Kg	0.248	0.275	4	40	
Acenaphthene	mg/Kg	0	U	0	40	
Fluorene	mg/Kg	0	U	0	40	
Phenanthrene	mg/Kg	0	U	0	40	
Anthracene	mg/Kg	0.0026	U	37	40	
Fluoranthene	mg/Kg	0.0032	U	49	40	
Pyrene	mg/Kg	0.00293	U	121	40	
Benzo(a)anthracene	mg/Kg	0	U	0	40	
Chrysene	mg/Kg	0.00287	U	96	40	
Benzo(b)fluoranthene	mg/Kg	0.00744	U	88	40	P1
Benzo(k)fluoranthene	mg/Kg	0.00374	U	97	40	
Benzo(a)pyrene	mg/Kg	0.00569	U	107	40	P1
Dibenzo(a,h)anthracene	mg/Kg	0.0042	U	32	40	
Indeno(1,2,3-cd)pyrene	mg/Kg	0.00786	U	89	40	P1
Benzo(g,h,i)perylene	mg/Kg	0.00916	U	87	40	P1

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QUALITY CONTROL DATA

Workorder: 2071033

Project ID: US27 SR 70 4020342

QC Batch: VXX/9991 Analysis Method: EPA 8260C

QC Batch Method: EPA 5035

Associated Lab Samples: 2070979001 2071033002

METHOD BLANK: 211510

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Volatiles by GC/MS				
Dibromofluoromethane (S)	%	99	60-135	
Toluene d8 (S)	%	109	60-135	
4-Bromofluorobenzene (S)	%	119	60-135	
tert-Butyl methyl ether (MTBE)	mg/Kg	U	0.00111	
Benzene	mg/Kg	U	0.000460	
Toluene	mg/Kg	U	0.000400	
Ethylbenzene	mg/Kg	U	0.000330	
m & p-xylene	mg/Kg	U	0.000640	
o-Xylene	mg/Kg	U	0.000350	
Xylenes- Total	mg/Kg	U	0.000990	

LABORATORY CONTROL SAMPLE & LCSD: 211511 211512

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				99	101	60-135	2	30	
Toluene d8 (S)	%				113	113	60-135	0.4	30	
4-Bromofluorobenzene (S)	%				123	122	60-135	0	30	
tert-Butyl methyl ether (MTBE)	mg/Kg	0.05	0.063	0.062	126	124	60-135	2	30	
Benzene	mg/Kg	0.05	0.051	0.055	103	111	60-135	8	30	
Toluene	mg/Kg	0.05	0.040	0.043	80	86	60-135	7	30	
Ethylbenzene	mg/Kg	0.05	0.046	0.050	93	101	60-135	8	30	
m & p-xylene	mg/Kg	0.1	0.089	0.098	89	98	60-135	10	30	
o-Xylene	mg/Kg	0.05	0.042	0.047	86	95	60-135	11	30	
Xylenes- Total	mg/Kg	0.149	0.131	0.145	88	97	60-135	10	30	

LABORATORY CONTROL SAMPLE & LCSD: 211513 211514

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Dibromofluoromethane (S)	%				97	97	60-135	0	30	
Toluene d8 (S)	%				107	108	60-135	0.9	30	
4-Bromofluorobenzene (S)	%				119	124	60-135	4	30	

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QUALITY CONTROL DATA

Workorder: 2071033

Project ID: US27 SR 70 4020342

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QUALITY CONTROL DATA QUALIFIERS

Workorder: 2071033

Project ID: US27 SR 70 4020342

QUALITY CONTROL PARAMETER QUALIFIERS

P1 RPD value not applicable for sample concentrations less than 5 times the PQL.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2071033

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2071033002	**Site 2 SB-2**	SM 2540G	WGR/4708		
2071033002	**Site 2 SB-2**	EPA 3545	XXX/14286	EPA 8310 List by 8270C SIM (S)	XMS/7430
2071033002	**Site 2 SB-2**	EPA 5035	VXX/9991	EPA 8260C	VMS/9795

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J.E.L. Log # 207033
P.O. # _____
Quote # _____

Company Name Northstar
Address 2760 S Falkenburg Road
City Riverview State FL Zip 33578
Sampling Site Address
Attn: Phil Glover Email
Project Name US27 SR70 Project # 4020342
Sampler Name/Signature Geoff Fowler

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters: 8260 BTEX+MTBE	Parameters: 8270 PAH	Field Filtered (Y/N)
1	Site 2 SB-1	11/18/20	1200	S	4		H	H	
2	Site 2 SB-2	11/18/20	1325	S	4		✓	✓	
3	Site 2 SB-3	11/18/20	1410	S	4		H	H	
4	Site 2 SB-4	11/18/20	1625	S	4		H	H	
5									
6									
7									
8									
9									
10									

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
___ Standard
✓ Expedited
72 Hour
Due ___/___/___

Comments
1 Hold ~~Standard~~ GG
2 72 Hour
3 Hold ~~Standard~~ GG
4 Hold

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Phil L. Glover	11/19/20	900	Phil L. Glover	11-19-20	0900
Phil L. Glover	11-19-20	1950	Paul F	11/19/20	1050
Paul F	11/19/20	1900	F-Ex	11/19/20	1900
F-Ex	11/20/20	0600	[illegible]	11/20/20	0600

QA/QC level with report
None ___1___2___3___ See price guide for applicable fees

FDEP Dry Cleaning ❑ FDEP UST Pre-Approval ❑
SFWMD ❑ ADaPT ❑ DOT ❑

Temp Control: 1.8 °C

Page _____ of _____

207033

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2071033	**Profile:**	2621
Client:	Northstar	**Project:**	Phil Glover
Level:	1	**Date Rec'd:**	11/20/2020 6:00:00 AM
Rec'd via:	courier		

Cooler Check

ID	Temp	# of samples	Security Tape Present	Security Tape Intact	Method of Receipt	Comments
	1.8	4	☐	☐		

Checked By: MD

Sample Verification

Loose Caps?	No	**All Samples on COC accounted For?**	Yes
Broken Containers?	No	**All Samples on COC?**	Yes
pH Verified?	No	**Written on Internal COC?**	No
pH Strip Lot #		**Sample Vol. Suff. For Analysis?**	Yes
Acid Preserved Samples Lot #		**Samples Rec'd W/I Hold Time?**	Yes
Base Preserved Samples Lot #		**Are All Samples to be Analyzed?**	No
Samples Received From	courier	**Correct Sample Containers?**	Yes
Soil Origin (Domestic/Foreign	Domestic	**COC Comments written on COC?**	Yes
Site Location/Project on COC?	Yes	**Samplers Initials on COC?**	Yes
Client Project # on COC?	Yes	**Sample Date/Time Indicated?**	Yes
Project Mgr. Indicated on COC	Yes	**TAT Requested:**	RUSH
COC relinquished/Dated by Client?	Yes	**Client Requests Verbal Results?**	No
COC Received/Dated by JEL	Yes	**Client Notified of discrepancies?**	No
JEL to Conduct ALL Analyses?	Yes	**Do VOC vials have headspace or a bubble <6mm (1/4")?**	N/A
Number of Encores	0	**Number of Lab Filtered Metals**	0

Subcontract Analysis

Parameter	Via	Lab Name	Comments

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

December 1, 2020

Phil Glover
Northstar
2760 S. Falkenburg Road
Riverview, FL 33578

RE: LOG# 2071034
Project ID: US27 SR 70 4020342
COC# 2071034

Dear Phil Glover:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, November 20, 2020. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Heyman for
Kacia Baldwin
kaciab@jupiterlabs.com

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CASE NARRATIVE

Jupiter Environmental Laboratories Inc. Lab Reference No./SDG: 2071034

Client: Northstar

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. METHODS

Samples were analyzed according to JEL's Standard Operating Procedures for following Method(s):
EPA 8260C, EPA 8270/PAH SIM

III. Analysis

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Jupiter Environmental Laboratories, Inc., both technically and for completeness, for other than the conditions detailed in the SDG Narrative. Release of the data contained in this hardcopy data package and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

SIGNED: DATE: 12/1/20



John Heyman for
Kacia Baldwin
V.P. of Operations

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE ANALYTE COUNT

Workorder: 2071034

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	Method	Analytes Reported
2071034001	Site 2 TMW-2	EPA 8260C	10
		EPA 8270/PAH SIM	21

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SAMPLE SUMMARY

Workorder: 2071034

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2071034001	Site 2 TMW-2	Aqueous Liquid	11/18/2020 16:11	11/20/2020 06:00

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ANALYTICAL RESULTS

Workorder: 2071034
Project ID: US27 SR 70 4020342

Lab ID: **2071034001** Date Received: 11/20/2020 06:00 Matrix: Aqueous Liquid
Sample ID: **Site 2 TMW-2** Date Collected: 11/18/2020 16:11

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Volatiles by GC/MS										
Analysis Desc: BTEX/MTBE by 8260C (W)					Preparation Method: EPA 5030B Analytical Method: EPA 8260C					
Benzene	U	ug/L	1.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Ethylbenzene	U	ug/L	1.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Toluene	U	ug/L	1.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Xylenes- Total	U	ug/L	3.00	0.800	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
m & p-xylene	U	ug/L	2.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
o-Xylene	U	ug/L	1.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.400	1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Dibromofluoromethane (S)	93	%	70-130		1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Toluene d8 (S)	93	%	70-130		1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
4-Bromofluorobenzene (S)	80	%	70-130		1	11/23/2020 11:00	MK	11/24/2020 04:31	MK	
Semivolatiles by EPA 8270C										
Analysis Desc: PAH List by 8270C SIM (W)					Preparation Method: EPA 3510C SIM Analytical Method: EPA 8270/PAH SIM					
1-Methylnaphthalene	U	ug/L	0.100	0.050	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
2-Methylnaphthalene	U	ug/L	0.100	0.050	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Acenaphthene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Acenaphthylene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Anthracene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Benzo(a)anthracene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Benzo(a)pyrene	U	ug/L	0.050	0.015	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Benzo(b)fluoranthene	U	ug/L	0.050	0.015	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Benzo(g,h,i)perylene	U	ug/L	0.050	0.015	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Benzo(k)fluoranthene	U	ug/L	0.050	0.015	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Chrysene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Dibenzo(a,h)anthracene	U	ug/L	0.050	0.0050	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Fluoranthene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Fluorene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Indeno(1,2,3-cd)pyrene	U	ug/L	0.050	0.015	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Naphthalene	U	ug/L	0.100	0.050	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Phenanthrene	U	ug/L	0.100	0.050	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Pyrene	U	ug/L	0.050	0.025	1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
Nitrobenzene-d5 (S)	77	%	30-110		1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
2-Fluorobiphenyl (S)	69	%	30-110		1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	
p-Terphenyl-d14 (S)	75	%	30-140		1	11/20/2020 10:37	MAK	11/20/2020 17:26	EE	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 2071034

Project ID: US27 SR 70 4020342

PARAMETER QUALIFIERS

PROJECT COMMENTS

2071034	A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

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QUALITY CONTROL DATA

Workorder: 2071034

Project ID: US27 SR 70 4020342

QC Batch: XXX/14271 Analysis Method: EPA 8270/PAH SIM

QC Batch Method: EPA 3510C SIM

Associated Lab Samples: 2071023001 2071023002 2071023003 2071023004 2071023005 2071025001 2071025002 2071025003 2071025004 2071025005 2071025006 2071034001 2071035001

METHOD BLANK: 211277

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by EPA 8270C				
Nitrobenzene-d5 (S)	%	63	30-110	
2-Fluorobiphenyl (S)	%	60	30-110	
p-Terphenyl-d14 (S)	%	60	30-140	
Naphthalene	ug/L	U	0.050	
2-Methylnaphthalene	ug/L	U	0.050	
1-Methylnaphthalene	ug/L	U	0.050	
Acenaphthylene	ug/L	U	0.025	
Acenaphthene	ug/L	U	0.025	
Fluorene	ug/L	U	0.025	
Phenanthrene	ug/L	U	0.050	
Anthracene	ug/L	U	0.025	
Fluoranthene	ug/L	U	0.025	
Pyrene	ug/L	U	0.025	
Benzo(a)anthracene	ug/L	U	0.025	
Chrysene	ug/L	U	0.025	
Benzo(b)fluoranthene	ug/L	U	0.015	
Benzo(k)fluoranthene	ug/L	U	0.015	
Benzo(a)pyrene	ug/L	U	0.015	
Dibenzo(a,h)anthracene	ug/L	U	0.00500	
Indeno(1,2,3-cd)pyrene	ug/L	U	0.015	
Benzo(g,h,i)perylene	ug/L	U	0.015	

LABORATORY CONTROL SAMPLE & LCSD: 211278 211279

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C										
Nitrobenzene-d5 (S)	%				68	71	30-110	4	40	
2-Fluorobiphenyl (S)	%				64	69	30-110	8	40	
p-Terphenyl-d14 (S)	%				61	61	30-140	0.2	40	
Naphthalene	ug/L	0.801	0.491	0.511	61	64	30-140	4	40	
2-Methylnaphthalene	ug/L	0.801	0.451	0.473	56	59	30-140	5	40	
1-Methylnaphthalene	ug/L	0.798	0.508	0.545	64	68	30-140	7	40	
Acenaphthylene	ug/L	0.788	0.795	0.833	101	106	30-120	5	40	

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QUALITY CONTROL DATA

Workorder: 2071034

Project ID: US27 SR 70 4020342

LABORATORY CONTROL SAMPLE & LCSD: 211278 211279

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	0.8	0.508	0.549	63	69	30-120	8	40	
Fluorene	ug/L	0.785	0.461	0.513	59	65	30-140	11	40	
Phenanthrene	ug/L	0.8	0.520	0.527	65	66	30-120	1	40	
Anthracene	ug/L	0.801	0.478	0.507	60	63	30-140	6	40	
Fluoranthene	ug/L	0.79	0.398	0.431	50	55	30-120	8	40	
Pyrene	ug/L	0.786	0.503	0.517	64	66	40-140	3	40	
Benzo(a)anthracene	ug/L	0.8	0.452	0.474	56	59	30-120	5	40	
Chrysene	ug/L	0.8	0.472	0.477	59	60	30-140	1	40	
Benzo(b)fluoranthene	ug/L	0.801	0.487	0.483	61	60	30-140	0.8	40	
Benzo(k)fluoranthene	ug/L	0.8	0.401	0.423	50	53	30-140	5	40	
Benzo(a)pyrene	ug/L	0.8	0.445	0.462	56	58	30-140	4	40	
Dibenzo(a,h)anthracene	ug/L	0.794	0.443	0.486	56	61	30-140	9	40	
Indeno(1,2,3-cd)pyrene	ug/L	0.8	0.461	0.495	58	62	30-140	7	40	
Benzo(g,h,i)perylene	ug/L	0.8	0.490	0.503	61	63	30-120	3	40	

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QUALITY CONTROL DATA

Workorder: 2071034

Project ID: US27 SR 70 4020342

QC Batch: VXX/9994 Analysis Method: EPA 8260C

QC Batch Method: EPA 5030B

Associated Lab Samples: 2070993003, 2070993004, 2071013001, 2071013002, 2071034001, 2071042001, 2071042002, 2071042003, 2071042004, 2071042005, 2071042006, 2071042007

METHOD BLANK: 211633

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Volatiles by GC/MS				
Dibromofluoromethane (S)	%	96	70-130	
Toluene d8 (S)	%	95	70-130	
4-Bromofluorobenzene (S)	%	81	70-130	
tert-Butyl methyl ether (MTBE)	ug/L	U	0.400	
Benzene	ug/L	U	0.400	
Toluene	ug/L	U	0.400	
Ethylbenzene	ug/L	U	0.400	
m & p-xylene	ug/L	U	0.400	
o-Xylene	ug/L	U	0.400	
Xylenes- Total	ug/L	U	0.800	

LABORATORY CONTROL SAMPLE & LCSD: 211634 211635

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				97	97	70-130	0.3	25	
Toluene d8 (S)	%				95	94	70-130	0.3	25	
4-Bromofluorobenzene (S)	%				92	92	70-130	0.3	25	
tert-Butyl methyl ether (MTBE)	ug/L	50.1	41.5	41.7	83	83	70-130	0.5	25	
Benzene	ug/L	49.7	41.4	39.4	83	79	70-130	5	25	
Toluene	ug/L	49.8	45.2	46.4	91	93	70-130	3	25	
Ethylbenzene	ug/L	49.5	43.4	44.9	88	91	70-130	3	25	
m & p-xylene	ug/L	100	101	104	101	104	70-130	3	25	
o-Xylene	ug/L	49.5	49.1	51.3	99	104	70-130	4	25	
Xylenes- Total	ug/L	149	150	155	100	104	70-130	3	25	

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QUALITY CONTROL DATA

Workorder: 2071034

Project ID: US27 SR 70 4020342

SAMPLE DUPLICATE: 211636 Original: 2070993003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Volatiles by GC/MS						
Dibromofluoromethane (S)	%	38.3		0.3	25	
Toluene d8 (S)	%	37.5		1	25	
4-Bromofluorobenzene (S)	%	31.7		2	25	
tert-Butyl methyl ether (MTBE)	ug/L	0	U	0	25	
Benzene	ug/L	0	U	0	25	
Toluene	ug/L	0	U	0	25	
Ethylbenzene	ug/L	0	U	0	25	
m & p-xylene	ug/L	0	U	0	25	
o-Xylene	ug/L	0	U	0	25	
Xylenes- Total	ug/L	0	U	0	25	

SAMPLE DUPLICATE: 211637 Original: 2071044001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Volatiles by GC/MS						
Dibromofluoromethane (S)	%	36.8		0.3	25	
Toluene d8 (S)	%	38.6		4	25	
4-Bromofluorobenzene (S)	%	35.8		0.3	25	
tert-Butyl methyl ether (MTBE)	ug/L	0	U	0	25	
Benzene	ug/L	4.27	4.09	4	25	
Toluene	ug/L	13.1	12.9	2	25	
Ethylbenzene	ug/L	17.5	17.1	2	25	
m & p-xylene	ug/L	18.2	17.4	4	25	
o-Xylene	ug/L	1.81	1.77	2	25	
Xylenes- Total	ug/L	20	19.2	4	25	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2071034

Project ID: US27 SR 70 4020342

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2071034001	**Site 2 TMW-2**	EPA 3510C SIM	XXX/14271	EPA 8270/PAH SIM	XMS/7423
2071034001	**Site 2 TMW-2**	EPA 5030B	VXX/9994	EPA 8260C	VMS/9798

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J.E.L. Log # 207634
P.O. # _____
Quote # _____

Company Name NorthStar
Address 2760 S Falkenburg Road
City Riverview State FL Zip 33578
Sampling Site Address
Attn: Phil Glover Email
Project Name US27 SR70 Project # 4020342
Sampler Name/Signature Geoff Furlotte

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Pres Codes	Parameters: 8260 BTEX+MTBE	Parameters: 8270 PAH	Field Filtered (Y/N)	Comments
1	Site 2 TMW-2	11/18/20	1611	GW	4		✓	✓		
2										
3										
4										
5										
6										
7										
8										
9										
10										

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due ___/___/___

Matrix Codes*
S Soil/Solid Sediment SW Surface Water
GW Ground Water SL Sludge
WW Waste Water O Other (Please Specify)
DW Drinking Water

Pres Codes
A- none I- Ice
B- HNO_3 O- Other
C- H_2SO_4 M- MeOH
D- NaOH N- $Na_2S_2O_3$
E- HCl Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Phil Glover	11/19/20	900	Phil Glover	11-19-20	0900
Phil Glover	11-19-20	1050	Paul P	11/19/20	1050
Paul P	11/19/20	1900	Fed Ex	11/19/20	1900
Fed Ex	11/20/20	0600	[illegible]	11/20/20	0600

QA/QC level with report
None ___1___2___3___ See price guide for applicable fees

FDEP Dry Cleaning ❑ FDEP UST Pre-Approval ❑
SFWMD ❑ ADaPT ❑ DOT ❑

Temp Control: 1.8 °C

207034

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2071034	Profile:	2621
Client:	Northstar	Project:	Phil Glover
Level:	1	Date Rec'd:	11/20/2020 6:00:00 AM
Rec'd via:	courier		

Cooler Check

ID	Temp	# of samples	Security Tape Present	Security Tape Intact	Method of Receipt	Comments
	1.8	1	☐	☐		

Checked By: MD

Sample Verification

Loose Caps?	No	All Samples on COC accounted For?	Yes
Broken Containers?	No	All Samples on COC?	Yes
pH Verified?	No	Written on Internal COC?	No
pH Strip Lot #		Sample Vol. Suff. For Analysis?	Yes
Acid Preserved Samples Lot #		Samples Rec'd W/I Hold Time?	Yes
Base Preserved Samples Lot #		Are All Samples to be Analyzed?	Yes
Samples Received From	courier	Correct Sample Containers?	Yes
Soil Origin (Domestic/Foreign		COC Comments written on COC?	No
Site Location/Project on COC?	Yes	Samplers Initials on COC?	Yes
Client Project # on COC?	Yes	Sample Date/Time Indicated?	Yes
Project Mgr. Indicated on COC	Yes	TAT Requested:	STD
COC relinquished/Dated by Client?	Yes	Client Requests Verbal Results?	No
COC Received/Dated by JEL	Yes	Client Notified of discrepancies?	No
JEL to Conduct ALL Analyses?	Yes	Do VOC vials have headspace or a bubble <6mm (1/4")?	No
Number of Encores	0	Number of Lab Filtered Metals	0

Subcontract Analysis

Parameter	Via	Lab Name	Comments

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Instructions can be found below the table

Facility/Site Name:	US 27 at SR 70
Site Location:	Lake Placid, Highlands County, Florida
Facility/Site ID No.:	

SCTL Type	Value	Units
Residential Direct Exposure SCTL	0.1	mg/kg
Industrial Direct Exposure SCTL	0.7	mg/kg
Alternative SCTL (Optional)		mg/kg
Site Specific Background (Optional)		mg/kg

TEF = Toxic Equivalency Factor

	Soil Sample #	Site 2 SB-2									
	Sample Date	11/18/2020									
	Sample Location:	Site 2 SB-2									
	Depth (ft):										
Contaminant Concentrations											
Contaminant	**TEF**	Site 2 SB-2 (mg/kg)									
Benzo(a)pyrene	1.0	0.0125									
Benzo(a)anthracene	0.1	0.021									
Benzo(b)fluoranthene	0.1	0.018									
Benzo(k)fluoranthene	0.01	0.021									
Chrysene	0.001	0.021									
Dibenz(a,h)anthracene	1.0	0.017									
Indeno(1,2,3-cd)pyrene	0.1	0.021									
Benzo(a)pyrene Equivalents											
Contaminant	**TEF**	Site 2 SB-2 (mg/kg)									
Benzo(a)pyrene	1.0	0.0125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Benzo(a)anthracene	0.1	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Benzo(b)fluoranthene	0.1	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Benzo(k)fluoranthene	0.01	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Chrysene	0.001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Dibenz(a,h)anthracene	1.0	0.0170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Indeno(1,2,3-cd)pyrene	0.1	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Equivalents											
Total Benzo(a)pyrene Equivalents		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Comparisons to SCTLs											
Does This Sample Exceed:		**Site 2 SB-2 (mg/kg)**									
The Residential Direct Exposure SCTL of 0.1 mg/kg?		**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**
The Industrial Direct Exposure SCTL of 0.7 mg/kg?		**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**	**OK**
No Alternative SCTL Given		**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
No Site Specific Background Given		**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

APPENDIX D
FDEP SOIL BORING LOGS, GROUNDWATER SAMPLING LOGS
AND INSTRUMENT CALIBRATION RECORDS

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number: Site 1 SB-1	Permit Number:	FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 920 ☑ AM ☐ PM End Time: 1000 ☑ AM ☐ PM
Environmental Contractor: NorthStar	Geologist's Name: Geoff Fenlite	Environmental Technician's Name: Greg Gemison
Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3
Borehole Depth (feet): 21		
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 14	Measured Well DTW (in feet after water recharges in well): N/A
OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.3	0.5	Fine to Medium Grained Silty Sand Well Sorted Brown/Black "Peaty"	SM	M	
						0.2	1	Fine to Medium Grained, Silty Sand, Well Sorted, Tan/ Light Orange			
							1.5				
						0.2	2				
							2.5				
						0.5	3				
							3.5				
						0.5	4				
							4.5				
						0.5	5				
							5.5				
DPT						0.5	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SB-1		4527 SR 70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							6.5	Same as above	SM	M	
						0.1	7.0				
							7.5				
						0.2	8.0				
							8.5				
						0.0	9.0				
							9.5				
						0.4	10.0				
							10.5				
						0.0	11.0				
							11.5				
						0.4	12.0				
							12.5				
						0.3	13.0			W	
							13.5				
						0.1	14.0			S	
							14.5				
						0.3	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: / End Date:
Site 1 SB-1		US 27 SR 70	11/18/20 / 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							15.5	Same as above	SM	S	
							16.0				
							16.5				
							17.0				
							17.5				
							18.0				
							18.5				
							19.0				
							19.5				
							20.0				
							20.5				
							21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: Sth1 SB-2	Permit Number:		FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 1010 ☑ AM ☐ PM End Time: 1030 ☑ AM ☐ PM	
Environmental Contractor: NorthStar	Geologist's Name: Geoff Furlitz		Environmental Technician's Name: Greg Garrison
Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3	Borehole Depth (feet): 15
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 1.4	Measured Well DTW (in feet after water recharges in well): N/A	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.0	0.5	Fine to Medium Grained Silty Sand, well sorted, Black/Brown			
						0.3	1	Fine to Medium Grained Silty Sand, well sorted			
							1.5	Tan/Light Orange			
						0.0	2				
							2.5				
						0.3	3				
							3.5				
						0.0	4				
							4.5				
DPT						0.0	5				
↓							5.5				
						0.0	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number: SA-1 SB-2	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: End Date:

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							6.5				
						0.1	7.0				
							7.5				
						0.1	8.0				
							8.5				
						0.3	9.0				
							9.5				
						0.3	10.0				
							10.5				
						0.1	11.0				
							11.5				
						0.0	12.0				
							12.5				
						0.1	13.0			W	
							13.5				
						0.4	14.0			S	
							14.5				
						0.5	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: Site 1 SB-3	Permit Number:		FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 1045 ☑ AM ☐ PM End Time: 1115 ☑ AM ☐ PM	
Environmental Contractor: NorthStar	Geologist's Name: Geoff Frothingham		Environmental Technician's Name: Greg Garrison
Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3	Borehole Depth (feet): 15
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 14	Measured Well DTW (in feet after water recharges in well): N/A	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.4	0.5	Fine to Medium Grained, Silthy Sand, Well Sorted, Brown/Black	SM	M	
						0.3	1	Fine to Medium Grained, Silthy Sand, Well Sorted, Brown Tan/Light Orange			
							1.5				
						0.3	2				
							2.5				
						0.2	3				
							3.5				
						0.3	4				
							4.5				
DPT						0.0	5				
							5.5				
						0.1	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
Situ1SB3		US27 SR70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
							6.5	Same as above	SM	M	
						0.1	7.0				
							7.5				
						0.0	8.0				
							8.5				
						0.0	9.0				
							9.5				
						0.1	10.0				
							10.5				
						0.0	11.0				
							11.5				
						0.2	12.0				
							12.5				
						0.2	13.0			W	
							13.5				
						0.3	14.0			S	
							14.5				
						0.2	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	Permit Number:	FDEP Facility Identification Number:
Site 1 SB-4		
Site Name:	**Borehole Start Date:** / **End Date:** 11/18	**Borehole Start Time:** 14~~:~~ ☐ AM ☒ PM / **End Time:** 15:00 ☐ AM ☐ ~~PM~~
US27 SR70		
Environmental Contractor:	**Geologist's Name:**	**Environmental Technician's Name:**
NorthStar	Greg G	
Drilling Company:	**Pavement Thickness (inches):**	**Borehole Diameter (inches):**	**Borehole Depth (feet):**
ACT	N/A	3	17.0
Drilling Method(s):	**Apparent Borehole DTW (in feet from soil moisture content):**	**Measured Well DTW (in feet after water recharges in well):**	**OVA (list model and check type):**
HA/DPT	16	N/A	RKI-GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA				0.3			0.5	Lt. Bro F. We Sand			
				0.0			1	Brown/orange Fine Sand			
							1.5	" "			
				0.0			2				
							2.5				
				0.0			3	" "			
							3.5				
				0.0			4	Orange Med - Fine Sand			
							4.5	" "			
				0.2			5				
DP							5.5				
				0.3			6	" "			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:
Site 1 SB - 4		4527 SR 70	11/18/20 End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
					0.2		6.5	Lt Orange Fine/med Sand			
							7.0				
					0.2		7.5				
							8.0	" "			
							8.5				
					0.1		9.0	" "			
							9.5				
					0.3		10.0	" "			
					0.3		10.5	Same as above mixed with Brn. Fine Sand			
							11.0				
					0.0		11.5	" "			
							12.0				
					0.1		12.5	Lt Orange Fine Sand		moist	
							13.0				
					0.2		13.5	" "			
							14.0			wet	
							14.5				
					0.4		15.0	" "		sat	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: / End Date:
SHL SB-4		4527 SR 70	11/18/20 / 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
							15.5	(L ((			
				0.4			16.0			Saturated	
							16.5				
							17.0				
							17.5				
							18.0				
							18.5				
							19.0				
							19.5				
							20.0				
							20.5				
							21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

Boring/Well Number: S1tz SB-1	Permit Number:		FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 1125 ☑ AM ☐ PM End Time: 1150 ☑ AM ☐ PM	
Environmental Contractor: NorthStar	Geologist's Name: Geoff Fowler		Environmental Technician's Name: Greg Garrison
Drilling Company: ACT	Pavement Thickness (inches):	Borehole Diameter (inches): 3	Borehole Depth (feet): 21
Drilling Method(s):	Apparent Borehole DTW (in feet from soil moisture content): 16	Measured Well DTW (in feet after water recharges in well): N/A	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.4	0.5	Fine to Medium Grained, Well Sorted Silty Sand, Brown/Black	SM	M	
						0.4	1				
							1.5				S1tz SB-1
						0.3	2				
							2.5				
						0.3	3				
							3.5	Same as above but Gray/White			
						0.3	4				
							4.5				
						0.3	5				
DPT							5.5	Same as above but Tan/Light Orange			
						0.2	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:
Site 2 SB-1		US 27 SR 70	11/18/20
			End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							6.5	Same as above	SM	M	
						0.2	7.0				Site 2 SB-1
							7.5				
						0.2	8.0				
							8.5				
						0.3	9.0				
							9.5				
						0.1	10.0				
							10.5				
						0.3	11.0				
							11.5				
						0.2	12.0				
							12.5				
						0.2	13.0				
							13.5				
						0.3	14.0				
							14.5				
						0.3	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SITE2SB-1		US27 SR70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							15.5	Same as above	SM	W	SITE2SB-1
						0.3	16.0			S	
							16.5				
						0.3	17.0				
							17.5				
						0.1	18.0				
							18.5				
						0.0	19.0	Same as above but Gray			
							19.5				
						0.0	20.0	Same as above but Tan/Light Orange			
							20.5				
						0.0	21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Site 2 TMW-2

BORING LOG

Boring/Well Number: Site 2 SB-2	Permit Number:	FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 1250 ☐ AM ☑ PM End Time: 1315 ☐ AM ☑ PM
Environmental Contractor: NorthStar	Geologist's Name: Geoff Forbes	Environmental Technician's Name: Greg Grimson

Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3	Borehole Depth (feet): 20
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 6.0	Measured Well DTW (in feet after water recharges in well): 14.37	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.0	0.5	Fine to Medium Grained, Silty Sand Well Sorted, Brown/Black			Site 2 SB-2
						0.0	1				
							1.5				
						0.0	2	Same as above but Gray/Tan			
							2.5				
						0.0	3	Same as above but Tan/Light Orange			
							3.5				
						0.0	4				
							4.5				
						0.0	5				
DPT							5.5				
						0.0	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SitzSB-2		4527 SR 70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							6.5				
						0.0	7.0	Same as above			
							7.5				SitzSB-2
						0.0	8.0				
							8.5				
						0.0	9.0				
							9.5				
						0.1	10.0				
							10.5				
						0.0	11.0				
							11.5				
						0.1	12.0				
							12.5				
						7.2	13.0				
							13.5				
						0.3	14.0				
							14.5				
						0.1	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Site 2 TMW-2

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:
Site 2 SB-2		US 27 SR 70	11/18/20 End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							15.5	Same as above		W	Site 2 SB-2
						0.2	16.0				
							16.5			S	Site 2 TMW-2
						0.3	17.0				
							17.5				
						0.3	18.0				
							18.5				
						0.2	19.0				
							19.5				
						0.1	20.0				
							20.5				
							21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: Site2SB-3	Permit Number:		FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 1335 ☐ AM ☑ PM End Time: 1405 ☐ AM ☑ PM	
Environmental Contractor: NorthStar	Geologist's Name: Geoff Fuhr		Environmental Technician's Name: Greg Garrison
Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3	Borehole Depth (feet): 16.0
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 15.0	Measured Well DTW (in feet after water recharges in well): N/A	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA						0.1	0.5	Fine to Medium Grained Well Sorted, Silty Sand, Brown/Black	SM	M	
						0.2	1				Site2SB-3
							1.5				
						0.0	2				
							2.5				
						0.1	3	Same as above but Tan/Gray			
							3.5				
						0.1	4	Same as above but Tan/Light Orange			
							4.5				
DPT						0.1	5				
							5.5				
						0.1	6				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; SS = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SITE2SB-3		US27SR70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							6.5				
						0.0	7.0	Same as above			
							7.5				
						0.0	8.0				SITE2SB-3
							8.5				
						0.0	9.0				
							9.5				
						0.0	10.0				
							10.5				
						0.1	11.0				
							11.5				
						0.1	12.0				
							12.5				
						0.1	13.0				
							13.5				
						0.1	14.0			W	
							14.5				
						0.1	15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; SS = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SitzSB-3		US27 SR70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT							15.5	Same as above	SM	S	
						0.1	16.0				
							16.5				
							17.0				
							17.5				
							18.0				
							18.5				
							19.0				
							19.5				
							20.0				
							20.5				
							21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: Site 2 SB-4	Permit Number:	FDEP Facility Identification Number:
Site Name: US27 SR70	Borehole Start Date: 11/18/20 End Date: 11/18/20	Borehole Start Time: 15:50 ☐ AM ☑ PM End Time: ☐ AM ☐ PM
Environmental Contractor: NorthStar	Geologist's Name: Greg G	Environmental Technician's Name:

Drilling Company: ACT	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3	Borehole Depth (feet): 16
Drilling Method(s): HA/DPT	Apparent Borehole DTW (in feet from soil moisture content): 14.5	Measured Well DTW (in feet after water recharges in well): N/A	OVA (list model and check type): RKI GX-6000 ☐ FID ☑ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA				0.4			0.5	Drk Bro Fine Sand			S1-2SB-4
				0.1			1	Bro Fine Sand w/ lim Rock			
							1.5	Lt Bro - orange Fine Sand			
				0.4			2				
							2.5	11 11			
				0.4			3				
							3.5	11 11			
				0.4			4				
							4.5	11 11			
				0.4			5				
DPT		6'					5.5				
				0.4			6	Lt orange fine Sand			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; SS = Split Spoon; ST = Shelby Tube; **DP** = Direct Push; SC = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: / End Date:
S.TR2SB-4		US27SR70	11/18/2 / 11/19/2

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT				0.3			6.5	Same as 6'			
							7.0				
				0.3			7.5	Yellow ish to Orange Fine Sand			
							8.0				S.TR2SB-4
				0.3			8.5	" "			
							9.0				
				0.3			9.5	" "			
							10.0				
				0.4			10.5	Same as 10 w/ Lt Bro Fine Sand			
							11.0	Yellow to orange Fine Sand			
				0.5			11.5				
							12.0			moist	
				0.5			12.5	" "			
							13.0				
				0.5			13.5	" "		wet	
							14.0				
				0.5			14.5	" "		Sat	
							15.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date: 11/18/20
SFT SB-4		US27 SR70	End Date: 11/18/20

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DPT				0.5			15.5	same as 15'			
							16.0				
							16.5				
							17.0				
							17.5				
							18.0				
							18.5				
							19.0				
							19.5				
							20.0				
							20.5				
							21.0				
							21.5				
							22.0				
							22.5				
							23.0				
							23.5				
							24.0				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: US27 SR70	SITE LOCATION: Lake Placid, Highlands County, Florida		
WELL NO: Site2TMW-2	SAMPLE ID: Site2TMW-2	DATE: 11/18/20	

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 14.62	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)
= (20 feet – 14.62 feet) X 0.04 gallons/foot = 0.2152 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): 20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.75	PURGING INITIATED AT: 1440	PURGING ENDED AT: 1610	TOTAL VOLUME PURGED (gallons): 1.77

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)
1454	0.25	0.25	0.02	14.62							
				Calibrating Equipment Solo							
1520	0.52	0.77	0.02	14.62	6.99	27.0	450.9	24.2	702	Tan	None
1525	0.10	0.87	0.02	14.62	7.00	27.0	461.6	27.1	432	Tan	None
1527	0.04	0.91	0.02	14.62	6.99	27.1	462.2	28.3	330	Tan	None
1529	0.04	0.95	0.02	14.62	7.00	27.1	411.4	28.3	459	Tan	None
1531	0.04	0.99	0.02	14.62	7.01	26.8	413.5	27.8	450	Tan	None
1533	0.04	1.03	0.02	14.62	6.99	26.8	465.5	27.8	466	Tan	None
1537	0.08	1.11	0.02	14.62	6.96	26.5	491.4	28.6	358	Tan	None
1539	0.04	1.15	0.02	14.62	6.96	26.6	483.0	29.6	231	Tan	None

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: Geoff Franklin NorthStar	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1611	SAMPLING ENDED AT: 1616
PUMP OR TUBING DEPTH IN WELL (feet): 14.75	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
Site2TMW-2	3	CG	40	HCL	120		8260 BTEX+MTBE	RFPP	74
Site2TMW-2	1	AG	250	None	250		PAH	PP	74

REMARKS: Initial Purge [6 gray/Tan 0.25' Stickup

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) 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)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: US27 SR70	SITE LOCATION: Lake Placid, Highlands County, Florida		
WELL NO: Site 2 TMW-2	SAMPLE ID: Site2TMW-2	DATE: 11/18/20	

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 14.62	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)
= (20 feet – 14.62 feet) X 0.04 gallons/foot = 0.2152 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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
20	14.75	1440	1610	1.77

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)
1545	0.12	1.27	0.02	14.62	6.99	26.6	463.7	29.1	164	Light Tan	None
1547	0.04	1.31	0.02	14.62	6.99	26.6	446.2	29.3	134	Light Tan	None
1549	0.04	1.35	0.02	14.62	7.00	26.1	423.3	29.9	105	Light Tan	None
1552	0.06	1.41	0.02	14.62	6.99	25.7	426.2	33.6	57.4	Light Tan	None
1600	0.16	1.57	0.02	14.62	6.99	25.0	425.8	31.3	45.7	Clear	None
1602	0.04	1.61	0.02	14.62	6.99	25.1	433.1	31.1	45.6	Clear	None
1604	0.04	1.65	0.02	14.62	6.99	25.4	433.7	29.8	21.3	Clear	None
1606	0.04	1.69	0.02	14.62	6.99	25.4	431.9	31.4	15.6	Clear	None
1608	0.04	1.73	0.02	14.62	6.99	25.5	430.4	31.7	17.0	Clear	None
1610	0.04	1.77	0.02	14.62	6.99	25.4	431.5	31.9	14.9	Clear	None

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: Geoff Fowler / NorthStar	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1611	SAMPLING ENDED AT: 1616
PUMP OR TUBING DEPTH IN WELL (feet): 14.75	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
Site2TMW-2	3	CG	40	HCl	120		8260 BTEX/MTBE	RFPP	74
↓	1	AG	250	None	250		PAH	↓	74

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) 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)

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 42203
Description RKI GX-6000 (PID ONLY)
Calibrated 11/17/2020 4:07:38PM

Manufacturer RKI
Model Number GX-6000
Serial Number/ Lot Number 52H0232601-36RN
Location Florida
Department

State Certified
Status Pass
Temp °C 21.2
Humidity % 56

Calibration Specifications

Group # 1
Group Name Isobutylene (VOC)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	PPM	100.0	PPM	97.5	100.1	0.10%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
FL ISO 100PPM DBH-248-100-6	FL ISO 100PPM 105L	Liquid Technology	GP11015	DBH-248-100-6		4/4/2021

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Gary Dodge

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) RKI GX-6000 **INSTRUMENT #** 42203

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☑ OTHER OVA

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 0.0 ppm
Standard B 100.0 ppm Isobutylene Lot#304-4018363541 Exp 8/4/21
Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
20/11/18	910	A	0.0	0.0	0.0	Yes	Init	
20/11/19	845	A	0.0	0.0	0.0	No	Cont	
20/11/19	845	B	100.0	107.8	7.8	No	Cont	

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 35855
Description HACH 2100Q Turbidimeter
Calibrated 11/17/2020 3:57:37PM

Manufacturer HACH
Model Number 2100Q
Serial Number/ Lot Number 16030C048503
Location Florida
Department

State Certified
Status Pass
Temp °C 23.4
Humidity % 55

Calibration Specifications

Group # 1
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
10.00 / 10.00	NTU	10.00	NTU	9.83	10.00	0.00%	Pass
20.00 / 20.00	NTU	20.00	NTU	20.20	20.00	0.00%	Pass
100.00 / 100.00	NTU	100.00	NTU	101.00	100.00	0.00%	Pass
800.00 / 800.00	NTU	800.00	NTU	815.00	800.00	0.00%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
FL HACH 100NTU	FL HACH 100 NTU A9336	HACH	2684901	A9336		3/30/2021
FL HACH 10NTU	FL HACH 10 NTU A9331	HACH	2961801	A9331		3/30/2021
FL HACH 20NTU	FL HACH 20 NTU A9329	HACH	2684801	A9329		2/28/2021
FL HACH 800NTU	FL HACH 800 NTU A9325	HACH	2660501	A9325		2/28/2021

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Donny Mahadeo

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) Hach 2100Q **INSTRUMENT #** 16030C048503

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☑ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 10 NTU Lot A0239 Exp 11/21
Standard B 20 NTU Lot A0216 Exp 11/21
Standard C 100 NTU Lot A0239 Exp 11/21
Standard D 800 NTU Lot A0233 Exp 11/21

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
20/11/18	1450	A	10.0	10.0	0.0	Yes	Init	
20/11/18	1450	B	20.0	20.1	0.5	Yes	Init	
20/11/18	1450	C	100	96.7	3.3	Yes	Init	
20/11/18	1450	D	800	794	0.75	Yes	Init	
20/11/18	1635	A	10.0	10.6	6	No	Cont	
20/11/18	1635	B	20.0	20.6	3	No	Cont	
20/11/18	1635	C	100	101	1	No	Cont	
20/11/18	1635	D	800	805	0.625	No	Cont	

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 48514
Description YSI Professional Plus
Calibrated 11/17/2020 4:40:44PM

Manufacturer YSI
Model Number 6050000
Serial Number/ Lot Number 20B120523
Location Florida
Department

State Certified
Status Pass
Temp °C 23.3
Humidity % 55

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	6.92	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.96	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.95	10.00	0.00%	Pass

Group # 2
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.409	1.413	0.00%	Pass

Group # 3
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	252.00	240.00	0.00%	Pass

Group # 4
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	97.30	100.00	0.00%	Pass

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI **INSTRUMENT #** 48514

PARAMETER: *[check only one]*

☐ TEMPERATURE ☑ CONDUCTIVITY ☐ SALINITY ☑ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER OVA

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

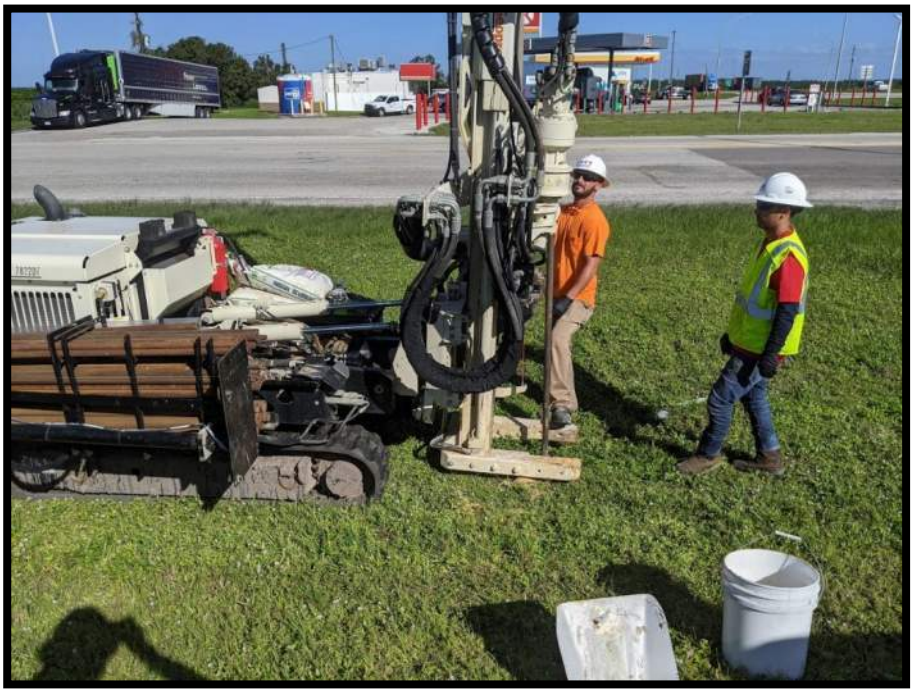
Standard A 4 pH Lot 06F127 Exp 6/22
Standard B 7 pH Lot 06F592 Exp 6/22
Standard C 10 pH Lot 06B986 Exp 2/22
Standard D 1413 µS/cm Lot 066575 Exp 7/21
Standard E 100%

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
20/11/18	1450	A	4	4.01	0.25	Yes	Init	
20/11/18	1450	B	7	7.09	1.3	Yes	Init	
20/11/18	1450	C	10	9.96	0.04	Yes	Init	
20/11/18	1450	D	1413	1436	1.6	Yes	Init	
20/11/18	1450	E	100	101.2	1.2	Yes	Init	
20/11/18	1625	A	4	4.03	0.75	No	Cont	
20/11/18	1625	B	7	6.97	0.4	No	Cont	
20/11/18	1625	C	10	9.92	0.8	No	Cont	
20/11/18	1625	D	1413	1487	5.0	No	Cont	
20/11/18	1625	E	100	100	0.0	No	Cont	

APPENDIX E
PHOTOGRAPHS



Photograph 1
View of soil boring advancement at Site 1 SB-1.



Photograph 2
View of soil boring advancement at Site 1 SB-2.

Project No. 4020342	ID:	DATE: 11/18/2020

NORTHSTAR CONTRACTING GROUP, INC.
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
PH:(813) 684-4400

SITE PHOTOGRAPHS 1 & 2
STATE ROAD 25 (US 27) FROM SOUTH OF STATE ROAD 70
TO NORTH OF STATE ROAD 70
LAKE PLACID, HIGHLANDS COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO. 439827-1-C2-32



Photograph 3
View of soil boring advancement at Site 1 SB-3.



Photograph 4
View of soil boring advancement at Site 2 SB-2.

Project No. 4020342	ID:	DATE: 11/18/2020

NORTHSTAR CONTRACTING GROUP, INC.
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
PH:(813) 684-4400

SITE PHOTOGRAPHS 3 & 4
STATE ROAD 25 (US 27) FROM SOUTH OF STATE ROAD 70
TO NORTH OF STATE ROAD 70
LAKE PLACID, HIGHLANDS COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO. 439827-1-C2-32



Photograph 5
View of soil boring advancement at Site 2 SB-3.



Photograph 6
View of temporary monitoring well advancement at Site 2 TMW-2.

Project No. 4020342	ID:	DATE: 11/18/2020

NORTHSTAR CONTRACTING GROUP, INC.
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
PH:(813) 684-4400

SITE PHOTOGRAPHS 5 & 6
STATE ROAD 25 (US 27) FROM SOUTH OF STATE ROAD 70
TO NORTH OF STATE ROAD 70
LAKE PLACID, HIGHLANDS COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO. 439827-1-C2-32

Map ID 27 – Former Groves and Gas Station
2741 US 27 South

Bair's Den Restaurant - Bairs Den, Florida



COPY URL

DOWNLOAD

DESCRIPTION | ORDER | METADATA | CITATION

IMAGE NUMBER

N031576

RIGHTS

PUBLIC DOMAIN

COLLECTION

General collection

GEOGRAPHIC TERM

Bairs Den (Fla.)
United States Highway 27
Florida State Highway 70 (Fla.)

SUBJECT TERM

Service stations--Florida--Bairs Den
Roads--Interchanges and intersections

CORPORATE SUBJECT

Bairs Den Restaurant (Bairs Den, Fla.)

PHYSICAL DESCRIPTION

1 photonegative - b&w - 4 x 5 in.

GENERAL NOTE

Located at intersection of U.S. Highway 27 and Florida Highway 70.

Photonegative of a postcard.

Map ID 33 – Lake Placid Groves – Veli Block/Turner & Kelly Bulb Farm
500 Cambria Road
200 Turner Road

Lake Placid Groves Pump House No. 7 and
Pump House No. 14
Facility ID Nos. 8732608 and 9046277
Highland County, Florida

LEILA NODARSE, P.E.
President
MICHAEL PREIM, P.E.
Senior Vice President
DANIEL DUNHAM, P.E.
SYLVIA JAMMAL
DANIEL STANFILL, P.E.
DAVID TWEDELL
SANDRA WINKLER
Vice Presidents

NODARSE & ASSOCIATES, INC.

Geotechnical, Environmental Geotechnics & Materials Engineering

July 20, 1999
Project No. W99-E-028

Mr. Harry Moldenhower
Okeechobee County Public Health Unit
P.O. Box 1879
Okeechobee, Florida 34973-1879

Lake Placid Groves Pump House No. 7 and Pump House No. 14
Florida Department of Environmental Protection Facility ID Nos. 8732608 and 9046277
Highland County, Florida

Dear Mr. Moldenhower:

On behalf of our client, Consolidated Tomoka Land, Nodarse & Associates, Inc. (N&A) is providing soil and groundwater quality assessment information for field work recently completed at the site of aboveground tanks located at the subject facilities. It is our belief that the minor petroleum discharged observed and tested are the result of the release of less than 25 gallons total product over a very long period of time at each facility. We are providing data collected during field studies conducted by N&A in June 1999 and by MDM Services, Inc. (MDM) under contract to Oakley Groves, Inc. in February 1999.

It is our request that you review the following information, and provide concurrence with our conclusions that no further action would be required regarding the minor petroleum discharge observed at these two (2) tank locations. Because we believe that the total discharge over time was less than 25 gallons, a discharge notification was not completed. However, we did feel it important to provide the County with the information on the field studies undertaken.

PUMP HOUSE NO. 14

Lake Placid Groves Pump House No. 14 is the site of a 3,000 gallon tank listed under Facility ID No. 9046277. A map indicating the location of the pump house may be found in **Appendix A**. In February 1999, MDM conducted a Phase II Environmental Site Assessment (ESA) at this site. At that time, a series of nine (9) hand auger borings were advanced to a depth of approximately 20 feet below land surface on-site. Field measured organic vapor analysis readings of 250 parts per million (ppm) and diesel fuel odors were noted in one (1) boring located between the aboveground fuel tank containment wall and the pump house building wall. A subsequent laboratory analytical sample was removed at a depth of 15 feet below land surface and analyzed for the parameters listed under U.S. Environmental Protection Agency (EPA) Methods 8021, 8100, and for Total Recoverable Petroleum Hydrocarbons (TRPH) utilizing the FL-PRO analytical methodology.

1030 NORTH ORLANDO AVENUE, SUITE A • WINTER PARK, FLORIDA 32789 • 407.740.6110 • FAX 407.740.6112 • e-mail: nodarse@nodarse.com

As a result of the soil sampling and analysis performed by MDM, only TRPH, at a recorded level of 9469 ppm, exceeded the Direct Exposure Category II Industrial Level of 2500 ppm soil cleanup criteria. A copy of the analytical results for these analyses can be found in **Appendix A.**

In order to determine if groundwater quality had been impacted from the soil contamination encountered by MDM, one (1) temporary monitoring well was installed in the vicinity of the petroleum soil contamination encountered. Groundwater was encountered at a depth of approximately 43 feet below land surface at the time of sampling. The groundwater sample removed was analyzed for the parameters listed under EPA Methods 602, 610 and TRPH. As a result of the sampling and analysis performed by MDM, none of the parameters listed under the EPA Methods analyzed were found above the method detection level.

Upon receipt of the MDM report, and as a confirmation of the magnitude of the contamination encountered, N&A was contracted by Consolidated Tomoka Land (Lake Placid Groves) to confirm the magnitude of the petroleum contamination encountered on-site. A series of four (4) hand auger borings, designated HA-1 through HA-4, were installed in and around the area where MDM had originally encountered petroleum contamination in soils at their boring locations B5 and B5A. Each hand auger boring was advanced to a depth of approximately 20 feet below land surface, and soils removed at approximately 2 foot intervals to be analyzed for the presence of organic vapors following procedures outlined under Florida Department of Environmental Protection (FDEP) "Guidelines for Assessment and Source Removal of Petroleum Contamination Soil" dated May 1998. As a result of the soil analyses undertaken, none of the samples indicated the presence of organic vapors above the instrument detection level. In addition, no petroleum odors or staining were noted in the four (4) borings installed.

In addition to the field organic vapor analysis, one (1) soil sample was removed within the approximate location of the original soil sample taken by MDM. The soils removed was analyzed for the presence of the parameters listed under EPA Methods 8100, 8021 and for TRPH utilizing the FL-PRO analytical methodology. As a result of the soil sampling and analysis, none of the parameters listed under the EPA methods analyzed were detected above the instrument method detection level. No groundwater confirmation was undertaken due to the lack of evidence of groundwater impact from the previous investigation.

Based upon the MDM report, it appears that a very small, narrow area of soil petroleum contamination may exist at this facility. However, this contaminated area is extremely localized within a surface area of 1 to 2 feet in horizontal dimension. Because of the extremely limited nature of the dimension of the soil contamination encountered by MDM, it is our belief that this soil contamination was a result of a slow drip or leak within the aboveground fuel line located near this area. We also believe that less than 25 gallons has likely been encountered, witnessed by the fact that the plume is very narrow and minor in

concentration. Because of these facts, we do not believe any additional action is warranted on this site with regard to the minor petroleum soil contamination encountered. It should be noted that no surface staining or evidence of any spill was observed at the time of N&A's sampling activities.

A site plan location of the soil samples removed by N&A together with the field organic vapor analytical results and soil laboratory analytical results may be found in **Appendix A**.

PUMP HOUSE NO. 7

In January 1999, MDM Services, Inc. (MDM) conducted a Phase II Environmental Site Assessment (ESA) at the Lake Placid Groves Pump House No. 7 listed under Facility ID No. 8732608. A map indicating the general location of the pump house is shown in **Appendix B**.

MDM installed a series of 11 hand auger borings and found field measured organic vapor analytical measurements ranging from 36 to 190 ppm in the area north of the pump house between the fuel tank containment area and the fertilizer mixing tank. No laboratory soil analysis was performed at the time of MDM's Phase II assessment.

One (1) temporary monitoring well, designated TMW-1, was installed by MDM at the location where the soil indicated organic vapors above the instrument detection level. This hand installed well was installed and screened within the petroleum contaminated soil encountered at the time of their assessment. Samples removed from this temporary well were analyzed for the parameters listed under EPA Methods 602 and 610. As a result of the groundwater sampling and analysis, traces of diesel fuel constituents above groundwater cleanup standards were encountered. A laboratory report of the analysis undertaken may be found in **Appendix B**. Four (4) additional monitoring wells subsequently installed by MDM around the perimeter of the initial temporary well failed to indicate the presence of petroleum contaminants removed.

As a follow up to this assessment, N&A installed a series of hand auger borings, designated HA-1 through HA-11, at the site. Samples removed from each location were analyzed for the presence of organic vapors following FDEP guidelines as described above. A slight petroleum odor and organic vapor analytical results ranging from non-detect to a high of 250 ppm were encountered in the boring locations directly north of the pump house and between the diesel fuel tank retention area and the fertilizer mixing tank area. These findings closely correspond to the organic vapor analytical findings recorded in the MDM study. Tables indicating the organic vapor analytical results may be found in **Appendix B**.

One (1) soil sample was removed from the location where the greatest petroleum odor and organic vapor analytical result was obtained. The soil sample removed was analyzed for the presence of the parameters listed under EPA Methods 8100, 8021 and TRPH under the FL-PRO methodology. As result of the soil sampling and analysis, none of the parameters listed were detected above soil target cleanup levels for industrial sites under Chapter 62-770 Florida Administrative Code. A copy of the laboratory analytical results for the samples removed may be found in **Appendix B** together with a site plan indicating the location of all hand auger borings and monitoring well locations.

In order to determine direction of groundwater flow on-site, three (3) piezometers were installed (two (2) south of the existing pump house and one (1) north of the existing pump house). As a result, a northerly direction of groundwater flow was established toward Lake Francis at the site. Depth to groundwater at the time of installation was approximately 9.7 feet below land surface.

In order to assess groundwater quality, one (1) temporary well, designated TMW-1, was installed to a depth of approximately 13.5 feet below land surface. A well construction detail for the temporary monitoring well may be found in **Appendix B**. This well was located 3 to 5 feet from the edge of the location where minor amounts of organic vapors and petroleum odors were encountered in soils at the groundwater table on-site. This monitoring well was not installed through contaminated soil to prevent incidental groundwater contamination as a result of a hand installed monitoring well. Also, access to this area with a drilling rig would be very difficult. Samples removed were analyzed for the presence of the parameters listed under EPA Methods 610 and for TRPH utilizing the FL-PRO methodology. As a result of the sampling and analysis of groundwater, 1 ppm of TRPH was encountered. None of the other parameters analyzed were detected above the instrument detection level.

Given the magnitude of the minor soil contamination encountered at this site, it is our belief that the amount of fuel spilled over a long period of time at this facility is less than 25 gallons. In addition, it is our belief that the groundwater contamination initially encountered by the MDM Services assessment was likely due to the installation of a hand installed monitoring well within the petroleum contaminated soil. This is further supported by the lack of any petroleum staining encountered on the surface and the fact that the soil contamination measured in the field was within 1 foot of the groundwater table. The monitoring well installed by N&A was completed at the leading edge of the area where soil contamination was encountered, hydraulically downgradient from the petroleum contaminated soil. Within that sample, only a trace amount of TRPH was encountered. Therefore, we do not believe that petroleum contamination of groundwater has occurred above standards.

It should be noted that all sampling and analysis activities undertaken by N&A were accomplished under a FDEP approved Comprehensive Quality Assurance Plan.

CONCLUSIONS

Based upon the information provided for the two (2) facilities, we do not believe that any additional assessment or reporting activities are required due to the lack of evidence of petroleum contamination above state standards, and our belief that the petroleum contamination at both sites was a result of minor discharge over a long period of time with a cumulative quantity of less than 25 gallons. We believe this to be evidenced by the magnitude of the petroleum contamination measured.

Please contact us if you have any questions regarding the information contained herein. N&A appreciates your review and consideration of this information in a timely manner.

Sincerely,

NODARSE & ASSOCIATES, INC.

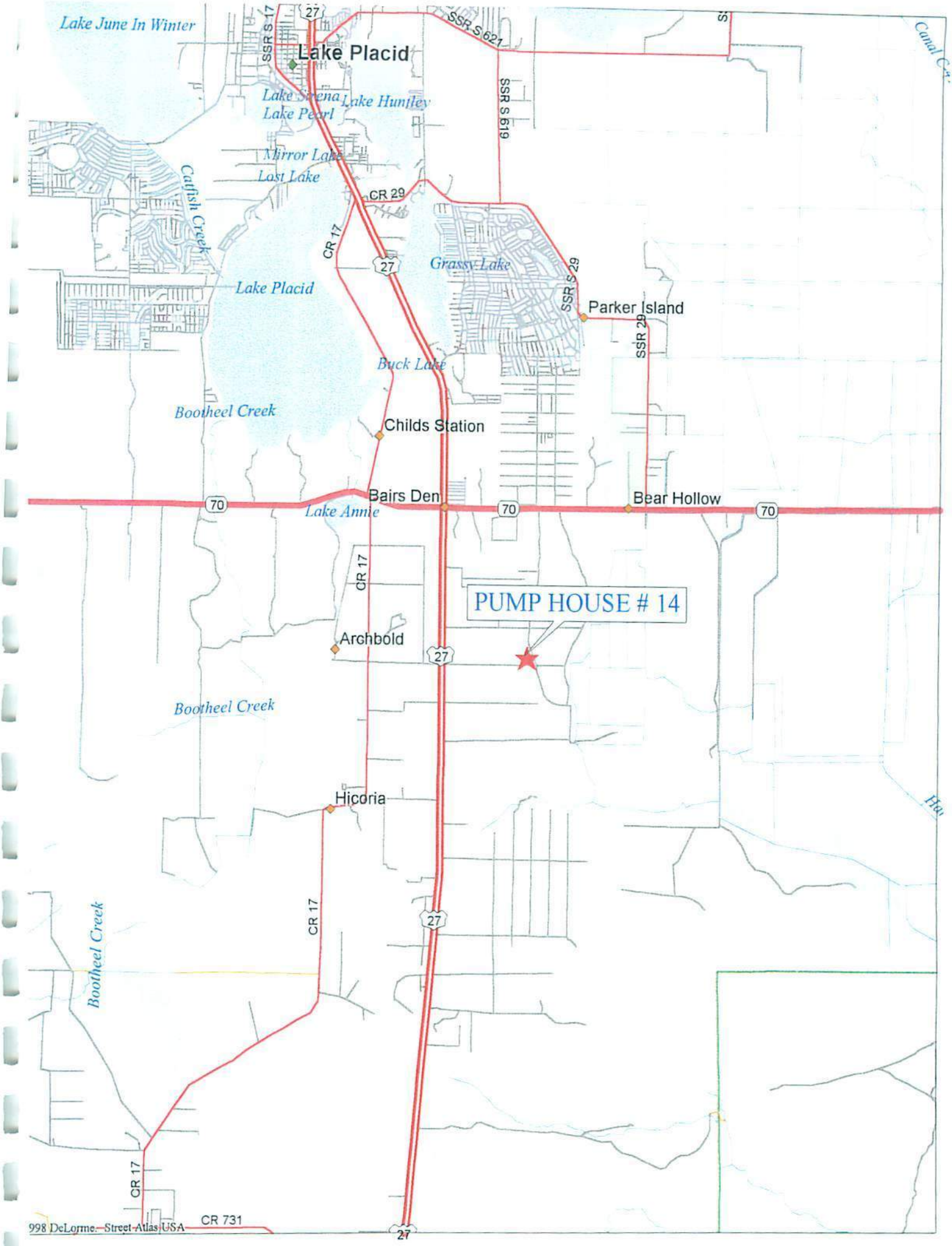
David B. Twedell
Vice President/Principal Scientist

DBT:cah
9-028squ.rep.wpd

cc: Joseph Benedict, III
Consolidated Tomoka Land

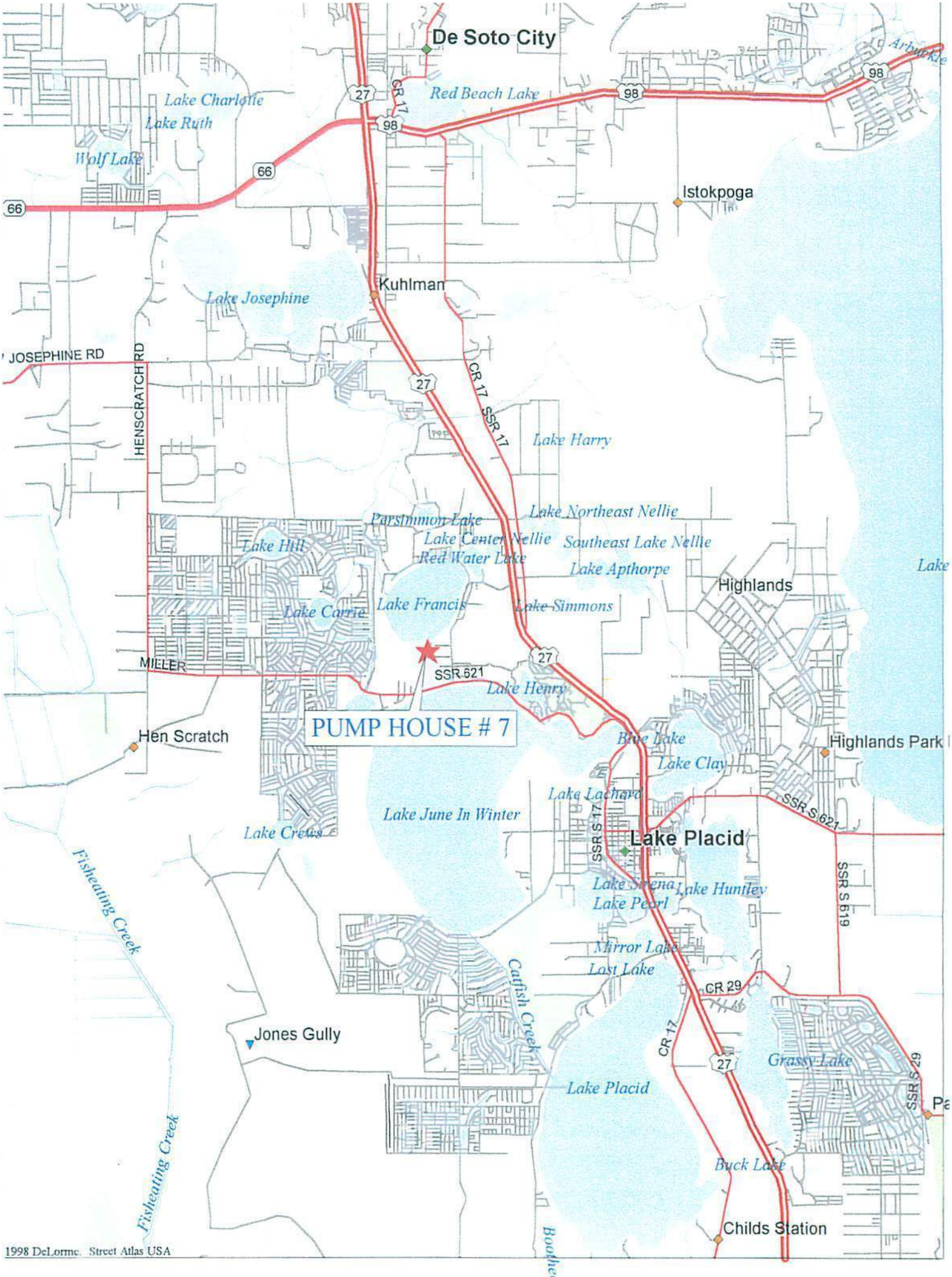
APPENDIX A

PUMP HOUSE NO. 14


Lake June In Winter
Lake Placid
SSR S 17
27
SSR S 621
SSR S 619
Lake Sirena
Lake Huntley
Lake Pearl
Mirror Lake
Lost Lake
Catfish Creek
CR 29
CR 17
27
Grassy Lake
SSR S 29
Parker Island
Lake Placid
Buck Lake
Bootheel Creek
Childs Station
Bairs Den
70
Lake Annie
70
Bear Hollow
70
CR 17
PUMP HOUSE # 14
Archbold
27
Bootheel Creek
Hicoria
CR 17
27
Bootheel Creek
CR 17
CR 731
27
998 DeLorme Street Atlas USA

APPENDIX B

PUMP HOUSE NO. 7

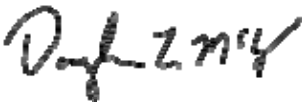

De Soto City
Lake Charlotte
Lake Ruth
Wolf Lake
Red Beach Lake
Arbuckle
98
27
CR 17
66
Istokpoga
Kuhlman
Lake Josephine
JOSEPHINE RD
HENSCRATCH RD
CR 17 SSR 17
Lake Harry
Parsimmon Lake
Lake Northeast Nellie
Lake Center Nellie
Southeast Lake Nellie
Red Water Lake
Lake Hill
Lake Apthorpe
Highlands
Lake Carrie
Lake Francis
Lake Simmons
MILLER
SSR 621
Lake Henry
PUMP HOUSE # 7
Hen Scratch
Blue Lake
Lake Clay
Highlands Park
Lake Lachard
Lake June In Winter
Lake Placid
Lake Crews
Fisheating Creek
Lake Sirena
Lake Huntley
Lake Pearl
SSR 619
Mirror Lake
Lost Lake
CR 29
Catfish Creek
Jones Gully
Grassy Lake
Lake Placid
Buck Lake
Childs Station
Boathee
1998 DeLorme. Street Atlas USA

Map IDs 35 & 39 – Former K-W Farms and K-W Farms/Kelly Bulb Farm
1411 SR 70
125 K-W Farms Road

Chris Garth

From: McCoy, Douglas L <Douglas.McCoy@flhealth.gov>
Sent: Wednesday, August 21, 2019 2:56 PM
To: Chris Garth
Subject: RE: Fac ID 8943012 _ K-W Farms _ Highlands County

Chris, We inherited the program in the early 90's. The DEP transferred their files to us. The file for this site only shows an after the fact inspection conducted in 1992 by South District where they visited the site and verified the tanks removal in 1988. No pictures or drawings were included in the inspection. No closure documents were included in the file.



Douglas L. McCoy, RS
Environmental Specialist II
Florida Department of Health; Okeechobee County
1728 NW 9th Ave
Okeechobee, FL 34972
Ph: (863) 462-5811 Cell: (863) 610-2925

From: Chris Garth [mailto:cgarth@tierraeng.com]
Sent: Wednesday, August 21, 2019 8:51 AM
To: McCoy, Douglas L <Douglas.McCoy@flhealth.gov>
Subject: Fac ID 8943012 _ K-W Farms _ Highlands County

Doug,

Do you have any closure/assessment documents, maps or sketches? I checked OCULUS and found only a tank registration form for 2 UST installed in 1981/82 and removed in 1988.

Thanks,

Chris Garth, LEP
Senior Scientist
TIERRA, INC.
7351 Temple Terrace Highway | Tampa, Florida 33637
T 813.989.1354 | F 813.989.1355 | C 813.766.0269
cgarth@tierraeng.com | www.tierraeng.com
geotechnical environmental materials engineering

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Map ID 42 – SR 70 Desoto County
From US 27 to Harney Pond Canal

Detailed Facility Report

Facility Summary

SR 70 DESOTO COUNTY FLA

US 27 TO HARNEY POND CANAL, LAKE PLACID, FL 33852

FRS (Facility Registry Service) ID: 110022844243

EPA Region: 04

Latitude: 27.208333

Longitude: -81.329444

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	Terminated Permit
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Terminated; Compliance Tracking Off (FLR10BB43)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110022844243					N	27.208333	-81.329444
ICIS-NPDES	CWA	FLR10BB43	Non-Major: General Permit Covered Facility	Terminated; Compliance Tracking Off	Construction Stormwater	07/28/2010	N	27.208333	-81.329444

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110022844243	SR 70 DESOTO COUNTY FLA	US 27 TO HARNEY POND CANAL, LAKE PLACID, FL 33852	Highlands County
ICIS-NPDES	CWA	FLR10BB43	SR 70 DESOTO COUNTY FLA	US 27 TO HARNEY POND CANAL, LAKE PLACID, FL 33852	Highlands County

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
Miccosukee Reservation	Miccosukee Tribe of Indians	100000159	6
Brighton Reservation	Seminole Tribe of Florida	100000266	15

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	FLR10BB43	No	03/31/2025	0	07/11/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
CWA (Source ID: FLR10BB43)		04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-07/11/25
	Facility-Level Status	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
	Quarterly Noncompliance Report History													

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
030901030302	030901030302	--	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
FL	2022	FL3201B	GATOR SLOUGH	Impaired - 303(d) Listed	NUTRIENTS	--	Not Supporting	--	Not Supporting	--
FL	2022	FL3204	HARNEY POND CANAL	Impaired - 303(d) Listed - With Restoration Plan	ALGAL GROWTH | NOXIOUS AQUATIC PLANTS | NUTRIENTS | ORGANIC ENRICHMENT/OXYGEN DEPLETION	--	Not Supporting	--	Not Supporting	--
FL	2022	FL1938Y	LAKE PLACID OUTLET	Impaired - 303(d) Listed	METALS (OTHER THAN MERCURY) | NUTRIENTS | ORGANIC ENRICHMENT/OXYGEN DEPLETION	--	Not Supporting	--	Not Supporting	--

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	465
Population Density	160/sq.mi.
Housing Units in Area	278
Percent People of Color	39%
Households in Area	225
Households on Public Assistance	0
Persons With Low Income	177
Percent With Low Income	38%

Geography	
Radius of Selected Area	1 mi.

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	18 (4%)
Minors 17 years and younger	72 (15%)
Adults 18 years and older	393 (85%)
Seniors 65 years and older	245 (53%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	380 (82%)
African-American	5 (1%)
Hispanic-Origin	168 (36%)
Asian	0 (0%)
Hawaiian/Pacific Islander	0 (0%)

Geography	
Center Latitude	27.208333
Center Longitude	-81.329444
Total Area	3.121 sq.mi.
Land Area	93%
Water Area	7%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	29 (12.95%)
$15,000 - $25,000	22 (9.82%)
$25,000 - $50,000	82 (36.61%)
$50,000 - $75,000	26 (11.61%)
Greater than $75,000	65 (29.02%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
American Indian	0 (0%)
Other/Multiracial	11 (2%)
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	36 (9.21%)
9th through 12th Grade	21 (5.37%)
High School Diploma	135 (34.53%)
Some College/2-year	102 (26.09%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	61 (15.6%)

APPENDIX F

Site Photographs

MAINLINE CONTAMINATION SITE PHOTOGRAPHS



Map ID 1: Smoak Groves – Lonesome Dove
SR 70 looking south



Map ID 2: Griffin Trees
SR 70 looking south



Map ID 2: Griffin Trees
Park Land Drive looking east



Map ID 3: Posey Dairy



MAP ID 5: Scarborough Groves
SR 70 looking south



Map ID 6: Lake Placid Groves – Lake Annie Block



Map ID 7: Former Division of Forestry – Herren Nursery
SR 70 looking north



Map ID 8: Worley Block/Black Bear Citrus/Lake Placid Groves-Air Strip



Map ID 8: Worley Block/Black Bear Citrus/Lake Placid Groves-Air Strip
Vicinity of former AST looking northeast



Map ID 10: CSX Railroad
SR 70 looking south



Map ID 11: E'Harts Nursery
Old SR 8 looking east



Map ID 12: Sunshine Newspaper Printing



Map ID 13: Smith Property
West of Old SR 8 looking southMap ID 15: Smith Property



Map ID 15: Lake Placid Contractor Yard
SR 70 looking south



Map ID 16: Howard Fertilizer, two ASTs



Map ID 17: Lake Placid Groves
SR 70 looking north

Distribution Boulevard (south of SR 70) looking west



Map ID 18: Georgia-Pacific
SR 70 looking southeast



Map ID 18: Georgia-Pacific, vicinity of lead plume
SR 70 looking south



Map ID 19: AT&T Communications – Childs Microwave Tower
West of site looking east



Map ID 20: Glades Electric – Lake Placid Yard
East of site looking west



Map ID 21: Smoak & Sons/Smoak Citrus
SR 70 looking north



Map ID 22: Wedgeworth (Former Douglas Fertilizer/The Andersons)
SR 70 looking south



Map ID 23: American Tower
SR 70 looking south



Map ID 24: Chevron #48021 (Former 27 Truck Stop)
Northeast area looking south



Map ID 25: Shell/Circle K #2707451
North portion of site looking south



Map ID 26: Lake Placid Caretakers
US 27 looking east



Map ID 27: Former Groves
SR 70 looking north



Map ID 28: Reynolds Groves
SR 70 looking south



Map ID 29: Eagle Plant Nursery
SR 70 looking northwest



Map ID 29: Eagle Plant Nursery, structures



Map ID 30: Sunburst RV Park
SR 70 looking south



Map ID 31: Alpine Mobile Home Park



Map ID 32: Ekhoff Groves
SR 70 looking north



Map ID 33: Lake Placid Groves – Veli Block
SR 70 looking south



Map ID 34: Sutton Property
SR 70 looking south



MAP ID 35: Former K-W Farms
North area looking south



Map ID 36: Pump House
SR 70 looking north



Map ID 37: Griffin Trees
SR 70 looking northeast



Map ID 39: K-W Farms
SR 70 looking south



Map ID 39: Pole Barn
CR 29 looking west



Map ID 40: AST north of Pole Barn
CR 29 looking west

DRAINAGE SITES



FPC 1211B: Near southeast corner looking northwest



FPC 1213A: Near southeast corner looking northwest



SMF 1203A: South-central area looking north



SMF 1203D: West boundary looking east



FPC 1214B: Near northwest corner looking south



FPC 1214C: Near northeast corner looking west



FPC 1214D: Near south boundary looking north


SMF 1204A: SR 70 looking north



FPC 1301A: Near southeast corner looking southwest



SMF 1301A: Concrete slab and wood structural remnants in north-central area onsite



SMF 1301A: Metal and wood structure remnants in southeast area onsite



FPC 1303A: West boundary looking east



FPC 1306A: Near northeast corner looking southwest



SMF 1302C: South boundary looking northwest



FPC 1309C: Central area looking west



FPC 1309C: Dilapidated, empty tote, near southeast boundary



FPC 1309C: North side of shed (southwest area) looking south



SMF 1303A: Near northwest corner looking southeast

GENERAL SITE PHOTOGRAPHS



West project limit looking east along SR 70



East project limit looking west along SR 70