

DRAFT
CONTAMINATION SCREENING EVALUATION REPORT

Florida Department of Transportation

District 4

SR 5/ US 1 at Aviation Boulevard

Indian River, Florida

Financial Management Number: 441693-1-22-02

ETDM Number: 14475

February 2024

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

Project Development & Environment (PD&E) Study

SR 5/US 1 at Aviation Boulevard

Indian River County, Florida

Financial Management Number: 441693-1-22-02

ETDM Number: 14475

Contamination Screening Evaluation Report

Prepared for:



Florida Department of Transportation

District 4

Prepared by:

WGI, Inc.

2035 Vista Parkway

West Palm Beach, FL 33411

February 2024

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

Executive Summary

A total of 13 potential contamination sites were identified within the contamination study area. No sites are assigned a High Risk rating. Four sites are assigned a Medium Risk rating for potential contamination concerns:

- Florida East Coast (FEC) Railroad (Map ID #1)
 - This railroad bed has a long history of use and may contain arsenic (from chromated copper arsenate), petroleum products (from creosote oil), and other contaminants from treated railroad ties. All project alternatives include modifications to the railroad crossing at Aviation Boulevard.
- Vero Beach Water Treatment Plant (Map ID #2)
 - There have been one or more ponds or ditches along Aviation Boulevard that have received effluent including spent lime sludge from the City's water treatment plant.
- Sullivan Property (Map ID #3)
 - Two underground storage tanks (USTs) were removed circa 1998 but no tank closure report with confirmatory soil or groundwater sampling was found.
- W C Graves Jr. / Indian River Associates (Map ID #4)
 - Two USTs were removed before 1990 but there is no record of confirmatory soil or groundwater sampling. One heating oil UST was also present but there is no record that it was removed or properly abandoned.

The remaining sites are categorized as Low Risk or No Risk.

There are numerous old houses and commercial buildings in the contamination study area; these may contain asbestos-containing materials (ACM) and/or lead-based paint (LBP). After the preferred alternative is selected, ACM and LBP surveys will need to be conducted on any of these structures that would require demolition.

This Contamination Screening Evaluation Report (CSER) is the only document being presented for the contamination evaluation for the corridor. Level II testing has not been conducted to date but may be done in the future in accordance with the Recommendations section of this report.

TABLE OF CONTENTS

	EXECUTIVE SUMMARY	1
1.0	PROJECT SUMMARY	4
1.1	INTRODUCTION.....	4
2.0	PROJECT DESCRIPTION	5
2.1	PURPOSE	6
2.2	NEED	6
2.3	TRAFFIC DEMAND AND CAPACITY	6
2.4	SAFETY	7
2.5	SOCIAL DEMANDS OR ECONOMIC DEVELOPMENT	7
2.6	MODAL INTERRELATIONSHIPS	8
2.7	COMMITMENTS.....	9
3.0	PROJECT ALTERNATIVES	9
3.1	DESCRIPTION OF VIABLE ALTERNATIVES.....	11
4.0	METHODOLOGY	14
5.0	LAND USES.....	18
6.0	HYDROLOGIC FEATURES.....	20
6.1	REGIONAL GEOLOGY.....	20
6.2	REGIONAL HYDROGEOLOGY	23
6.3	SURFACE WATERS AND DRAINAGE.....	25
7.0	INTERVIEWS AND HISTORICAL RECORDS.....	27
7.1	INTERVIEWS.....	27
7.2	HISTORICAL AERIAL REVIEW.....	27
7.3	HISTORICAL TOPOGRAPHIC MAPS	29
7.4	FIRE INSURANCE MAPS	29
8.0	PROJECT IMPACTS	30
9.0	CONCLUSION	41
10.0	RECOMMENDATIONS	42

LIST OF FIGURES

FIGURE 1	PROJECT LOCATION MAP	4
FIGURE 2	ALTERNATIVE 1 - CONVENTIONAL INTERSECTION	11
FIGURE 3	ALTERNATIVE 2 - ONE-WAY PAIR	12
FIGURE 4	ALTERNATIVE 7 - DISPLACED LEFT TURN	13
FIGURE 5	ALTERNATIVE 8 - MEDIAN U-TURN WITH ROUNDABOUT	14
FIGURE 6	CONTAMINATION STUDY AREA	15
FIGURE 7	LAND USE MAP	19
FIGURE 8	SOIL MAP.....	22
FIGURE 9	PUBLIC WATER SUPPLY WELLS.....	24
FIGURE 10	DRAINAGE BASINS	26
FIGURE 11	POTENTIAL CONTAMINATION MAP	32

LIST OF TABLES

TABLE 1	SOIL TYPES	21
TABLE 2	HISTORIC AERIAL REVIEW.....	28
TABLE 3	POTENTIAL CONTAMINATION SITES	30
TABLE 4	NUMBER OF POTENTIALLY CONTAMINATED SITES PER ALTERNATIVE.....	31

APPENDICES

APPENDIX A	POND SITE CONCEPTS
APPENDIX B	SOIL SURVEY REPORT
APPENDIX C	SITE PHOTOS
APPENDIX D	FIRE INSURANCE MAPS, TOPOGRAPHIC MAPS, AND HISTORIC AERIALS
APPENDIX E	SITE-SPECIFIC DETAILS
APPENDIX F	DATABASE SEARCH RESULTS AND RADIUS MAP REPORT

1.0 PROJECT SUMMARY

1.1 Introduction

The Florida Department of Transportation (FDOT), District Four, is conducting a Project Development and Environment (PD&E) Study for improvements to SR 5/US 1 at Aviation Boulevard in the City of Vero Beach, Indian River County, Florida.

This CSER evaluates each property within, adjacent to, and in the vicinity of, the proposed project. See **Figure 1** for a Project Location Map.



Figure 1. Project Location Map

This map illustrates the major roadways and vicinity of the PD&E Study. The study area for the contamination screening is based on the extents of the build alternatives plus appropriate buffer zones as described in Section 4.

East of SR 5/US 1, Aviation Boulevard becomes 32nd Street.

2.0 PROJECT DESCRIPTION

The project intersection of SR 5/US 1 and Aviation Boulevard is located within the urbanized area of the City of Vero Beach in Indian River County, Florida. This is a 4-legged, signalized intersection that accommodates the FEC Railroad crossing on the eastbound approach. The FEC Railroad, which is part of the Strategic Intermodal System (SIS) Railroad Corridor, includes double-tracks running north-south parallel to SR 5/US 1 on the west side. Pedestrian crosswalks are provided on the northbound and westbound approaches of the intersection. There are no dedicated bicycle facilities. Nearby landmarks include Vero Beach Regional Airport, Cleveland Clinic Indian River Hospital and Indian River Medical Center, and downtown Vero Beach. The intersection is near a Runway Protection Zone (RPZ) of the Vero Beach Regional Airport.

The project proposes operational and capacity improvements to the intersection of SR 5/US 1 and Aviation Boulevard/32nd Street. Various alternatives were considered during the PD&E study, which include grade-separated crossings over the FEC Railroad. Additional features were considered such as multi-modal improvements. To account for potential grade separation and other solutions that address the purpose and need, the north-south limits of the PD&E study extend beyond the intersection along US 1 between 21st Street and 41st Street (approximately 2 miles). The west limits extend along Aviation Boulevard between 27th Avenue and US 1 (approximately 1 mile). The east limits include the area east of SR 5/US 1 to 13th Avenue.

SR 5/US 1 constitutes the north and south approaches of the intersection, as a four-lane divided facility with a painted center turn-lane, curb and gutter on both sides, and a sidewalk on the east side. SR 5/US 1 has a functional classification of Urban Principal Arterial Other and a context classification of C4 Urban General since there are mostly non-residential land uses along the corridor with residential neighborhood connections. Indian River County has designated SR 5/US 1 corridor as a hurricane evacuation route.

At the eastbound approach of the intersection, Aviation Boulevard crosses the FEC Railroad. This is a 2-lane undivided roadway with no pedestrian facilities. Aviation Boulevard has a functional classification of Urban Minor Arterial and a context classification of C3 Commercial due to the non-residential land uses.

32nd Street forms the westbound approach of the intersection as a local 2-lane undivided street serving limited commercial and residential properties.

2.1 Purpose

The primary purpose of the project is to evaluate intersection improvement solutions to address existing and projected traffic demands, improve safety, support economic growth, and enhance modal interrelationships with rail, bicycle, and pedestrian modes.

2.2 Need

The project is listed in the Indian River Metropolitan Planning Organization's (MPOs) 2045 Long Range Transportation Plan (LRTP) Cost Feasible Plan Projects as project ID 2 as a "New Interchange" with an implementation timeframe between 2036 to 2045. This project is also listed as Priority Project #6 in the MPOs 2021/2022 Priority Projects Report. The project is programmed for funding for Preliminary Engineering (PE) phase in the Transportation Improvements Program (TIP) and the State Transportation Improvement Plan (STIP). The project is planned for funding for the right-of-way (ROW) and construction phases according to the 2045 LRTP.

2.3 Traffic Demand and Capacity

According to the Indian River County MPO 2021 Priority Projects Report, the intersection is currently failing or nearly failing during peak periods and in peak directions.

As part of this PD&E study, FDOT District 4 developed, under a separate study, the Traffic Forecasting Memorandum – SR 5/US 1 at Aviation Boulevard PD&E Support, dated November 2, 2021. The Efficient Transportation Decision Making (ETDM) traffic forecasting section is updated as follows.

The SR 5/US 1 at Aviation Blvd intersection operates in year 2021 at Level of Service (LOS) C/D in the AM/PM peak periods. With the eastbound and westbound approaches operating at LOS E or F for both periods, with the eastbound queue length exceeding the available storage.

The future No-Build (without improvements) condition shows the 2045 traffic demand increasing due to population and employment growth as well as planned capacity improvements in the immediate network; therefore, conditions are expected to degrade at this intersection without improvements.

According to the analysis forecast developed from the Treasure Coast Regional Planning Model (TCRPM), the Annual Average Daily Traffic (AADT) is projected to increase 61% between the years 2021 and 2045. Along SR 5/US 1 south of Aviation Boulevard, No-Build traffic volumes are projected to increase from 26,500 to 42,600 AADT for the analysis years 2021 and 2045, respectively. To the north of Aviation Boulevard,

SR 5/US 1 traffic volumes will increase from 34,200 to 55,000 AADT. Along Aviation Boulevard, the increase is from 12,000 to 19,300 AADT.

The SR 5/US 1 at Aviation Blvd intersection operation will degrade to LOS F in the year 2045 for the No-Build condition with delay reaching 135/156 seconds per vehicle for the AM/PM peak periods. With the eastbound and westbound approach LOS F reaching delays ranging from 206/135 seconds of delay per vehicle, with the eastbound queue length exceeding the available storage by 169%.

The Aviation Boulevard extension project, which is a separate nearby project, has construction funds committed in the Fiscal Year 2023/2024 according to the Indian River County Capital Improvement Element adopted in December 2020. The project will replace the westbound approach of the intersection with a new road that extends Aviation Boulevard to the east from US 1 to 41st Street. According to the Indian River County MPO 2045 LRTP, other planned nearby capacity improvements include widening of Aviation Boulevard from 2 to 4 lanes, from 27th Avenue to the subject intersection with SR 5/US1. These projects will increase the traffic demand at the subject intersection.

2.4 Safety

The 2021 Florida Strategic Highway Safety Plan (FSHSP) has identified intersections as an emphasis area while rail crossings are an evolving emphasis area. A historical crash evaluation of the intersection of SR 5/US 1 and Aviation Boulevard revealed a total of 54 crashes observed over a five-year period between 2016 and 2020. Approximately 23% of these crashes resulted in injuries. The majority of these crashes were rear end at approximately 42% followed by sideswipe at 26% and left turn crashes at 15%. These types of crashes may be correlated to congested conditions at the intersection. One crash involved an FEC Railroad train which was struck by a vehicle and resulted in injury. Two crashes involved the FEC Railroad crossing gate. The existing facility's safety performance crash rate was calculated at 0.92 which is significantly higher than the Statewide crash rate of 0.53 and the Districtwide crash rate of 0.34. This indicates a potential safety concern. The SR 5/US 1 corridor has been designated by Indian River County as an evacuation route.

2.5 Social Demands or Economic Development

According to the Indian River County MPO 2045 LRTP, the County's population is projected to grow 41% between the year 2015 to 2045 (143,326 population in 2015 to 201,839 in 2045). Similarly, the employment is projected to grow 24% (76,386 employed during 2015 to 94,626 in 2045).

The City of Vero Beach Comprehensive Plan (April 2018) shows existing undeveloped lands along SR 5/US 1 in the vicinity of the intersection with Aviation Boulevard. The

Future Land Use Map (more fully described in Section 5) presents a transformation of this area with mixed-use development, commercial, mixed residential, and residential medium. This indicates potential land development growth in the immediate area of the project.

Based on the Indian River County Comprehensive Plan, the Indian River County/City of Vero Beach Enterprise Area includes an area from SR 5/US 1 as the eastern boundary, 43rd Avenue as the western boundary, 53rd Street as the northern boundary, and Atlantic Boulevard as the southern boundary. The Enterprise Area encourages economic growth and investment through tax incentives which may increase traffic demand in the area.

The Vero Beach Regional Airport Master Plan includes an Airport Commercial Village and proposes to increase daily passenger traffic and identifies aircraft storage. Moreover, the master plan forecasts an annual average growth rate for aircraft operations at 1.5% indicating an increase in air traffic to/from the airport.

2.6 Modal Interrelationships

The intersection of SR 5/US 1 and Aviation Boulevard currently serves numerous modes of transportation, including: vehicles, pedestrians (sidewalks and crosswalks), transit, and the FEC Railroad crossing at the eastbound approach of the intersection. Based on the 2021 transit system map Indian River County's transit system, GoLine, includes three bus routes along SR 5/US 1 and one route along Aviation Boulevard. In addition, the Vero Beach Regional Airport is located directly northwest of the intersection with direct access along Aviation Boulevard.

The existing bicycle and pedestrian network are limited in the vicinity of the project. There are no bicycle lanes and sidewalks are only present on the east side of SR 5/US 1. Guided by the 2015 Bicycle and Pedestrian Plan, the Indian River MPO 2045 LRTP proposes new sidewalks and bicycle facilities in conjunction with roadway improvement projects along Aviation Boulevard between SR 5/US 1 and 43rd Avenue which is the entire southern boundary of the Vero Beach Regional Airport. The plan also proposes a new bicycle facility along SR 5/US 1 north of Aviation Boulevard which supports a vision to have a bicycle facility along most SR 5/US 1 within the County.

The Indian River MPO 2045 LRTP, which is based on the Indian River County Transit Development Plan (TDP), presents several transit needs in the immediate area of the intersection of SR 5/US 1 including a potential bus shelter at the intersection, new/modified route service along SR 5/US 1, and improved route operations along Aviation Boulevard.

The FEC Railroad, which is parallel and abutting west of SR 5/US 1, is part of the FDOT SIS. According to the Indian River MPO 2045 LRTP, a performance evaluation goal is to enhance the FDOT SIS by constructing a flyover at the FEC Railroad at the intersection of SR 5/US 1 and Aviation Boulevard (Objective 1.04, Policy 1.04.1, and Performance Indicator 1.041.1).

In 2016, the Vero Beach Regional Airport released their master plan that identified numerous needs such as an “Airport Commercial Village” along Aviation Boulevard which would function as a key commercial district. In addition, the plan describes improvements to Aviation Boulevard which is the gateway and primary access to the Airport.

2.7 Commitments

No commitments related to contamination have been identified at this time.

3.0 PROJECT ALTERNATIVES

Eight alternatives were initially considered for this intersection design. They are listed and described below.

Alternative 1 - Conventional Intersection: This alternative expands Aviation Boulevard and the railroad grade crossing to provide four eastbound lanes (1 right, 1 through, 2 lefts), a median separator and two (2) westbound through lanes. Access to Airport N. Drive is provided at grade. A shared use path would be along the south side of Aviation Blvd. US 1 is expanded to provide northbound dual left turns and southbound dual right turns.

Alternative 2 - Twin Intersections (One-way Pairs): This alternative expands Aviation Boulevard and the railroad grade crossing to provide four eastbound lanes (1 right, 1 through, 2 lefts), a median separator and two (2) westbound through lanes. A shared use path would be along the south side of Aviation Blvd. Access to Airport N. Drive is provided at grade. Northbound US 1 shifts eastward to provide a one-way pair with twin intersections.

Alternative 3 - US 1 Overpass Alternative: This alternative expands Aviation Boulevard and the railroad grade crossing to provide four eastbound lanes (1 right, 1 through, 2 lefts), a median separator and two (2) westbound through lanes. A shared use path would be along the south side of Aviation Blvd. Access to Airport N. Drive is provided at grade. US 1 is expanded to include a four-lane overpass over Aviation Boulevard for the US 1 northbound and southbound through lane movement. The US 1 overpass is outside of the RPZ and below the 40:1 flight surface with 25.8 ft of clearance between the bridge profile and flight surface.

Alternative 4 - Aviation Boulevard Overpass (without railroad grade crossing): This alternative provides a four-lane overpass to move all Aviation Boulevard traffic over the railroad and US 1 without a signalized intersection and without an FEC railroad crossing. Access to Airport N. Drive is provided at grade. The Aviation Boulevard overpass embankment is within the RPZ and below the 40:1 flight surface with 17.8 ft of clearance between the bridge profile and flight surface. This alternative removes congestion on Aviation Boulevard within the RPZ because the traffic signal is located 1200 feet east of US 1. Aviation Boulevard would operate as free flow without stoppage within the RPZ.

Alternative 5 - Aviation Boulevard Underpass (without railroad grade crossing): This alternative depresses Aviation Boulevard under the FEC railroad tracks and US 1 with two eastbound and two westbound lanes. The existing railroad grade crossing is removed. Two new bridge structures would be required to carry the FEC railroad and for the US 1 roadway above the underpass. This alternative would have an open-cut section within the RPZ. Access to Airport N. Drive may require a reroute to the east to cross over the depressed roadway and connect back to Aviation Boulevard from the southside at a location west of the existing Airport N. Drive intersection. This alternative would operate in free flow traffic conditions within the RPZ.

Alternative 6 - Aviation Boulevard Overpass (with railroad grade crossing): This alternative carries the east-west through lanes over US 1 and the FEC railroad tracks with an at grade railroad crossing for turning movements and a signalized intersection at US 1. The access to Airport N. Drive is modified to a westbound right turn, southbound right turn access with a U-turn below the overpass to access Airport N. Drive from the west. Evaluation to modify the overpass profile to match Alternative 4 may be obtained to provide full access to Airport N. Drive. The Aviation Boulevard overpass embankment is within the RPZ and below the 40:1 flight surface with 17.8 ft of clearance between the bridge profile and flight surface.

Alternative 7 - Displaced Left Turn (DLT): This alternative deflects the northbound US 1 left turn to the west side of the US 1 ROW via a signalized directional median and a two-lane, two-way parallel roadway that is separated from US 1 by a concrete separator. This two lane parallel roadway also allows the eastbound to southbound right turn to utilize the DLT signalized intersection. This alternative is similar to Alternative 1 as it expands Aviation Boulevard and the railroad grade crossing to provide four eastbound lanes (1 right, 1 through, 2 lefts), a median separator and two (2) westbound through lanes. Access to Airport N. Drive is provided at grade. A shared use path would be along the south side of Aviation Blvd.

Alternative 8 - Median U-Turn with Roundabout: This alternative incorporates a roundabout and quadrant road to provide for the northbound to westbound left turn and

the eastbound to northbound left turn. The US 1 northbound left turns are directed east via a dual right turn to the roundabout to U-Turn and proceed west through the US 1 and Aviation Boulevard intersection. The Aviation Boulevard eastbound left turns are directed east through the US 1 intersection and use the roundabout to turn left onto quadrant road, then turn right at the US 1 and quadrant road intersection to complete the movement. The US 1 southbound left turns are moved to the directional signalized intersection at quadrant road. This alternative expands Aviation Boulevard and the railroad grade crossing to provide three eastbound lanes (1 right, 2 through), a median separator and two (2) westbound through lanes. Access to Airport N. Drive is provided at grade. A shared use path would be along the south side of Aviation Blvd.

3.1 Description of Viable Alternatives

Alternatives 1, 2, 7, & 8 (**Figures 2 through 5**) were designated as the viable alternatives that will be carried forward for further analysis.

Potential pond site locations for these viable alternatives are in **Appendix A**.

Alternative 1 - Conventional Intersection: This alternative expands Aviation Boulevard and the railroad grade crossing to provide four eastbound lanes (1 right, 1 through, 2 lefts), a median separator and two (2) westbound through lanes. Access to Airport N. Drive is provided at grade. A shared use path would be along the south side of Aviation Blvd. US 1 is expanded to provide northbound dual left turns and southbound dual right turns.

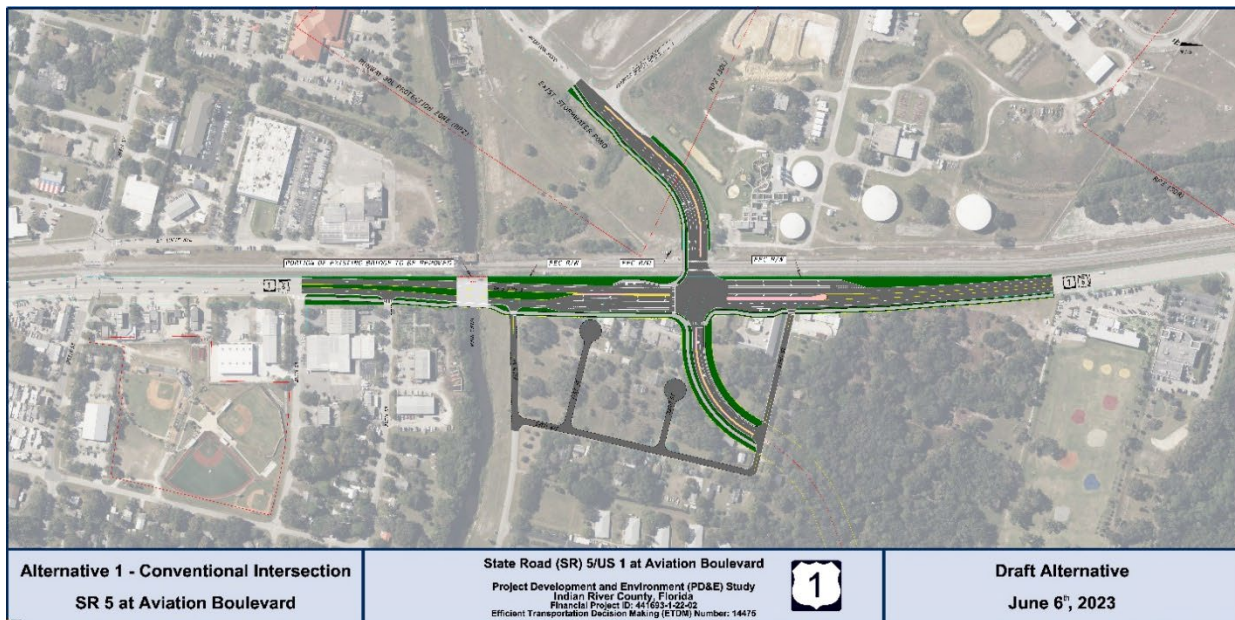


Figure 2. Alternative 1 – Conventional Intersection

Alternative 2 - Twin Intersections (One-way Pairs): This alternative expands Aviation Boulevard and the railroad grade crossing to provide four eastbound lanes (1 right, 1 through, 2 lefts), a median separator and two (2) westbound through lanes. A shared use path would be along the south side of Aviation Blvd. Access to Airport N. Drive is provided at grade. Northbound US 1 shifts eastward to provide a one-way pair with twin intersections.

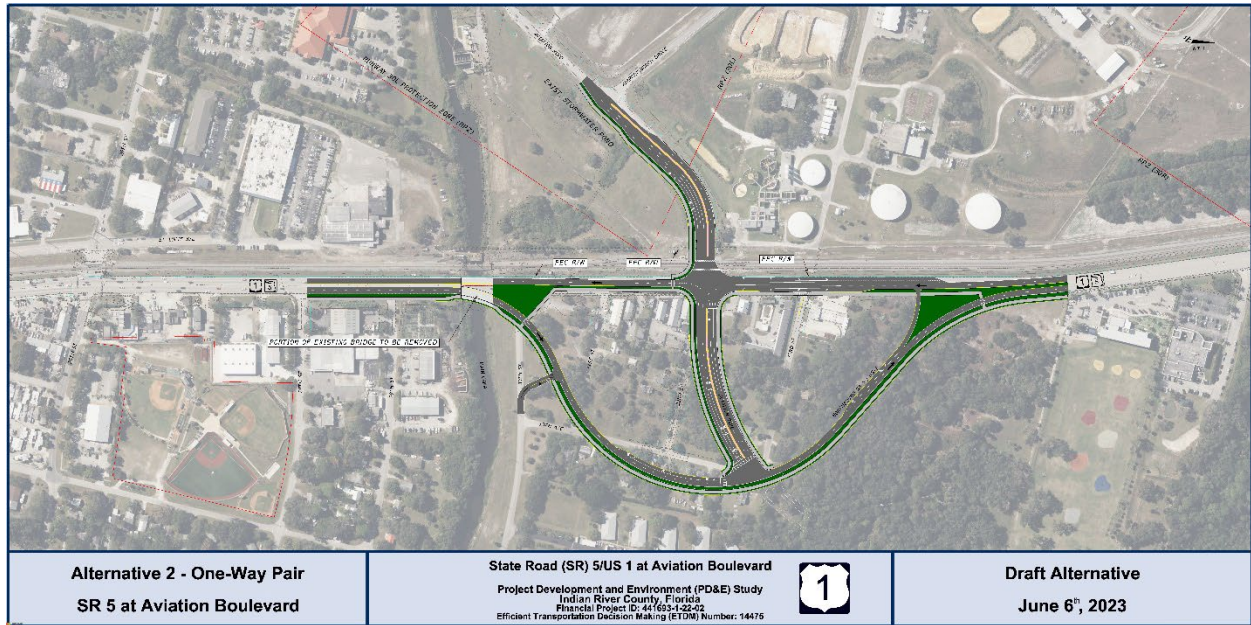


Figure 3. Alternative 2 – One-Way Pair

Alternative 7 - Displaced Left Turn (DLT): This alternative deflects the northbound US 1 left turn to the west side of the US 1 ROW via a signalized directional median and a two-lane, two-way parallel roadway that is separated from US 1 by a concrete separator. This two lane parallel roadway also allows the eastbound to southbound right turn to utilize the DLT signalized intersection. This alternative is similar to Alternative 1 as it expands Aviation Boulevard and the railroad grade crossing to provide four eastbound lanes (1 right, 1 through, 2 lefts), a median separator and two (2) westbound through lanes. Access to Airport N. Drive is provided at grade. A shared use path would be along the south side of Aviation Blvd.

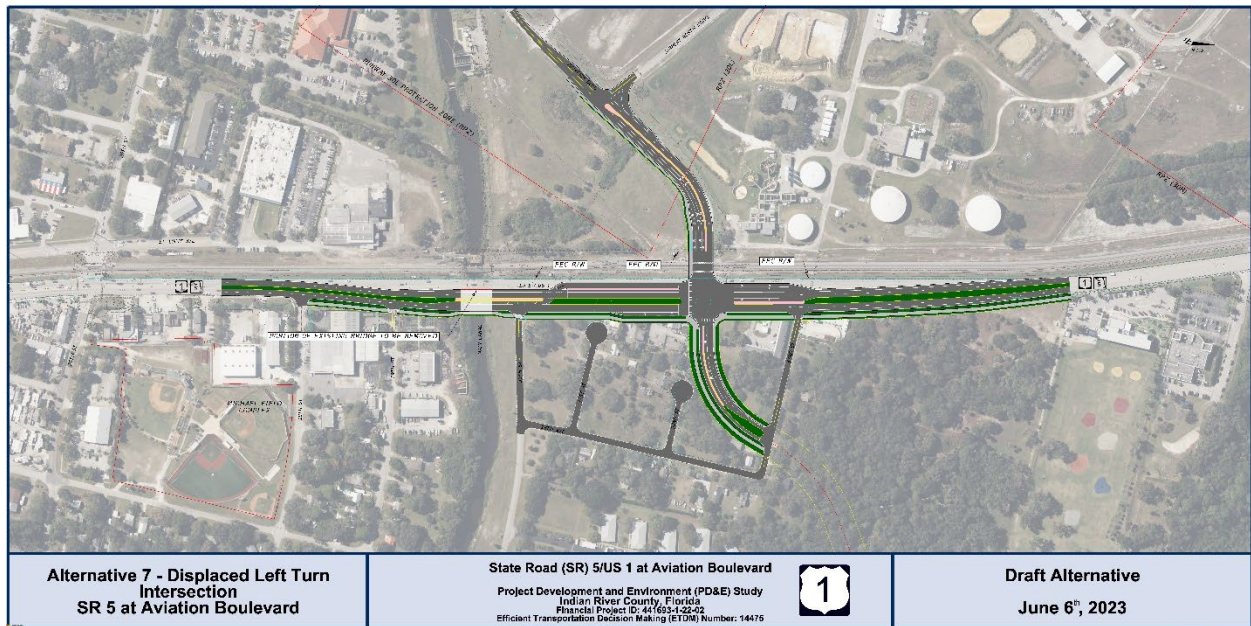


Figure 4. Alternative 7 – Displaced Left Turn

Alternative 8 - Median U-Turn with Roundabout: This alternative incorporates a roundabout and quadrant road to provide for the northbound to westbound left turn and the eastbound to northbound left turn. The US 1 northbound left turns are directed east via a dual right turn to the roundabout to U-Turn and proceed west through the US 1 and Aviation Boulevard intersection. The Aviation Boulevard eastbound left turns are directed east through the US 1 intersection and use the roundabout to turn left onto quadrant road, then turn right at the US 1 and quadrant road intersection to complete the movement. The US 1 southbound left turns are moved to the directional signalized intersection at quadrant road. This alternative expands Aviation Boulevard and the railroad grade crossing to provide three eastbound lanes (1 right, 2 through), a median separator and two (2) westbound through lanes. Access to Airport N. Drive is provided at grade. A shared use path would be along the south side of Aviation Blvd.

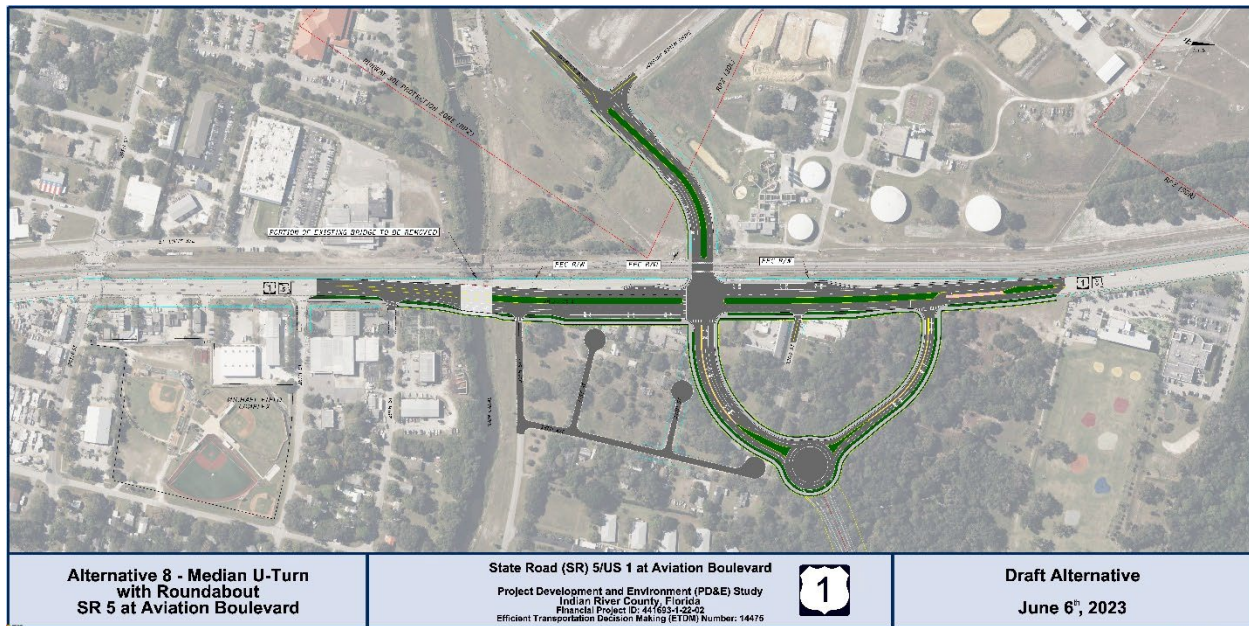


Figure 5. Alternative 8 – Median U-Turn with Roundabout

4.0 METHODOLOGY

A preliminary (Level I) evaluation was conducted to determine potential contamination issues within and near the project alternatives. The contamination study area (**Figure 6**) encompasses the existing ROW plus possible ROW acquisition areas and possible stormwater pond sites that might be needed for any of the project alternatives. The contamination study area also includes surrounding buffer zones of properties within 500 feet, non-landfill solid waste sites within 1000 feet, and Superfund and landfill sites within ½ mile of the possible ROW acquisition areas and possible stormwater pond sites.



Figure 6. Contamination Study Area

Yellow lines correspond to the maximum extents of areas of possible improvements for any and all of the project alternatives (e.g., roadway improvements and possible stormwater ponds). The contamination study area includes buffers around these areas.

Sites found to have a history of contamination, or to house hazardous substances or petroleum products, were evaluated for potential contamination involvement within the project alternatives and a degree of risk was assigned for each site. The evaluation consisted of the following tasks:

1. The identification of facilities permitted to handle, store, or generate hazardous substances and sites with documented contamination within the contamination study area through the review of the Geographic Information Systems (GIS) databases of various Federal, State, and local regulatory agencies. The GIS layers reviewed include, but are not limited to: the United States Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA) Regulated Facilities; EPA Superfund/Comprehensive Environmental Response, Compensation, and Liability Act Sites (CERCLA); Florida Department of Environmental Protection (FDEP) Dry Cleaning Program Sites; FDEP Petroleum Contamination Monitoring Sites; FDEP Contamination Locator Map; FDEP Large Quantity Generators of Hazardous Waste; Brownfield Areas; FDEP Storage Tank Contamination Monitoring (STCM) sites; FDEP Solid Waste Facilities; FDEP Institutional Controls Registry; FDEP Treatment, Storage, and Disposal (TSD) facilities of Hazardous Waste; and FDEP Compliance and Enforcement Tracking sites. Data collection from the GIS databases provide basic facility information including addresses, permit/discharge identification (ID) numbers, and cleanup status. Additionally, a database search by Environmental Data Resources Inc. (EDR) was conducted to review government records; the EDR report is included as **Appendix F**.
2. Site history investigations were conducted in July 2023 by reviewing documentation available within Federal, State, and local regulatory agency online databases for each facility identified as a potential contamination concern. The online databases reviewed include the EPA Superfund Enterprise Management Site (SEMS), which includes all sites listed or being considered for listing on the National Priorities List (NPL), Indian River County records, and the FDEP Oculus and FDEP Map Direct data management systems.
3. Historical aerials obtained from EDR, Google Earth, and the County property appraiser's website were studied to evaluate the corridor's progression of development and to identify potential contamination sites predating or unrecorded in available agency records. This also included a review of vacant lands. Historical aerials for the following years were found and reviewed: 1943, 1951, 1957, 1968, 1970, 1974, 1984, 1994, 1999, 2003, 2004, 2005, 2006, 2007, 2008, 2010, 2012, 2015, 2016, 2018, 2019, 2020, 2021, and 2022.

Selected representative historical aerial photographs are presented in **Appendix D** and **Appendix E**.

4. Historical topographic maps and Sanborn fire insurance maps were reviewed to obtain information on past land uses. See Sections 7.3 and 7.4.
5. A field survey was conducted on July 13, 2023 to verify information obtained from the public and regulatory agency records and to identify additional potential contamination sites not addressed in the public records.

An evaluation of all data collected for each site was used to determine the site's potential degree of risk (No, Low, Medium, High) for contamination involvement with the project.

Risk ratings were assigned in accordance with Part 2, Chapter 20, Section 2.2.4 (January 14, 2019) of the FDOT PD&E Manual. The contamination rating system is divided into four degrees of risk: No, Low, Medium, and High. This system expresses the degree of likelihood for potential contamination problems that may impact project construction.

No. 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 had been handled on the property. However, findings from the Level I evaluation or sampling and testing results indicate that contamination impacts are not expected.

Low. 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 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. 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 make a determination 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.

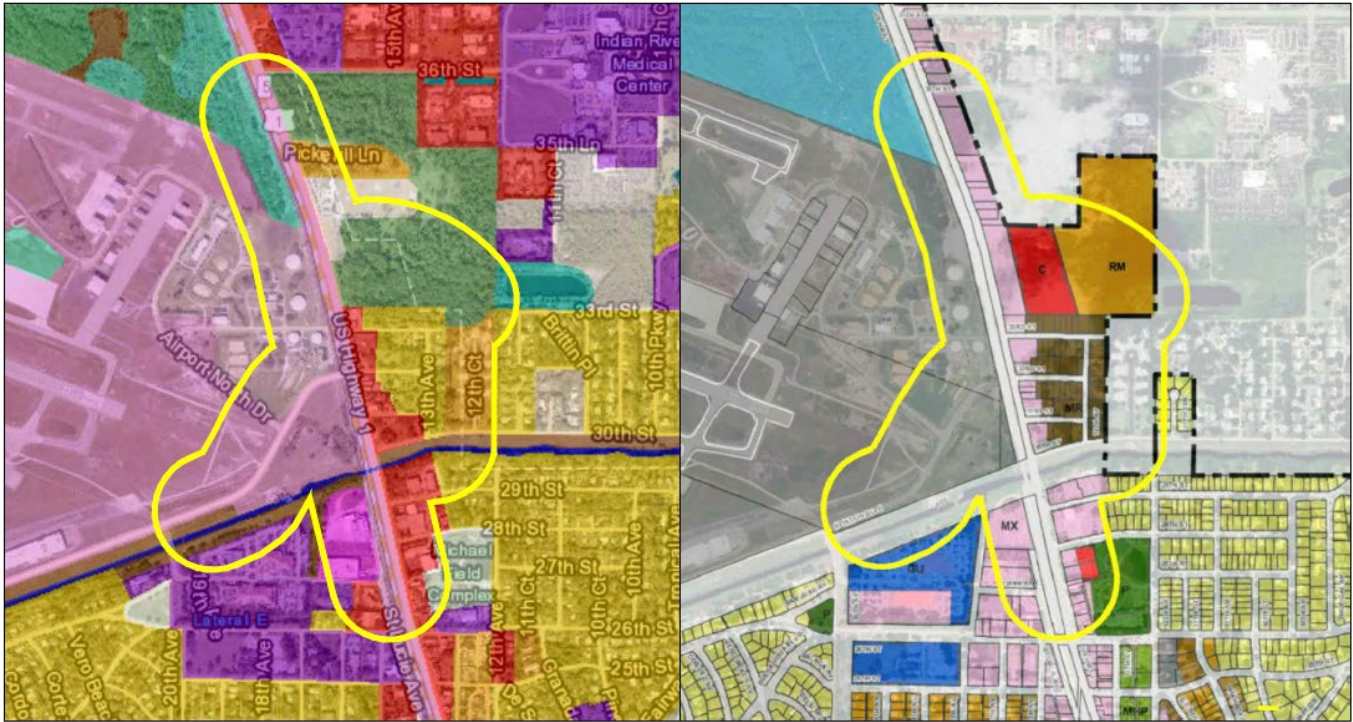
High. After a review of all available information and conceptual or design plans, there are appropriate analytical data that shows contamination will substantially impact construction activities, have implications to ROW acquisition, or have other potential transfer of contamination related liability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

5.0 LAND USES

Existing land use within the contamination study area were classified using the FDOT Florida Land Use, Cover, and Forms Classifications System (FLUCFCS), 3rd ed., January 1999 and were identified and mapped using publicly available GIS data provided by the South Florida Water Management District (SFWMD). See **Figure 7** for a Land Use Map. The predominant land uses in the contamination study area are airports, commercial and services, roads and highways, and food processing. Undeveloped areas within the contamination study area are herbaceous (dry prairie), shrub and brushland, and streams and waterways. All land uses, including vacant lands, within the contamination study area were reviewed on historical aerial photographs to search for potential contamination issues; this is described in Section 7.2.

CURRENT LAND USE MAP

FUTURE LAND USE MAP



SOURCE: MAP DIRECT, GOOGLE EARTH

PROJECT NAME: SR 5/US 1 at Aviation Boulevard
 PROJECT #: 441693-1-22-02
 DATE: 08/14/2023
 CREATED BY: CO
 CHECKED BY: JA

CURRENT AND FUTURE LAND USE MAP



Legend for Current Land Use Map

LEGEND	
	IT: Institutional
	I: Industrial
	SW: Streams and Waterways
	H: Herbaceous
	CS: Commercial and Services
	UMF: Upland Mixed Forest
	UT: Utilities
	VNW: Vegetated Non-Forested Wetland
	T: Transportation
	OL: Open Land
	RM: Residential Medium
	RH: Residential High
	R: Recreational
	500-ft Corridor Buffer

Legend for Future Land Use Map

LEGEND	
	C: Commercial
	CV: Conservation
	ES: Environmentally Significant
	GU: Government / Institutional / Public Use
	I: Industrial
	MHP: Mobile Home Park
	MR: Mixed Residential
	MX: Mixed Use
	P: Park
	RL: Residential Low
	RM: Residential Medium
	RH: Residential High
	500-ft Corridor Buffer

Figure 7. Land Use Map

For scale and reference, the 500-foot buffer zone of the contamination study area is shown.

6.0 HYDROLOGIC FEATURES

6.1 Regional Geology

According to the geologic map of the United States Geological Survey (USGS) Vero Beach 30 x 60 minute quadrangle (Green et al, 2021, Florida Geological Survey Open-File Map Series 112), the surficial geology is mapped as undifferentiated Quaternary sediments. These are fine- to coarse-grained, clean to clayey unfossiliferous sands, sandy clays, and clays with variable admixtures of organics. This is underlain by the Quaternary Anastasia Formation which is thicker near the coast and pinches out in the vicinity of US 1. The Anastasia Formation is interbedded coquinoid limestone and quartz sands. The base of the undifferentiated Quaternary sediments / Anastasia Formation is approximately 30 feet below land surface at the contamination study area. Beneath these shallow sediments are undifferentiated Tertiary / Quaternary shelly sediments of fine-to-medium quartz sand with variable amounts of micrite, silt, marine mollusk shells, and clay.

According to the U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) web soil survey, the predominant soil type along the roadways and near the potential stormwater ponds is Urban land, 0 to 2 percent slopes. This map unit represents areas where the natural soil profile has been disrupted or destroyed by human activity such as earthwork from land development. The predominant soil type within the 500-foot buffer zone of the contamination screening area is Myakka-Myakka, wet, fine sands, 0 to 2 percent slopes. This soil type generally consists of fine sand from ground surface to a depth of 80 inches. **Table 1** and **Figure 8** illustrate all soils within the 500-foot buffer zone of the contamination study area. **Appendix B** contains a complete description of each soil type.

Table 1. Soil Types

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5	Myakka-Myakka, wet, fine sands, 0 to 2 percent slopes	82.4	41.4%
8	Paola sand, 0 to 5 percent slopes	1.7	0.9%
11	St. Lucie sand, 0 to 8 percent slopes	16.1	8.1%
13	Wabasso-Wabasso, wet, fine sand, 0 to 2 percent slopes	7.7	3.9%
21	Pomello sand, 0 to 5 percent slopes	11.5	5.8%
22	Urban land, 0 to 2 percent slopes	59.4	29.9%
23	Arents, 0 to 5 percent slopes	14.6	7.3%
29	Immokalee-Urban land complex	1.9	1.0%
36	Cypress Lake-Cypress Lake, wet, fine sands, 0 to 2 percent slopes	0.1	0.0%
100	Waters of the Atlantic Ocean	3.4	1.7%
Totals for Area of Interest		198.8	100.0%

This table lists soils within the 500-foot buffer zone of the contamination study area (the area of interest [AOI]).

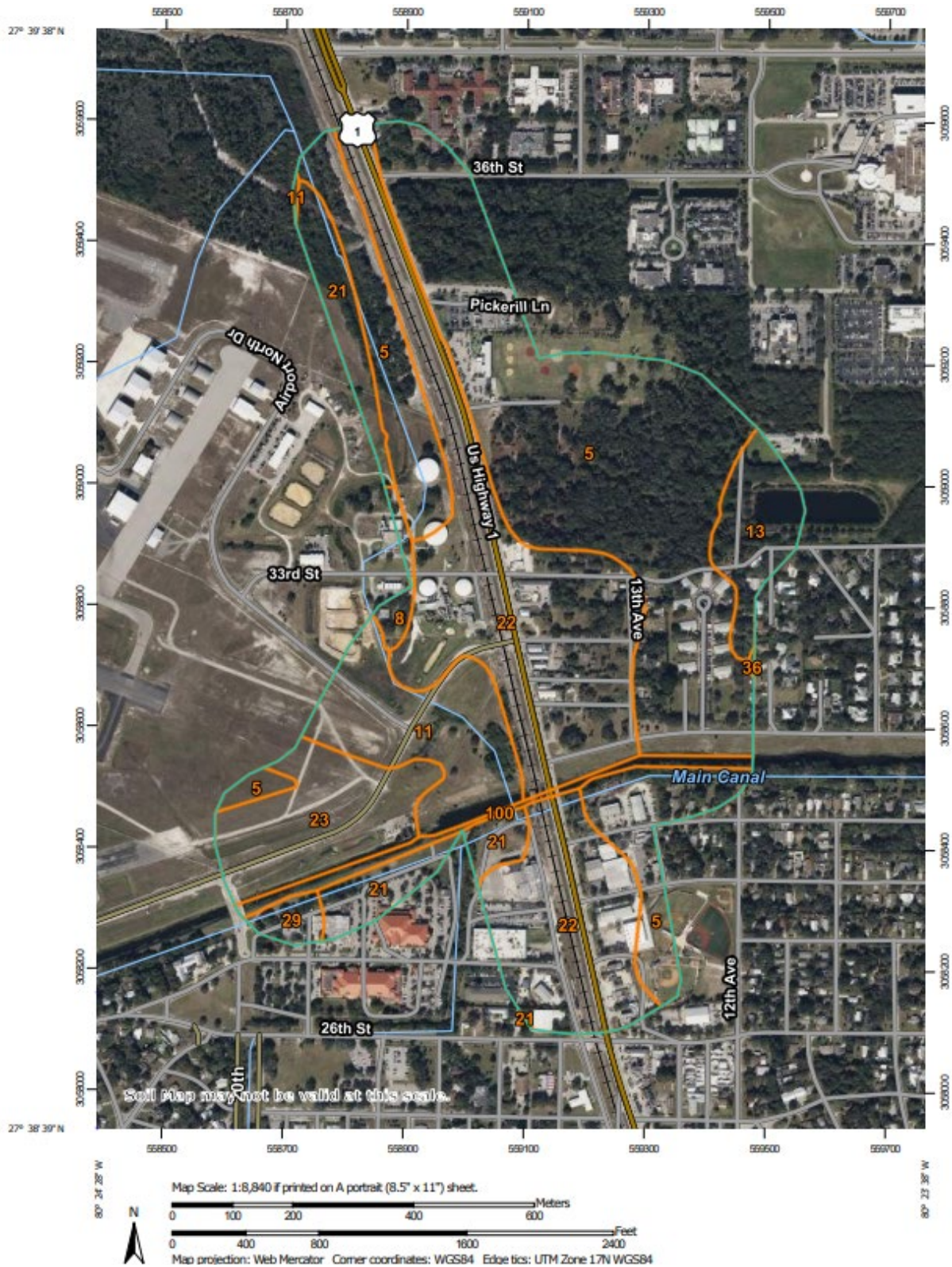


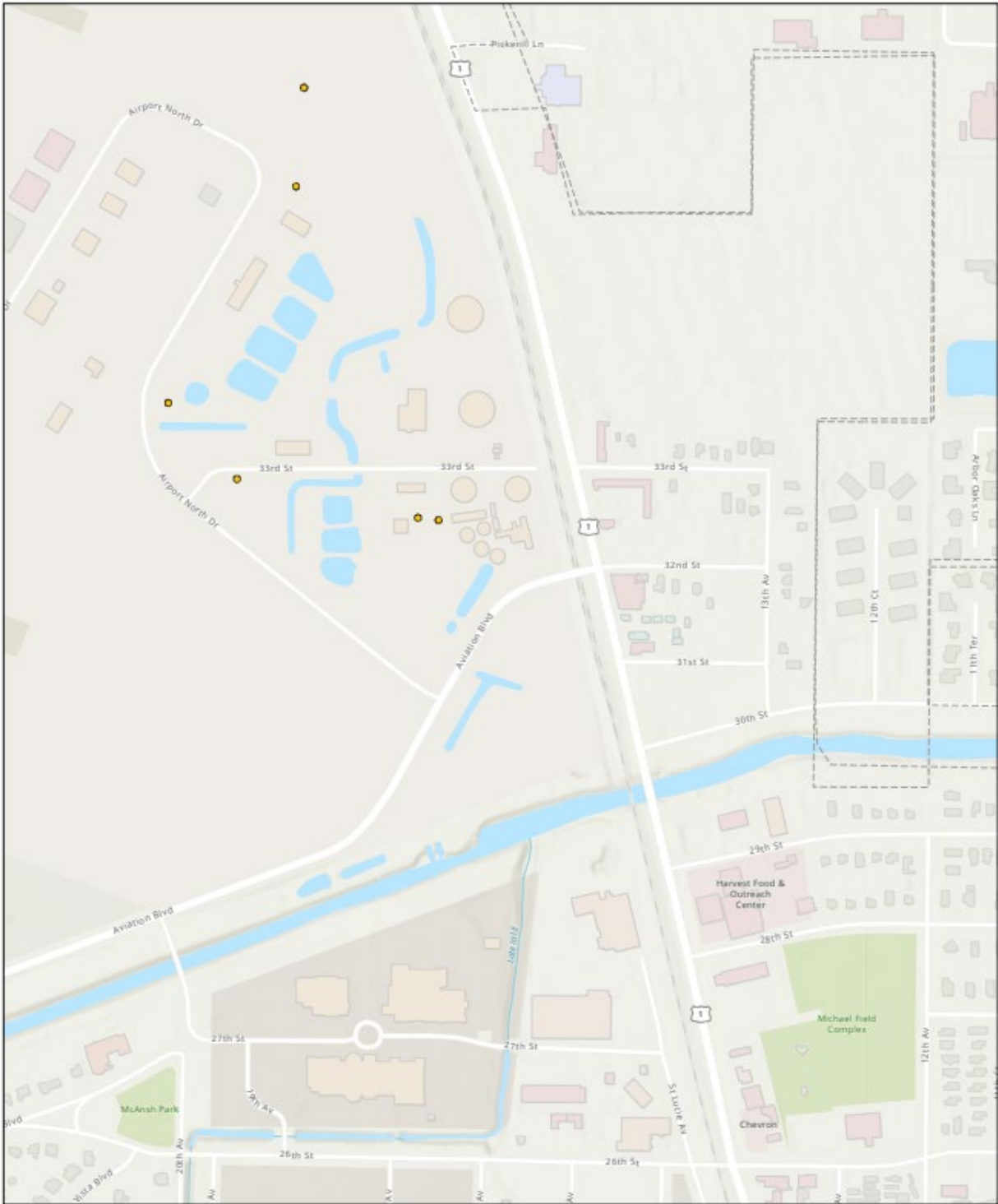
Figure 8. Soil Map

The mapped area is the 500-foot buffer zone of the contamination study area.
See Table 1 for map unit legend.

6.2 Regional Hydrogeology

According to assessment reports for the Vero Beach municipal airport (including but not limited to the Work Plan for the Site Inspection at the Former Vero Beach Naval Air Station, dated June 1997, prepared for the U.S. Army Corps of Engineers, filed in FDEP Map Direct under facility # ERIC_3799), the contamination study area overlies the surficial aquifer system. This is an unconfined aquifer system comprised of beach ridge, dune sediments, and undifferentiated shelly sediments. It is permeable and generally allows horizontal and vertical movement of groundwater. According to those reports, regional groundwater flow is to the southeast. The water table is nearly flat in most parts of the County; consequently, local groundwater flow direction can be highly variable. The groundwater monitoring reports from 2023 for the Vero Beach municipal airport indicate the seasonal high (wet season) for the water table is approximately 12 to 15 feet above mean sea level, and the seasonal low (dry season) is approximately 8 to 10 feet above mean sea level.

There are several public water supply wells near the City's water treatment plant northwest of the intersection of Aviation Boulevard and SR 5/US 1. The location of the wells is shown in **Figure 9**.



February 12, 2024

● Public Water Supply (PWS) Wells (Non-Federal)

1:4,514

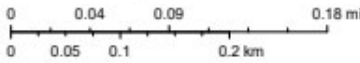


Figure 9. Public Water Supply Wells
Source: FDEP Map Direct

6.3 Surface Waters and Drainage

The Vero Beach Main Relief Canal is the major surface water body in the area. The canal is roughly parallel to Aviation Boulevard and 30th Street on the south sides of these roads. SR 5/US 1 crosses over the Main Relief Canal. The Main Relief Canal flows east and discharges into the Indian River Lagoon.

There are two effluent ponds along the north side of Aviation Boulevard between SR 5/US 1 and Airport Drive. These are associated with the water treatment plant.

There is a dry detention pond located on the south side of Aviation Boulevard. This dry detention pond discharges into the Main Relief Canal.

The project is situated within the Indian River Lagoon drainage basin. It is within the jurisdictional boundaries of the St. Johns River Water Management District and Indian River Farms Water Control District.

The existing roadway drainage system along SR 5/US 1 is comprised of “closed conveyance systems” where stormwater runoff is collected and conveyed via curb and gutter to inlets and underground pipes, ultimately discharging into the Main Relief Canal. The existing roadway drainage system along Aviation Boulevard is comprised of “open conveyance systems” where stormwater runoff sheet flows from the roadway into roadside ditches and an existing dry detention pond, ultimately discharging into the Main Relief Canal. There are no formal stormwater management facilities for the local roadways located east of SR 5/US 1. Runoff sheet flows into shallow roadside ditches and discharges into the groundwater by soil percolation. The project area is divided into five sub-basins that correspond to the existing drainage patterns. The five drainage basins are depicted in **Figure 10** and described below.

Basin 100 (550 feet west of Airport North Drive to SR 5/US 1 on Aviation Boulevard): The existing roadway consists of east, west through lanes and turn lanes at SR 5/US 1 and Airport North Drive. Runoff from the roadway sheet flows into roadside ditches and is conveyed to the Main Relief Canal. There is an existing dry detention pond located on the south side of Aviation Boulevard. This pond discharges into the Main Relief Canal.

Basin 200 (26th Street to Indian River Farms Main Relief Canal on SR 5/US 1): The existing roadway consists of two through lanes in each direction and with a center flush paved median for left turns. Runoff from the roadway sheet flows to curb inlets on either side of SR 5/US 1 and is conveyed to the Main Relief Canal. There are no existing stormwater management facilities on SR 5/US 1 and the roadway storm system directly discharges into the Main Relief Canal.

Basin 300 (Indian River Farms Main Relief Canal to Aviation Boulevard on SR 5/US 1): The existing roadway consists of two through lanes in each direction and with a center flush paved median for left turns. Runoff from the roadway sheet flows to curb inlets on either side of SR 5/US 1 and is conveyed to the Main Relief Canal. There are no existing stormwater management facilities on SR 5/US 1 and the roadway storm water directly discharges into the Main Relief Canal.

Basin 400 (Local roads; 30th Street, 31st Street, 32nd Street, 33rd Street and surrounding properties east of SR 5/US 1): The existing roadways consist of one through lane in each direction. Runoff sheet flows into shallow roadside ditches then discharges into the groundwater by soil percolation.

Basin 500 (Aviation Boulevard to approximately 1,500 feet west of Aviation Boulevard on SR 5/US 1): The existing roadway consists of two through lanes in each direction and with a center flush paved median for left turns. Runoff from the roadway sheet flows to curb inlets on either side of SR 5/US 1 and is conveyed to the Main Relief Canal. There are no existing stormwater management facilities on SR 5/US 1 and the roadway storm water directly discharges into the Main Relief Canal that ultimately flows into the Indian River Lagoon.

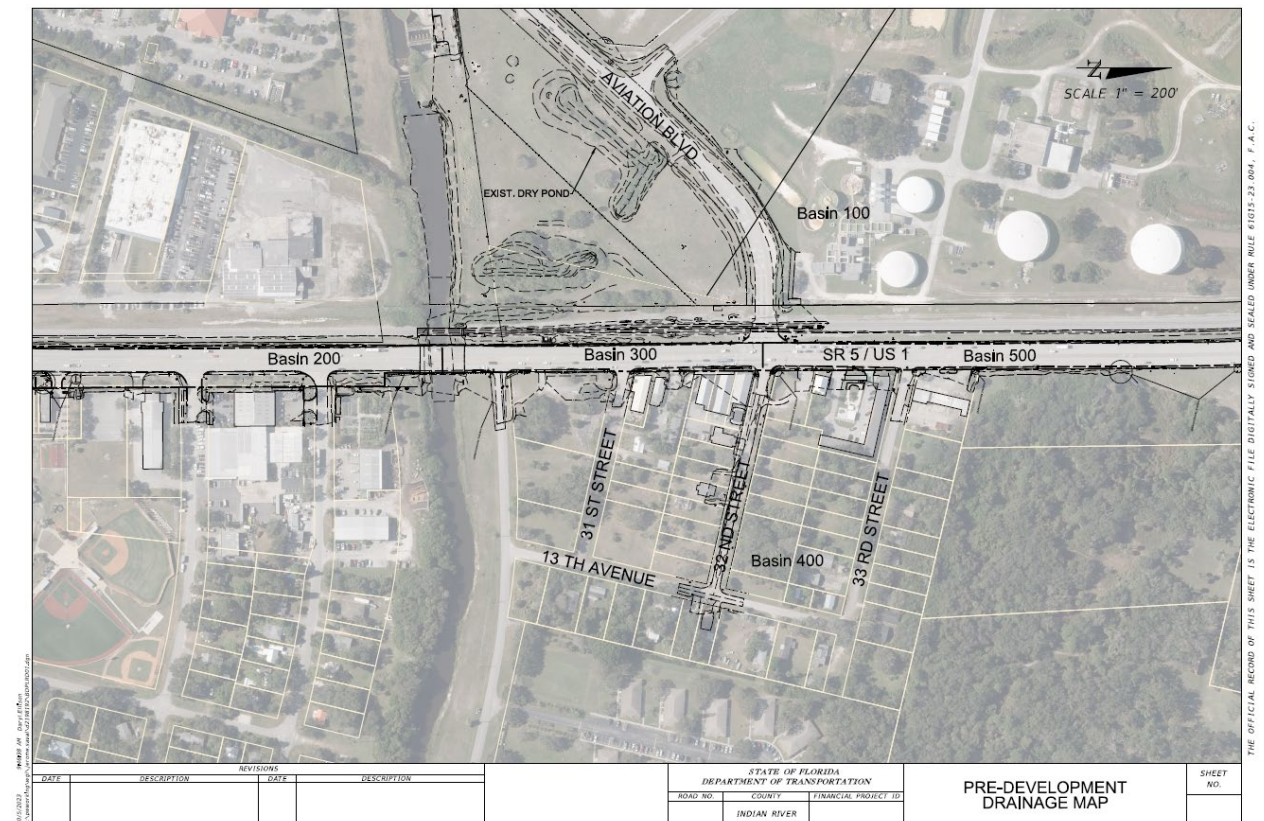


Figure 10. Drainage Basins

7.0 INTERVIEWS AND HISTORICAL RECORDS

7.1 Interviews

Interviews were conducted to discover additional information about potential contamination sites. The following interviews were conducted:

FDEP (Nikol Havranek, Engineering Specialist III) was contacted in January 2024 to help resolve the specific location of one of the potential contamination sites (Treasure Coast Oil / Tire Kingdom). Information from that interview is presented in Section 8.

The City of Vero Beach Water & Sewer Department (Arjuna Weragoda, Project Manager) was contacted in February 2024 to provide clarification on the operations of the City's water treatment plant. Information from that interview is presented in Section 8.

7.2 Historical Aerial Review

Historical aerials obtained from EDR, Google Earth, and the County property appraiser's website were studied to identify potential contamination sites predating or unrecorded in available agency records. This also included a review of vacant lands. **Table 2** contains a summary of the historical aerial review, and **Appendix D** and **Appendix E** contain selected representative historical aerial photographs.

Table 2. Historical Aerial Review

Year	Description
1943	The majority of the contamination study area was partially developed. Commercial businesses and residential homes are visible along the northeastern segment of SR 5/US 1 at Aviation Boulevard. To the west is the Vero Beach Naval Air station. A large building that appears to have been a part of a commercial operation existed east of the railroad along the southeastern segment of SR 5/US 1. A few apparent residential units were located south of the large building. Southwest of SR 5/US 1 was vacant land.
1951	By 1951 the Vero Beach Naval Air station was turned over to Vero Beach and became the Vero Beach Regional Airport, which lies west of SR 5/US 1. There were no changes to the northeastern portions of the corridor since the date of the previous historic aerial photograph. Additional land development, likely commercial buildings, were constructed to the southeast. To the southwest, a large commercial structure was built on a previously vacant property.
1957	No significant changes were identified since the date of the previous historic aerial photograph.
1968	Commercial development continued to expand throughout much of the southern portions of the corridor. Retail shops with marked parking spaces and large warehouses with tractor-trailer trucks are visible along the corridor. The Vero Beach water treatment facility was constructed to the northwest, adjacent west to SR 5/US 1.
1970	No significant changes were identified since the date of the previous historic aerial photograph.
1974	A large building with parking spaces was constructed to the southwest of the corridor. The remainder of the corridor exhibited no significant changes through the review of historic aerials.
1984	A large field-erected storage tank associated with the water treatment facility was relocated to the north and the facility underwent further expansion to the south. There are several commercial structures along the east side of SR 5/US 1 between 26 th St and 13 th Ave; one of these location at or near 2628 US 1 appears to have been a gas station or automobile repair shop. The remainder of the corridor showed no significant changes.
1994	The housing development of Orange Blossom Village was constructed. Apparent effluent discharge to linear pond along the north side of Aviation Blvd. Apparent wastewater discharge at Hogan & Sons Citrus Packers.
1999	Aviation Boulevard was constructed, connected to the southbound lane of SR 5/US 1. A gas station is evident at 2602 US 1; this is the location of the current Chevron. Otherwise, the remainder of the corridor does not indicate any signs of significant change since the date of the previous historic aerial photograph.
2003, 2004, 2005, 2006	Continued apparent effluent discharge to linear pond along the north side of Aviation Blvd. No other significant changes.
2007	Along the northernmost extent of the corridor mobile home units appeared to have been removed and replaced with a commercial building.
2008, 2010, 2012, 2015, 2016, 2018, 2019, 2020, 2021, &2022	Continued apparent effluent discharge to linear pond along the north side of Aviation Blvd. No other significant changes.

The following are the key findings of the aerial photograph review:

- There has been a gas station at 2602 US 1 from circa 1999 until the present; this is the location of the current Chevron (Map ID #13). There may have been another gas station circa 1984 at or near 2628 US 1 (Map ID #12). Both of these are further discussed in Section 8.
- No landfills are evident within the 0.5 mile buffer zone of the contamination study area.
- There appears to have been a wastewater effluent pond at the Hogan & Sons Citrus Packers (Map ID #9) which was west of the FEC railroad and south of the Main Relief Canal. This is further discussed in Section 8.
- There has been a linear pond (Map ID #2) on the north side of Aviation Boulevard and south of the City's water treatment plant. Aerial photographs (**Appendix E-2**) indicate this pond has variably colored water, apparent plumes, and has the appearance of having received effluent. This is further discussed in Section 8.

7.3 Historical Topographic Maps

Topographic maps can provide information on past uses of an area and, in some cases, can reveal topographic changes due to mining, landfilling, and similar large-scale activities. The following historical topographic maps were found and reviewed:

- USGS 7.5 minute quadrangle for Vero Beach dated 1949
- USGS 7.5 minute quadrangle for Vero Beach dated 1949 photorevised 1970
- USGS 7.5 minute quadrangle for Vero Beach dated 1949 photorevised 1983

The topographic maps indicate that there was a railroad spur south of the current position of Aviation Boulevard in 1949, 1970, and 1983. The maps indicate that there was an airport runway / taxiway at or near the current position of Aviation Boulevard in 1949, 1970, and 1983. The maps indicate that there was "sewage disposal" north of Aviation Boulevard in 1970 and 1983. Topographic maps are provided in **Appendix D**. Relevant information from the historical topographic maps is included in Section 8; in particular for Map ID #2.

7.4 Fire Insurance Maps

Fire insurance maps, many of which were created by the Sanborn® Map Company, were created as early as the 1860s. They were mainly designed to help fire insurance agents determine risks and establish premiums and to determine the amount of loss after a fire. The maps illustrate building construction, uses, and potential fire hazards such as storage tanks, and therefore can provide information on the potential presence of contamination.

There are fire insurance maps for many cities in the United States, Canada, and Mexico but they have generally only been created for historically urban areas.

The following fire insurance maps were found for this area: 1923 Vero Beach. The map only depicts the area south of the Main Relief Canal. It indicates that the FEC railroad and Dixie Highway (also known as Commerce Avenue and subsequently SR 5/US 1) were built sometime prior to 1923. The map also indicates that the northeast corner of SR 5/US 1 and 26th Street was the St. Lucie County Fairgrounds. The fire insurance map is provided in **Appendix D**. The fire insurance map does not provide any useful information about potential contamination sites.

8.0 PROJECT IMPACTS

The potential contamination sites are identified in **Table 3** and **Figure 11**. The Potential Contamination Sites table provides a summary of the evaluation for each site and the risk rating assignments. **Table 4** lists the number of potentially contaminated sites per alternative. Detailed descriptions of each site are discussed below.

Table 3. Potential Contamination Sites

Map ID	Facility Name	Address	Facility ID No.	Risk Rating	Soil/ Groundwater	Distance from Proposed Improvements	Potential Contamination Type	Reason for Risk Rating
1	FEC Railroad	Aviation Blvd at US 1	none	Medium	Soil / groundwater	0 ft from Aviation Blvd at the railroad crossing	Arsenic, chromium, copper, petroleum	Railroad bed with many years of use, and earthwork at the railroad bed is likely for each project alternative.
2	Vero Beach Water Treatment Plant	2515 Airport North Dr	FLR000140087	Medium	Soil / groundwater	25 ft north of Aviation Blvd	Sulfate, total dissolved solids, nitrogen, ammonia, acids, et al.	One or more ponds / ditches along Aviation Blvd have received effluent.
3	Sullivan Property	1360 29th St	9800758	Medium	NA	0 ft Adjoining US 1 to the east	Petroleum	USTs apparently removed circa 1998. No elevated soil vapor reported but no tank closure report with confirmatory samples found.
4	W C Graves Jr./-Indian River Associates	2800 US 1	8842052	Medium	NA	0 ft Adjoining US 1 to the east	Petroleum	Vehicular fuel USTs removed circa 1990 but no confirmatory sampling. No record of removal, abandonment, or closure of heating oil UST.
5	Vero Beach City - WTP	2515 Airport North Dr	9202133	Low	Soil / groundwater	The closest of the 3 ASTs is 175 feet north of Aviation Blvd	Petroleum	Several ASTs, routinely inspected, no documented releases.

Table 3. Potential Contamination Sites (Continued)

Map ID	Facility Name	Address	Facility ID No.	Risk Rating	Soil/ Groundwater	Distance from Proposed Improvements	Potential Contamination Type	Reason for Risk Rating
6	Vero Beach Naval Air Station	Aviation Blvd	FL49799F466300	Low	Soil / groundwater	0 ft from Aviation Blvd	Metals, petroleum, solvents	Former military base, no suspected contamination within project limits.
7	Orange Blossom Village	3300 12th Ct	9819068, FLR10UZ26	No	NA	450 feet east from possible stormwater pond sites and roadway improvements near the intersection of 13th Av and 33rd St	Petroleum	Recently installed small AST for an emergency generator. No known or suspected release.
8	Hogan & Sons Citrus Packers	1400 27th St	FLA010452	No	Groundwater	175 feet west of US 1	Acids, chlorine, sodium, aluminum, iron, surfactants, detergents, and similar wastewater contaminants from fruit washing	Former fruit washing percolation pond. Monitor wells revealed no contaminants above GCTLs. No known discharges of heavy metals, solvents, or petroleum. Packing plant ceased operations in 2018 and remnant waste materials were removed.
9	Hogan & Sons, Inc	2745 St. Lucie Ave	8944761	Low	NA	ASTs were 300 feet west of US 1	Petroleum	No contamination from the ASTs is known. Larger AST was removed. No information on whether the 250 gal AST was removed. 300 feet from project alternatives and across the railroad.
10	Treasure Coast Oil / Tire Kingdom	2647 Commerce Ave	8520279	Low	Soil / groundwater	300 feet east of US 1	Petroleum	USTs removed, OVA and groundwater samples revealed no contamination. Some uncertainty with location.
11	Michael Field DDMS	2665 12th Ave	97997	No	NA	150 to 650 feet east of US 1	Metals, petroleum, solvents	No evidence found that the pre-approved debris management site has ever been actually used.
12	Moran Service Station	2628 US 1	FLG914413, 9101434	Low	Soil	200 feet south-southeast of the southernmost extent of any of the project alternatives	Petroleum	Closed retail gas station. USTs removed, contamination was remediated, and FDEP issued a SRCO.
13	Amoco #60304	2602 US 1	8509170	Low	Soil / groundwater	350 feet south-southeast of the southernmost extent of any of the project alternatives	Petroleum	Active gas station; soil and groundwater remediation complete, NFA approved, SRCO being prepared.

Table 4. Number of Potentially Contaminated Sites per Alternative

Project Alternative	Risk Rating			
	No	Low	Medium	High
1	3	6	4	0
2	3	6	4	0
7	3	6	4	0
8	3	6	4	0

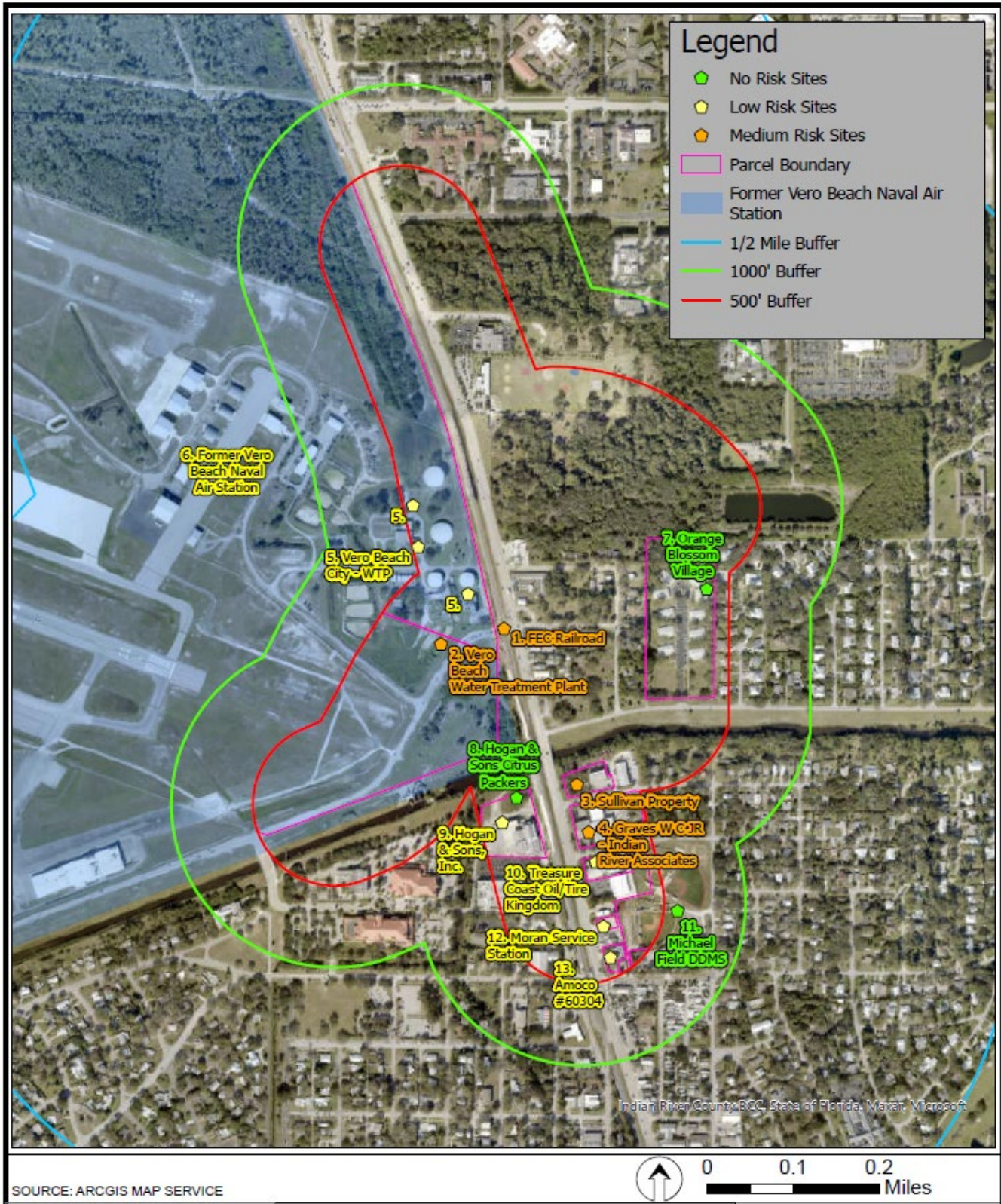


Figure 11. Potential Contamination Map

There are three dots for Map ID #5 which correspond to the three locations of the storage tanks at the water treatment plant.

Map ID #1

Facility name: FEC Railroad

Facility ID: none

Currently owned by: Florida East Coast Railway

Property Appraiser Address: none

Indian River County Folio ID: 32393500000888800000.0

A railroad is located along the western side of SR 5/US 1, and Aviation Boulevard crosses the railroad. The FEC railroad was constructed in 1894. In general on railroads, the railroad ties are usually treated wood. The treated wood may contain arsenic (from chromated copper arsenate), petroleum products (from creosote oil), and other contaminants. As a result, there is the potential for soil and groundwater contamination. All project alternatives include modifications to the railroad crossing at Aviation Boulevard that may include earthwork and/or modification to the railroad bed; therefore, each project alternative may encounter potential contamination associated with the railroad. Given the long history of use of this railroad and the proximity to the project alternatives, the assigned risk rating is **MEDIUM RISK**.

Map ID #2

Facility name: Vero Beach Water Treatment Plant

Facility ID: FLR000140087 (FDEP Hazardous Waste)

Currently owned by: City of Vero Beach

Property Appraiser Address: 2515 Airport North Drive, Vero Beach, FL

Indian River County Folio ID: 32392600011074000001.0

A municipal water treatment plant operated by the City of Vero Beach is located in the northwestern quadrant of Aviation Boulevard and SR 5/US 1. This facility produces potable water; it is not a wastewater treatment plant. It has lime treatment facilities, a reverse osmosis plant, water tanks, water supply wells, injection wells, mineral acid aboveground storage tanks (ASTs), and other facilities. It has been a registered large quantity generator and small quantity generator of hazardous waste for corrosive materials. Historical aerial photographs reveal a linear and discolored pond along the north side of Aviation Boulevard; this pond is approximately 25 feet north of the proposed improvements to Aviation Boulevard. The historical photographs are presented in **Appendix E-2**; these photographs reveal discoloration and plumes that are characteristic of effluent discharge. The City of Vero Beach Water & Sewer Department (Arjuna Weragoda, Project Manager) was contacted in February 2024 to provide clarification on the operations of the City's water treatment plant and the effluent pond. Mr. Weragoda explained that the plant discharges spent lime sludge to the linear pond. He explained that the effluent is a byproduct of water softening and treatment, and the effluent does not contain hazardous substances or petroleum products. Historic topographic maps dated 1970 and 1983 (**Appendix D**) indicate there was "sewage disposal" in areas on the north side of Aviation Boulevard in the 1970s and 1980s. Given the proximity of effluent discharges to the project alternatives, the assigned risk rating is **MEDIUM RISK**.

Map ID #3

Facility name: Sullivan Property

Facility ID: 9800758 (FDEP Storage Tanks)

Currently owned by: 29th Street Trade Center, LLC

1360 29th St, Vero Beach, FL

Indian River County Folio ID: 32393500007001000001.0

This facility is currently owned by 29th Street Trade Center, LLC and is operating as a plant nursery and landscaping company. It is located on the east side of SR 5/US 1, north of 29th Street. It adjoins the proposed roadway improvements of the project alternatives. A search of sales records shows that 29th Street VB, Inc. owned the property prior to 2005. According to FDEP records, two 1,000-gallon USTs that formerly stored leaded gasoline were first registered in July 1998. A Storage Tank Facility Inspection Evaluation dated July 17, 1998 reported the abandonment in place of the two USTs whereas a UST Installation and Removal form dated August 6, 1998 and the FDEP's Storage Tank and Contamination Monitoring (STCM) database report the removal of both tanks. The July 17, 1998 inspection form noted that both USTs were intact and the consultant conducted closure assessment activities. The form states that "No organic vapor analyzer (OVA) discover(ed) in soil at time of abandonment". A tank closure report with groundwater or soil sample laboratory analytical results was not found in FDEP's database records. Records in FDEP's database that include reports from the Florida Department of Health are conflicting; they do not offer substantiated evidence of the USTs' removal or in-place abandonment. In addition, no report of OVA soil screening, groundwater sampling, or soil testing results are otherwise documented. No other records were found in FDEP's file concerning this site's USTs or their closure. Given that there is no record of a documented release but no confirmatory status of the tanks can be found in any readily available database, the risk rating for this site is **MEDIUM RISK**.

Map ID #4

Facility name: Graves W C JR-Indian River Associates

Facility ID: 8842052 (FDEP Storage Tanks)

Currently owned by: Glendale Trade Center, Inc

2800 US 1, Vero Beach, FL

Indian River County Parcel ID: 32393500007002000001.0

This facility is currently owned by Glendale Trade Center, Inc and operates as an HVAC company specializing in plumbing and air conditioning. It is located on the east side of SR 5/US 1 at 28th Street. According to FDEP records, two vehicular fuel USTs and a heating oil UST existed onsite. The specific location(s) of the tanks are unknown, but an un-scaled sketch from 1987 indicates there were three pumps on a fuel island between a building and US 1 and there were four groundwater monitoring wells around fuel island. No analytical results from the wells were found. Both vehicular fuel USTs were removed

before 1990. A FDEP record indicates the vehicular fuel USTs were removed but there is no record of post-removal confirmatory soil or groundwater samples. No record was found of the removal or abandonment of the heating oil UST. No other records were found in FDEP's file for this site. Given that the property immediately adjoins the project corridor, there are no confirmatory soil or groundwater data available for the removal of the vehicular fuel USTs, and no record of the closure of the heating oil UST was found, the risk rating for this site is **MEDIUM RISK**.

Map ID #5

Facility name: Vero Beach City - WTP

Facility ID: 9202133 (FDEP Storage Tanks)

Currently owned by: City of Vero Beach

Property Appraiser Address: 2515 Airport North Drive, Vero Beach, FL

Indian River County Folio ID: 32392600011074000001.0

The City of Vero Beach water treatment plant currently has at least three ASTs for diesel that range in size from 660 to 6,000 gallons. The closest AST is approximately 175 feet northwest of the FEC railroad crossing of Aviation Boulevard. The ASTs are in secondary containment. There have been no documented releases from the ASTs. Given that the ASTs are routinely inspected and there have been no documented releases, and given the distance from the project alternatives, the assigned risk rating is **LOW RISK**.

Map ID #6

Facility name: Vero Beach Naval Air Station

Facility ID: FL49799F466300 (FUDS Installation ID)

Currently owned by: City of Vero Beach, The New Piper Aircraft Inc., *et al.*

Property Appraiser Address: Aviation Blvd, Vero Beach, FL

Indian River County Folio ID: 32392600011000000000.1 *et al.*

This is a Formerly Used Defense Site (FUDS). It encompasses 2,135.6 acres west of the FEC railroad track and north of the Main Relief Canal. A map is provided in **Appendix E-6**. The roadway of Aviation Blvd is within the FUDS. In 1942 the United States acquired this site for use as a Naval Air Station and Training Facility. The site was developed and known as the U.S. Naval Air Station, Vero Beach. The Navy constructed a complete air training facility at the site consisting of approximately 155 buildings and structures along with other miscellaneous improvements such as runways, taxiways, roads, utility systems, etc. The site remained active until 1945 when its functions were no longer required. In October 1947, the Navy disposed of the property to the City of Vero Beach. Most of the site is currently owned by the city and used as an airport (Vero Beach Regional Airport) and light industrial park. Portions have been sold to a private aircraft company which maintains an aircraft manufacturing plant, and to a country club and golf course. According to the Program Management Action Plan (2021), there are no military munitions response program (MMRP) projects at this facility and no Installation Restoration Program projects within the contamination study area. Given there is no known or suspected contamination within the contamination study area specifically associated with the Naval Air Station, the assigned risk rating is **LOW RISK**.

Piper Aircraft Superfund Site: Within the Vero Beach Regional Airport / former Vero Beach Naval Air Station is the Piper Aircraft Superfund Site, Facility IDs EPA ID FLD004054284, FDEP ERIC_3799, and FDEP 8520211. The Piper Aircraft Superfund Site has a plume of chlorinated solvents that is undergoing monitoring natural attenuation. The most recent monitoring report is the 25th Year 1st Quarter report dated March 2023. The monitoring reports indicate the plume has primarily been in the area of Piper Aircraft Building #3-A and the downgradient part of the plume is at the intersection of Aviation Blvd and 27th Avenue. Both the Piper Aircraft Superfund Site and its associated groundwater plume are outside the ½ mile PD&E buffer zone for Superfund sites. Maps are provided in **Appendix E-6**. Given the distance from the project alternatives, the Piper Aircraft Superfund Site and associated groundwater plume do not pose a risk to the project.

Map ID #7

Facility name: Orange Blossom Village
Facility ID: 9819068 (FDEP Storage Tanks), NPDES ID: FLR10UZ26
Currently owned by: Orange Blossom Village, LLP
3300 12th Court, Vero Beach, FL
Indian River County Folio ID: 32393500000700000001.0

This facility is a multi-family residential complex. It is located east of SR 5/US 1, along 12th Court, approximately 450 feet east from possible stormwater sites and roadway improvements near the intersection of 13th Avenue and 33rd Street. According to FDEP records, one 860-gallon genset AST containing diesel fuel was installed in May 2022. The AST fuels the residential complex's Generac emergency generator. Given that there has been no documented release, the tank is routinely inspected for leaks and compliance with applicable storage tank rules, and the 450-foot distance from the project alternatives, the assigned rating for this site is **NO RISK**.

Map ID #8

Facility name: Hogan & Sons Citrus Packers
Facility ID: FLA010452 (FDEP Wastewater)
Currently owned by: United Against Poverty, Inc.
1400 27th St, Vero Beach, FL
Indian River County Parcel ID: 32393500005000300001.0, 32393500005000200002.0

This facility is operating as a United Against Poverty grocery center. It is located approximately 175 feet west of SR 5/US 1. Hogan & Sons, Inc. previously operated a fruit packing facility. The fruit packing facility had a FDEP wastewater permit (Permit No. FLA010452, Generic Permit for Discharges from Fresh Citrus Fruit Packinghouses to Percolation Ponds). The fruit was washed inside the facility with a solution of water and liquid chlorine, along with sulfuric acid to act as a buffer, and fruit cleaner soap solution. The waste effluent was discharged to a wastewater percolation pond north of the building.

The discharge pond was located approximately 175 feet west of the southbound lane of SR 5/US 1 and therefore approximately 175 feet from any of the project alternatives.

There were at least three groundwater monitoring wells including a background well, intermediate well, and compliance well (MWC-3R). Groundwater depth data reported in the 2012 permit renewal application appear to indicate groundwater flowing northwesterly towards the Main Relief Canal. A FDEP memorandum dated 9/14/2012 mentioned concerns of intermittent aluminum, iron, and surfactant issues in compliance well MWC-3R (northernmost monitoring well nearest the canal) but FDEP indicated in their report that the groundwater remained in compliance and that no violations occurred.

The citrus packing facility ceased operation in 2015 and an FDEP email indicated that all remnant waste materials had been removed by 2018. Given that the chemicals used were fruit washing chemicals (not heavy metals, solvents, or petroleum products, etc.), the packing plant has ceased industrial wastewater activities, all remnant waste materials were removed to FDEP's satisfaction, and its monitoring and reporting history indicates no violations and no incidences of impact to the soil or groundwater exceeding applicable Cleanup Target Levels (CTLs), the assigned rating for this site is **NO RISK**.

Map ID #9

Facility name: Hogan & Sons, Inc

Facility ID: 8944761 (FDEP Storage Tanks)

Currently owned by: Packing House Collective, LLC

2745 St. Lucie Ave, Vero Beach, FL

Indian River County Parcel ID: 32393500005000200001.0

This facility is an abandoned fruit packing house. It is located on the west side of SR 5/US 1 north of 27th Street and directly adjoining the FEC railroad. According to a Florida Department of Environmental Regulation Storage Tank Notification Form, one 250-gallon vehicular diesel AST and one 1,000-gallon unleaded gasoline AST were installed in May 1989. An FDEP Storage Tank Facility Re-Inspection Site Inspection Report noted that the 1,000-gallon AST failed a compliance inspection on August 26, 2013, citing that the secondary containment did not meet standards. Further, the tank itself showed significant corrosion (rust) on the tank exterior, the secondary containment lacked coating, the structure would not meet the permeability requirement, and the vent stack did not meet height standards. FDEP recommended emptying and scrapping this tank to replace it with two unregulated 500-gallon ASTs. During an October 22, 2013 follow-up inspection, FDEP indicated that the 1,000-gallon AST had been removed from the site. FDEP also indicated in the follow-up inspection letter that there had been no previous records of petroleum discharges or incidents at the facility and that the facility would not be responsible for closure assessment activities. Additionally, the report states that the non-compliance items had been resolved. No record of soil or groundwater

testing is associated with the previously removed AST. Because the smaller AST was less than 550 gallons and was therefore exempt from registration, there are no records on whether it was removed. The ASTs were located approximately 300 feet west of the FEC railroad track and therefore approximately 300 feet away from any of the project alternatives. Given that the ASTs were in secondary containment, there were no reports of a release, and the distance of the ASTs to any of the project alternatives, the risk rating for this site is **LOW RISK**.

Map ID #10

Facility name: Treasure Coast Oil Inc / Tire Kingdom

Facility ID: 8520279 (FDEP Storage Tanks)

Currently owned by: Glendale Trade Center, Inc.

Property Appraiser Address: 2746 Commerce Avenue, Vero Beach, FL

Indian River County Folio ID: 32393500007002000001.0

The location of this facility is not clear from the records. FDEP Map Direct indicates the location is at the southeast corner of SR 5/US 1 and 28th Street and therefore is adjacent to the project alternatives. However, on a FDEP inspection form dated 1991, the coordinates place the location approximately 2,000 feet south-southeast of the southernmost project alternative. FDEP (Nikol Havranek, Engineering Specialist III) was interviewed in January 2024 to help resolve the discrepancy in the location. Ms. Havranek concurred there are conflicting records of the location, and stated that the likely location is the location plotted in FDEP Map Direct. The facility was formerly a service station and had three USTs that were installed in 1967. The USTs were reported to be approximately 100 yards (300 feet) east of SR 5/US 1. The USTs were removed in 1989. There are no files on whether any impacts were observed or whether any soil was removed during UST removal. However, a subsequent closure assessment report dated 4/22/1992, which was conducted three years after UST removal, indicated that the USTs were in two locations, and five soil borings and two groundwater wells were installed at each of the two locations in 1992. No elevated OVA results were reported in the soil, and no elevated groundwater concentrations by petroleum hydrocarbons (EPA Methods 602 and 610) were detected in 1992. Based on the low OVA results and groundwater results, confirmatory soil samples were not collected. Given the low OVA and groundwater results collected after tank removal, and the reported distance of the USTs being approximately 300 feet from SR 5/US 1, the assigned risk rating is **LOW RISK**.

Map ID #11

Facility name: Michael Field DDMS

Facility ID: 97997 (Water Assurance Compliance System [WACS] ID)

Currently owned by: City of Vero Beach

Property Appraiser Address: 2665 12th Ave, Vero Beach, FL

Indian River County Folio ID: 32393500007006000001.0

This is the Michael Field public park; it has baseball fields and similar amenities. It is a pre-approved disaster debris management site (DDMS). In the event of a major storm event or other disaster, the City of Vero Beach has pre-approval from FDEP to use the park for debris staging. The type of pre-approved debris is construction & demolition debris and yard trash. The park has been a pre-approved DDMS since circa 2008. FDEP has standard guidelines for the operation of a DDMS to minimize the risk of contamination. There are no records indicating the park has actually been used for debris staging. The park is approximately 150 to 650 feet east of SR 5/US 1 and the project alternatives. Given that the DDMS does not appear to have been used and the DDMS is not pre-approved to receive hazardous substances or petroleum products, the assigned risk rating is **NO RISK**.

Map ID #12

Facility name: Moran Service Station

Facility ID: FLG914413 (FDEP Wastewater), 9101434 (FDEP Storage Tanks)

Currently owned by: 2628 US 1 Investments, Inc.

2628 US 1, Vero Beach, FL

Indian River County Parcel ID: 32393500008002000001.0, 32393500008002000004.0

This facility is a vacant building located on the east side of SR 5/US 1 and south of 13th Avenue. It is located approximately 200 feet south-southeast of the southernmost extent of any of the project alternatives. From 1981 to 2014, Martha Moran Holdings, LLC owned the property. The site historically operated as a service station with two pump islands and four USTs until 1995 when it transitioned into operating as various small businesses. A UST Compliance Inspection Form dated December 27, 1991 reports that a discharge of unknown causes was detected during an April 20, 1991 tank removal; the tank removal included one 1,000-gallon, one 2,000-gallon, and two 3,000-gallon USTs. Soil tests conducted in October 1991 indicated petroleum-contaminated soils/groundwater near the previous pump islands. A December 6, 2013 Source Removal Report (SRR) reported the excavation of petroleum-impacted soil from an approximate area of 450 square feet to depths ranging from 7 to 12 feet resulting in the removal of 199.54 tons of contaminated source material. The SRR reported 'smear zone' soil contamination above Soil Cleanup Target Levels (SCTLs). A groundwater treatment system was implemented. Post Active Remediation Monitoring continued until August 2015 when two consecutive groundwater sampling events confirmed successful remediation of the dissolved hydrocarbon plume. FDEP issued a Site Rehabilitation Completion Order (SRCO) on October 13, 2016. Given the USTs have been removed and soil and groundwater sampling confirmed there is no remaining soil or groundwater contamination above CTLs, and given the distance from any of the project alternatives, the assigned rating for this site is **LOW RISK**.

Map ID #13

Facility name: Amoco #60304 / Country Corner 2602 Inc / Chevron
Facility ID: 8509170 and 9800361 (FDEP Storage Tanks)
Currently owned by: 2602 Petrol Investments LLC
Property Appraiser Address: 2602 US 1, Vero Beach, FL
Indian River County Folio ID: 32393500008002000008.0

This facility is a gas station at the northeast corner of US 1 and 26th Street. It is located approximately 350 feet south-southeast of the southernmost extent of any of the project alternatives. It is currently a Chevron gas station. It was formerly an Amoco and the current UST is registered to Country Corner 2602 Inc. The site has had two street addresses: 2602 US 1 and 2606 US 1. Contamination was discovered in 2006 and the facility underwent active remediation until circa 2022 when natural attenuation monitoring started. The Year One Quarter Two Natural Attenuation Monitoring Report dated 3/29/2023 documented that there had been two consecutive groundwater sampling events with no analytes above Groundwater Cleanup Target Levels (GCTLs). The consultant recommended No Further Action (NFA) and abandonment of all remaining wells. Brevard County, on behalf of FDEP, approved the recommendation of NFA in April 2023. The SRCO is being prepared. Given that Brevard County has agreed there is no remaining soil or groundwater contamination and has approved NFA, and given the distance from the proposed roadway improvements, the assigned risk rating is **LOW RISK**.

9.0 CONCLUSION

A total of 13 potential contamination sites were identified within the contamination study area. Of the 13 sites, none have a High Risk rating and 4 sites have a Medium Risk rating. The following have a Medium Risk rating:

- FEC Railroad (Map ID #1)
 - This railroad bed has a long history of use and may contain arsenic (from chromated copper arsenate), petroleum products (from creosote oil), and other contaminants from treated railroad ties. All project alternatives include modifications to the railroad crossing at Aviation Boulevard.
- Vero Beach Water Treatment Plant (Map ID #2)
 - There have been one or more ponds or ditches along Aviation Boulevard that have received effluent including spent lime sludge from the City's water treatment plant.
- Sullivan Property (Map ID #3)
 - Two USTs were removed circa 1998 but no tank closure report with confirmatory soil or groundwater sampling was found.
- W C Graves Jr. / Indian River Associates (Map ID #4)
 - Two USTs were removed before 1990 but there is no record of confirmatory soil or groundwater sampling. One heating oil UST was also present but there is no record that it was removed or properly abandoned.

The remaining sites were categorized as Low Risk or No Risk. This determination was made because these sites either do not possess an active industrial waste permit or storage tank, the permit files do not indicate any current or prior contamination issues, and/or they are not situated near the proposed project improvements.

There are numerous old houses and commercial buildings in the area; these may contain ACM and/or LBP.

10.0 RECOMMENDATIONS

It is recommended that the project be re-evaluated during design to determine if any new contamination-related risks are present, to determine if remediation by others reduces or eliminates risk, and to evaluate potential dewatering concerns. Level II contamination assessment investigations may be appropriate for some areas that have proposed subsurface work activities (e.g., pole foundations or drainage features) or where excess soils are expected to be produced.

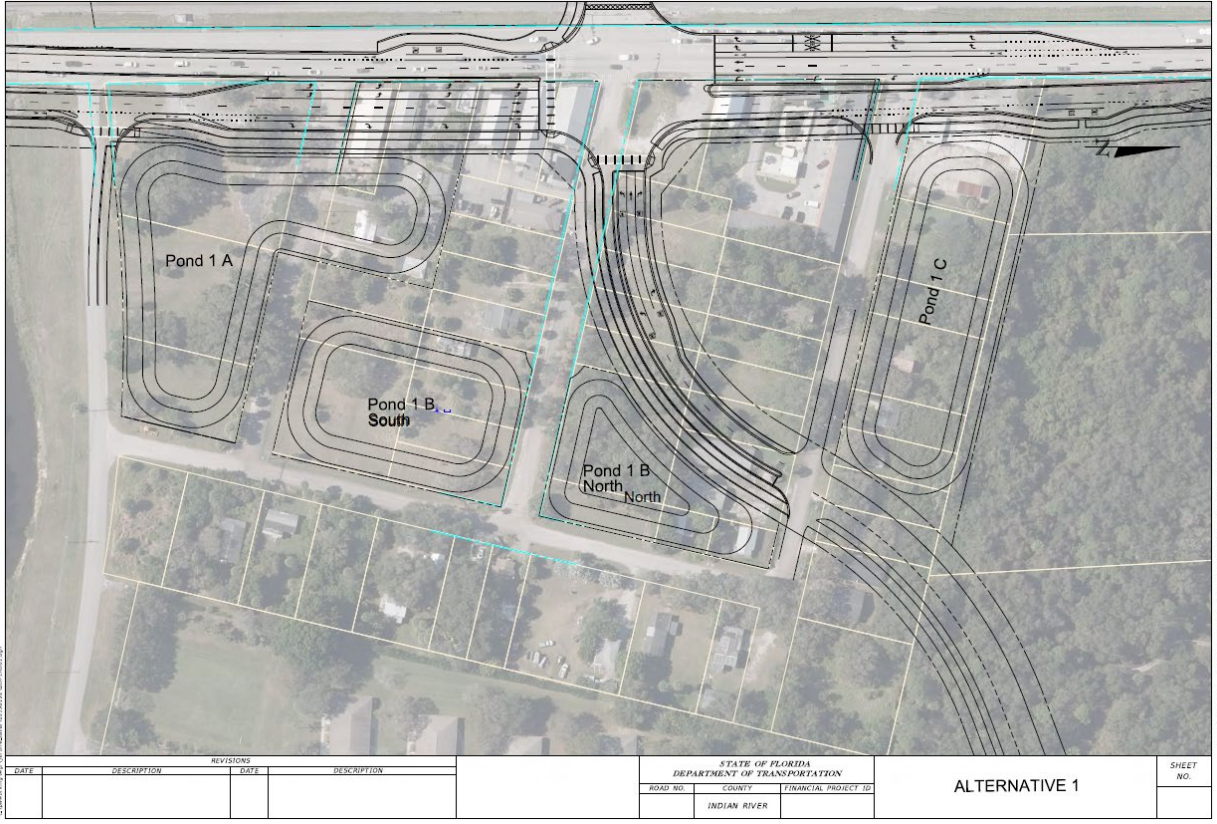
If dewatering will be needed during construction, an SFWMD Water Use Permit will be required. Dewatering operations in the vicinity of potentially contaminated areas may be limited to low-flow and short-term to avoid potential contamination plume exacerbation. Dewatering near contaminated sites may also require the installation of groundwater barriers and/or an effluent treatment plan. The contractor should be held responsible for compliance with any necessary dewatering permits.

There are numerous old houses and commercial buildings in the contamination study area; these may contain ACM and/or LBP. ACM and LBP surveys will need to be conducted by a licensed asbestos consultant on buildings and structures after the preferred alternative is selected and if demolition or renovation is proposed.

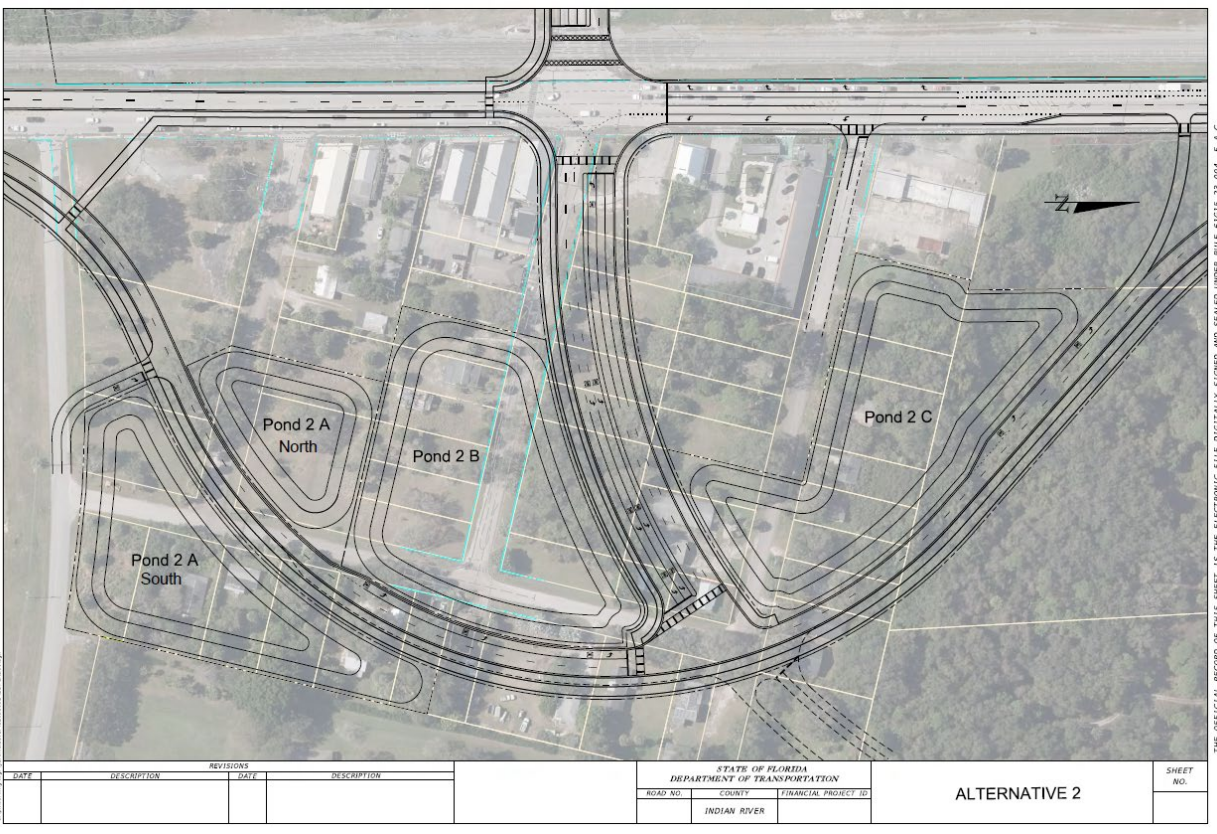
APPENDIX A

Pond Site Concepts

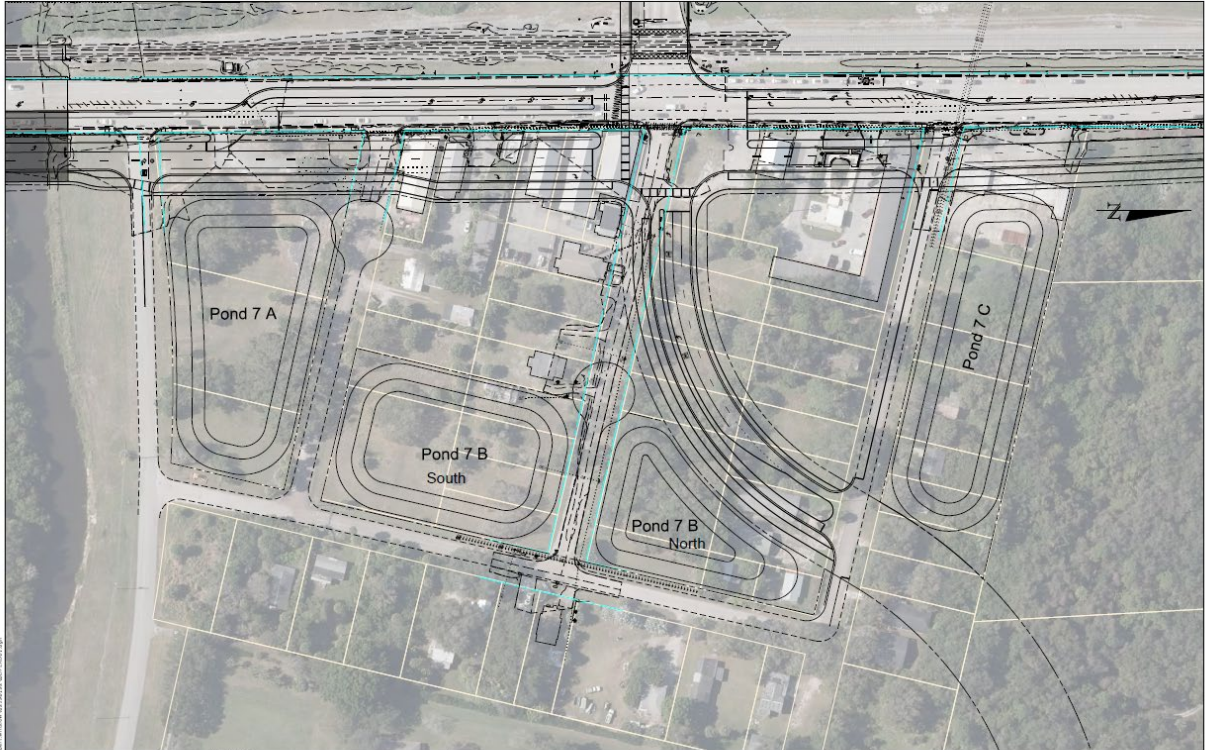
These pond site concepts were used to define the contamination study area.



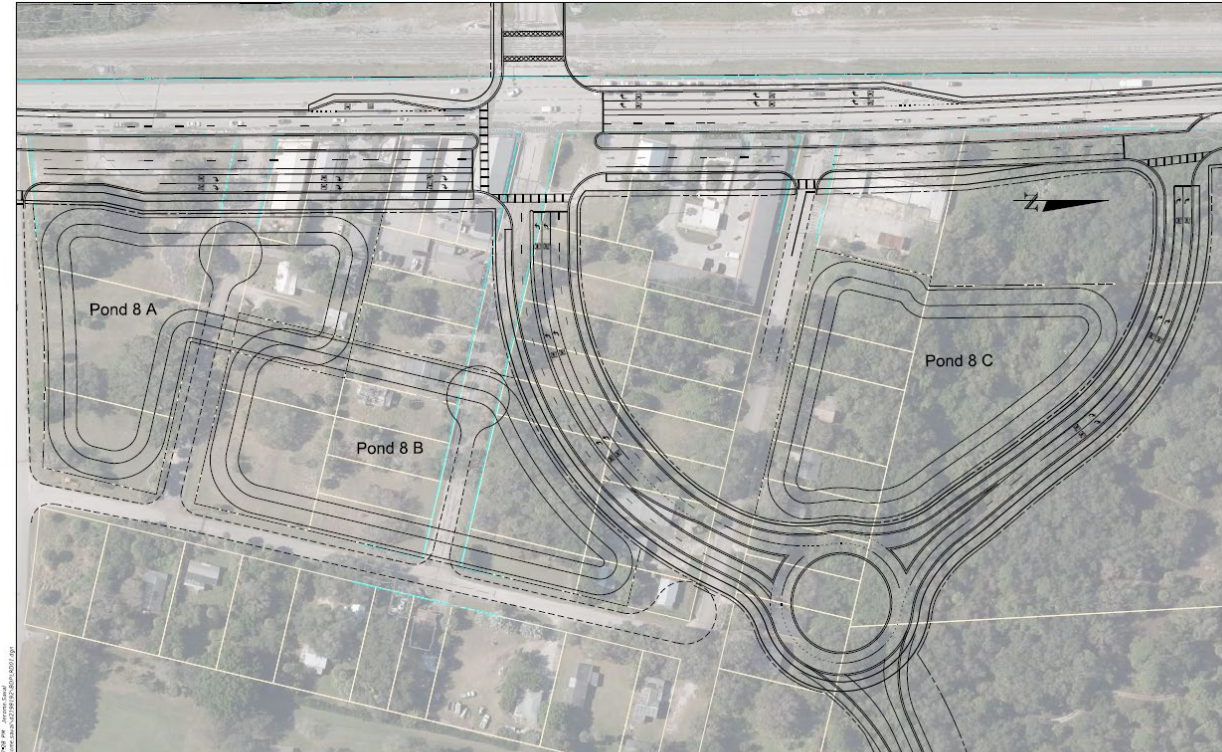
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61D5-23.004, F.A.C.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61D5-23.004, F.A.C.



REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ALTERNATIVE 7	SHEET NO.						
DATE	DESCRIPTION	DATE	DESCRIPTION								
				<table border="1"> <tr> <td>ROAD NO.</td> <td>COUNTY</td> <td>FINANCIAL PROJECT ID</td> </tr> <tr> <td>5</td> <td>INDIAN RIVER</td> <td>446933-22-02</td> </tr> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	5	INDIAN RIVER	446933-22-02	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID									
5	INDIAN RIVER	446933-22-02									



REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ALTERNATIVE 8	SHEET NO.						
DATE	DESCRIPTION	DATE	DESCRIPTION								
				<table border="1"> <tr> <td>ROAD NO.</td> <td>COUNTY</td> <td>FINANCIAL PROJECT ID</td> </tr> <tr> <td></td> <td>INDIAN RIVER</td> <td></td> </tr> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		INDIAN RIVER		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID									
	INDIAN RIVER										

APPENDIX B

Soil Survey Report



United States
Department of
Agriculture

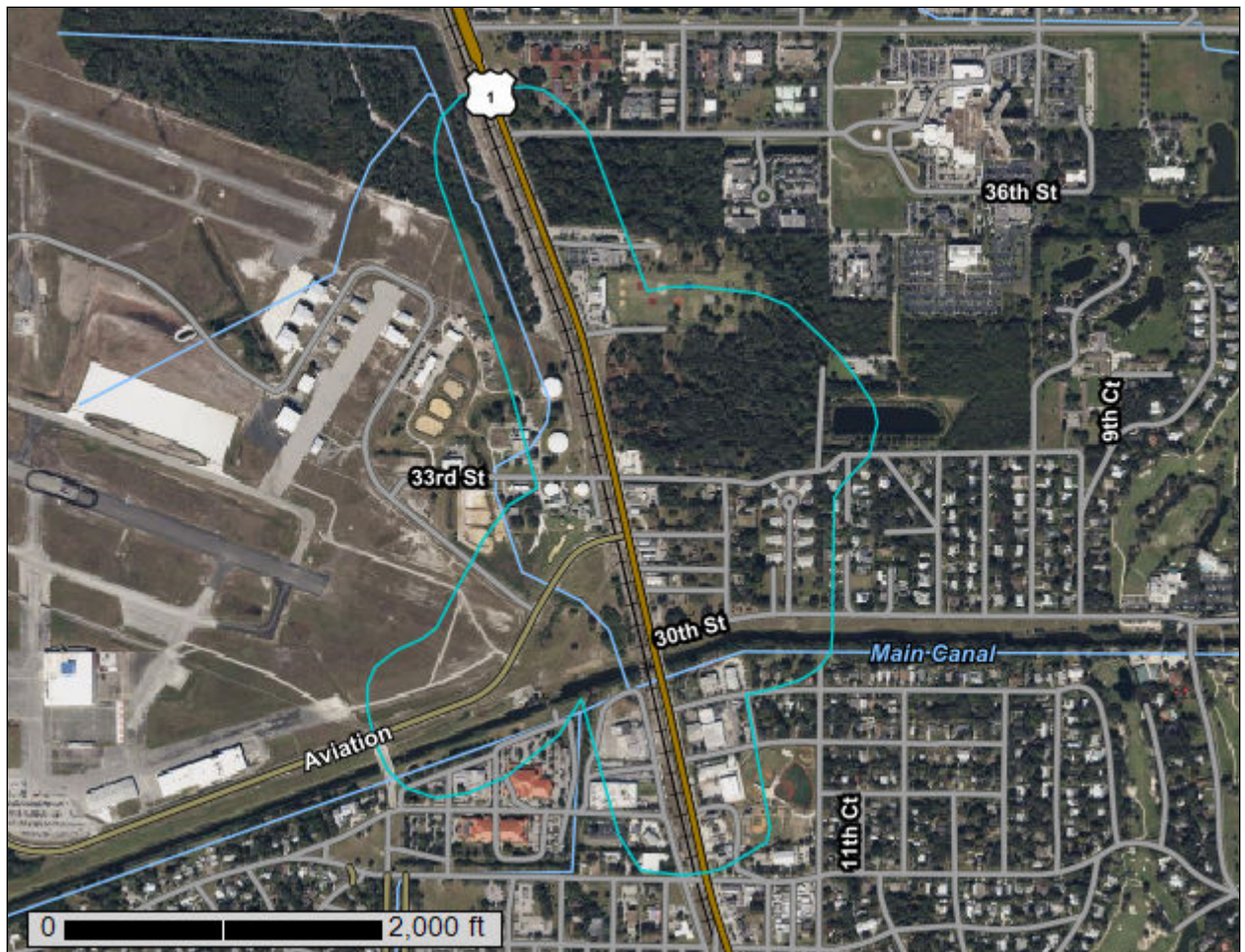
NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Indian River County, Florida

Aviation Blvd PD&E



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

Preface	2
How Soil Surveys Are Made	5
Soil Map	8
Soil Map.....	9
Legend.....	10
Map Unit Legend.....	11
Map Unit Descriptions.....	11
Indian River County, Florida.....	13
5—Myakka-Myakka, wet, fine sands, 0 to 2 percent slopes.....	13
8—Paola sand, 0 to 5 percent slopes.....	15
11—St. Lucie sand, 0 to 8 percent slopes.....	17
13—Wabasso-Wabasso, wet, fine sand, 0 to 2 percent slopes.....	19
21—Pomello sand, 0 to 5 percent slopes.....	22
22—Urban land, 0 to 2 percent slopes.....	24
23—Arents, 0 to 5 percent slopes.....	27
29—Immokalee-Urban land complex.....	28
36—Cypress Lake-Cypress Lake, wet, fine sands, 0 to 2 percent slopes..	31
100—Waters of the Atlantic Ocean.....	33
References	35

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

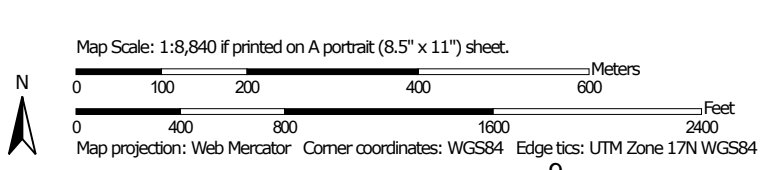
Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map




Soil Map may not be valid at this scale.




MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils







 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Indian River County, Florida
 Survey Area Data: Version 22, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 18, 2022—Jan 30, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5	Myakka-Myakka, wet, fine sands, 0 to 2 percent slopes	82.4	41.4%
8	Paola sand, 0 to 5 percent slopes	1.7	0.9%
11	St. Lucie sand, 0 to 8 percent slopes	16.1	8.1%
13	Wabasso-Wabasso, wet, fine sand, 0 to 2 percent slopes	7.7	3.9%
21	Pomello sand, 0 to 5 percent slopes	11.5	5.8%
22	Urban land, 0 to 2 percent slopes	59.4	29.9%
23	Arents, 0 to 5 percent slopes	14.6	7.3%
29	Immokalee-Urban land complex	1.9	1.0%
36	Cypress Lake-Cypress Lake, wet, fine sands, 0 to 2 percent slopes	0.1	0.0%
100	Waters of the Atlantic Ocean	3.4	1.7%
Totals for Area of Interest		198.8	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They

Custom Soil Resource Report

generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Indian River County, Florida

5—Myakka-Myakka, wet, fine sands, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2tw7
Elevation: 0 to 160 feet
Mean annual precipitation: 38 to 68 inches
Mean annual air temperature: 68 to 77 degrees F
Frost-free period: 310 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Myakka and similar soils: 70 percent
Myakka, wet, and similar soils: 15 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Myakka

Setting

Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 6 inches: fine sand
E - 6 to 20 inches: fine sand
Bh - 20 to 36 inches: fine sand
C - 36 to 80 inches: fine sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 5.95 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 3.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: A/D
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Forage suitability group: Sandy soils on flats of mesic or hydric lowlands
(G155XB141FL)

Custom Soil Resource Report

Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Description of Myakka, Wet

Setting

Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 6 inches: fine sand
E - 6 to 20 inches: fine sand
Bh - 20 to 36 inches: fine sand
C - 36 to 80 inches: fine sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: About 3 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 3.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: A/D
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Forage suitability group: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: Yes

Minor Components

Eaugallie

Percent of map unit: 5 percent
Landform: — error in exists on —
Landform position (three-dimensional): Tread, talf
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Custom Soil Resource Report

Basinger

Percent of map unit: 5 percent

Landform: Flats on marine terraces, drainageways on marine terraces

Landform position (three-dimensional): Tread, talf, dip

Down-slope shape: Convex, concave

Across-slope shape: Linear, concave

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Other vegetative classification: Slough (R155XY011FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)

Hydric soil rating: Yes

Placid

Percent of map unit: 5 percent

Landform: Drainageways on marine terraces, depressions on marine terraces

Landform position (three-dimensional): Tread, dip

Down-slope shape: Concave

Across-slope shape: Concave

Ecological site: R155XY070FL - Sandy Freshwater Isolated Marshes and Swamps

Other vegetative classification: Sandy soils on stream terraces, flood plains, or in depressions (G155XB145FL), Freshwater Marshes and Ponds (R155XY010FL)

Hydric soil rating: Yes

8—Paola sand, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2tzwj

Elevation: 0 to 100 feet

Mean annual precipitation: 44 to 60 inches

Mean annual air temperature: 68 to 77 degrees F

Frost-free period: 350 to 365 days

Farmland classification: Not prime farmland

Map Unit Composition

Paola and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Paola

Setting

Landform: Hills on marine terraces, ridges on marine terraces

Landform position (two-dimensional): Summit, backslope

Landform position (three-dimensional): Side slope, interfluve, riser

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: Sandy marine deposits

Custom Soil Resource Report

Typical profile

A - 0 to 6 inches: sand
E - 6 to 55 inches: sand
B/E - 55 to 80 inches: sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 to 50.02 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 2.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A
Ecological site: R155XY230FL - Sandy Scrub on Ridges, Knolls, and Dunes of Xeric Uplands
Forage suitability group: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL)
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No

Minor Components

Apopka

Percent of map unit: 6 percent
Landform: Knolls on marine terraces, ridges on marine terraces, hills on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser, rise
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F154XA004FL - Moist Sandy Pine-Hardwood Woodlands
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G154XB111FL), Longleaf Pine-Turkey Oak Hills (R154XY002FL)
Hydric soil rating: No

Astatula

Percent of map unit: 5 percent
Landform: Knolls on marine terraces, ridges on marine terraces, hills on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser, rise
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: R155XY230FL - Sandy Scrub on Ridges, Knolls, and Dunes of Xeric Uplands

Custom Soil Resource Report

Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL)
Hydric soil rating: No

Pomello

Percent of map unit: 4 percent
Landform: Knolls on marine terraces, ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Linear, convex
Across-slope shape: Linear
Ecological site: F155XY150FL - Sandy Upland Mesic Flatwoods and Hammocks on Rises and Knolls
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G155XB131FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No

11—St. Lucie sand, 0 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2tzwp
Elevation: 0 to 70 feet
Mean annual precipitation: 49 to 60 inches
Mean annual air temperature: 70 to 77 degrees F
Frost-free period: 350 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

St. lucie and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of St. Lucie

Setting

Landform: Knolls on marine terraces, ridges on marine terraces, dunes on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Interfluve, side slope, riser
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Eolian or sandy marine deposits

Typical profile

A - 0 to 6 inches: sand
C - 6 to 80 inches: sand

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained

Custom Soil Resource Report

Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 to 39.96 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 2.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R155XY230FL - Sandy Scrub on Ridges, Knolls, and Dunes of Xeric Uplands
Forage suitability group: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL)
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No

Minor Components

Paola

Percent of map unit: 5 percent
Landform: Hills on marine terraces, ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Interfluve, side slope, riser
Down-slope shape: Linear, convex
Across-slope shape: Linear
Ecological site: R155XY230FL - Sandy Scrub on Ridges, Knolls, and Dunes of Xeric Uplands
Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No

Pomello

Percent of map unit: 3 percent
Landform: Knolls on marine terraces, ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluve, riser
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: F155XY150FL - Sandy Upland Mesic Flatwoods and Hammocks on Rises and Knolls
Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G155XB131FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No

Satellite

Percent of map unit: 2 percent
Landform: Drainageways on flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Linear
Across-slope shape: Linear, concave

Custom Soil Resource Report

Ecological site: F155XY150FL - Sandy Upland Mesic Flatwoods and Hammocks on Rises and Knolls
Other vegetative classification: Sand Pine Scrub (R155XY001FL), Sandy soils on rises and knolls of mesic uplands (G155XB131FL)
Hydric soil rating: No

13—Wabasso-Wabasso, wet, fine sand, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2y9dx
Elevation: 0 to 150 feet
Mean annual precipitation: 43 to 60 inches
Mean annual air temperature: 68 to 77 degrees F
Frost-free period: 335 to 365 days
Farmland classification: Farmland of unique importance

Map Unit Composition

Wabasso and similar soils: 70 percent
Wabasso, wet, and similar soils: 15 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wabasso

Setting

Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Sandy and loamy marine deposits

Typical profile

A - 0 to 7 inches: fine sand
E - 7 to 24 inches: fine sand
Bh - 24 to 35 inches: fine sand
Bw - 35 to 39 inches: fine sand
Btg - 39 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Custom Soil Resource Report

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: B/D

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Sandy soils on flats of mesic or hydric lowlands
(G155XB141FL)

Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands
(G155XB141FL), South Florida Flatwoods (R155XY003FL)

Hydric soil rating: No

Description of Wabasso, Wet

Setting

Landform: Flatwoods on marine terraces

Landform position (three-dimensional): Tread, talf

Down-slope shape: Linear

Across-slope shape: Linear, concave

Parent material: Sandy and loamy marine deposits

Typical profile

A - 0 to 7 inches: fine sand

E - 7 to 24 inches: fine sand

Bh - 24 to 35 inches: fine sand

Bw - 35 to 39 inches: fine sand

Btg - 39 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Poorly drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)

Depth to water table: About 3 to 18 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: B/D

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Sandy soils on flats of mesic or hydric lowlands
(G155XB141FL)

Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands
(G155XB141FL), South Florida Flatwoods (R155XY003FL)

Hydric soil rating: Yes

Minor Components

Eaugallie

Percent of map unit: 5 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Malabar

Percent of map unit: 3 percent
Landform: Flats on marine terraces, drainageways on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Linear, concave
Across-slope shape: Linear, concave
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), Slough (R155XY011FL)
Hydric soil rating: Yes

Riviera

Percent of map unit: 3 percent
Landform: Flats on marine terraces, drainageways on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Linear
Across-slope shape: Linear, concave
Ecological site: F155XY130FL - Sandy over Loamy Flatwoods and Hammocks
Other vegetative classification: Sandy over loamy soils on flats of hydric or mesic lowlands (G155XB241FL), Slough (R155XY011FL)
Hydric soil rating: Yes

Aripeka

Percent of map unit: 2 percent
Landform: Rises on karstic marine terraces
Landform position (three-dimensional): Tread, rise
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F155XY160FL - Sandy over Loamy Upland Mesic Flatwoods and Hammocks on Rises and Knolls
Other vegetative classification: Shallow or moderately deep, sandy or loamy soils on rises and ridges of mesic uplands (G155XB521FL), Wetland Hardwood Hammock (R155XY012FL)
Hydric soil rating: No

Basinger

Percent of map unit: 1 percent
Landform: Depressions on flats on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Linear, concave
Across-slope shape: Concave, linear
Ecological site: R155XY070FL - Sandy Freshwater Isolated Marshes and Swamps

Custom Soil Resource Report

Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), Freshwater Marshes and Ponds (R155XY010FL)
Hydric soil rating: Yes

Paisley

Percent of map unit: 1 percent
Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F155XY140FL - Loamy and Clayey Hardwood Hammocks
Other vegetative classification: Wetland Hardwood Hammock (R155XY012FL), Loamy and clayey soils on flats of hydric or mesic lowlands (G155XB341FL)
Hydric soil rating: Yes

21—Pomello sand, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2sm5n
Elevation: 0 to 160 feet
Mean annual precipitation: 46 to 64 inches
Mean annual air temperature: 68 to 77 degrees F
Frost-free period: 350 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Pomello and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pomello

Setting

Landform: Knolls on marine terraces, ridges on marine terraces
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Side slope, interfluvial, riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 4 inches: sand
E - 4 to 56 inches: sand
Bh - 56 to 62 inches: sand
Bw - 62 to 80 inches: sand

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained

Custom Soil Resource Report

Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: About 18 to 42 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 2.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A
Ecological site: F155XY150FL - Sandy Upland Mesic Flatwoods and Hammocks on Rises and Knolls
Forage suitability group: Sandy soils on rises and knolls of mesic uplands (G155XB131FL)
Other vegetative classification: Sand Pine Scrub (R155XY001FL), Sandy soils on rises and knolls of mesic uplands (G155XB131FL)
Hydric soil rating: No

Minor Components

Immokalee

Percent of map unit: 5 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Hydric soil rating: No

Tavares

Percent of map unit: 4 percent
Landform: Knolls on marine terraces, hills on marine terraces, flatwoods on marine terraces, ridges on marine terraces
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope, tread, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Ecological site: R155XY180FL - Sandy Scrub on Rises, Ridges, and Knolls of Mesic Uplands
Other vegetative classification: Sandy soils on rises, knolls, and ridges of mesic uplands (G155XB121FL), Longleaf Pine-Turkey Oak Hills (R155XY002FL), Sand Pine Scrub (R155XY001FL)
Hydric soil rating: No

Satellite

Percent of map unit: 3 percent
Landform: Flatwoods on marine terraces, rises on marine terraces, knolls on marine terraces
Landform position (three-dimensional): Tread, talf, rise
Down-slope shape: Linear, convex

Custom Soil Resource Report

Across-slope shape: Linear

Ecological site: R155XY180FL - Sandy Scrub on Rises, Ridges, and Knolls of Mesic Uplands

Other vegetative classification: Sand Pine Scrub (R155XY001FL), Sandy soils on rises and knolls of mesic uplands (G155XB131FL)

Hydric soil rating: No

St. lucie

Percent of map unit: 3 percent

Landform: Knolls on marine terraces, ridges on marine terraces

Landform position (two-dimensional): Summit, backslope

Landform position (three-dimensional): Interfluve, side slope, riser

Down-slope shape: Convex

Across-slope shape: Linear

Ecological site: R155XY230FL - Sandy Scrub on Ridges, Knolls, and Dunes of Xeric Uplands

Other vegetative classification: Sand Pine Scrub (R155XY001FL), Sandy soils on ridges and dunes of xeric uplands (G155XB111FL)

Hydric soil rating: No

22—Urban land, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2x9fc

Elevation: 0 to 200 feet

Mean annual precipitation: 40 to 68 inches

Mean annual air temperature: 68 to 79 degrees F

Frost-free period: 345 to 365 days

Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landform: Flatwoods on marine terraces, rises on marine terraces, knolls on marine terraces, ridges on marine terraces, hills on marine terraces

Landform position (two-dimensional): Summit, backslope

Landform position (three-dimensional): Interfluve, side slope, riser, talf, rise

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified

Forage suitability group: Forage suitability group not assigned (G155XB999FL)

Custom Soil Resource Report

Other vegetative classification: Forage suitability group not assigned
(G155XB999FL)
Hydric soil rating: Unranked

Minor Components

St. augustine

Percent of map unit: 3 percent
Landform: Marine terraces
Landform position (three-dimensional): Tread, rise
Down-slope shape: Linear
Across-slope shape: Convex
Other vegetative classification: Forage suitability group not assigned
(G155XB999FL)
Hydric soil rating: No

Matlacha

Percent of map unit: 3 percent
Landform: Flats on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Convex, linear
Across-slope shape: Linear
Other vegetative classification: Forage suitability group not assigned
(G155XB999FL)
Hydric soil rating: No

Immokalee

Percent of map unit: 1 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Riser, talf
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands
(G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Brynwood

Percent of map unit: 1 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands
(G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: Yes

Myakka

Percent of map unit: 1 percent
Landform: Drainageways on flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Linear
Across-slope shape: Linear, concave
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands
(G155XB141FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Custom Soil Resource Report

Pomello

Percent of map unit: 1 percent

Landform: Knolls on marine terraces, ridges on marine terraces

Landform position (two-dimensional): Summit, backslope

Landform position (three-dimensional): Interfluve, side slope, riser

Down-slope shape: Convex, linear

Across-slope shape: Linear

Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G155XB131FL), Sand Pine Scrub (R155XY001FL)

Hydric soil rating: No

Paola

Percent of map unit: 1 percent

Landform: Knolls on marine terraces, ridges on marine terraces

Landform position (two-dimensional): Summit, backslope

Landform position (three-dimensional): Interfluve, side slope, riser

Down-slope shape: Convex, linear

Across-slope shape: Linear

Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL), Sand Pine Scrub (R155XY001FL)

Hydric soil rating: No

Adamsville

Percent of map unit: 1 percent

Landform: Knolls on marine terraces, rises on marine terraces

Landform position (three-dimensional): Tread, rise

Down-slope shape: Convex

Across-slope shape: Linear

Other vegetative classification: Sandy soils on rises and knolls of mesic uplands (G155XB131FL), Upland Hardwood Hammock (R155XY008FL)

Hydric soil rating: No

Eaugallie

Percent of map unit: 1 percent

Landform: Flatwoods on marine terraces

Landform position (three-dimensional): Tread, talf

Down-slope shape: Convex

Across-slope shape: Linear

Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)

Hydric soil rating: No

Apopka

Percent of map unit: 1 percent

Landform: Ridges on marine terraces, hills on marine terraces

Landform position (two-dimensional): Summit, backslope

Landform position (three-dimensional): Interfluve, side slope, riser

Down-slope shape: Convex

Across-slope shape: Linear

Other vegetative classification: Sandy soils on ridges and dunes of xeric uplands (G155XB111FL), Longleaf Pine-Turkey Oak Hills (R155XY002FL)

Hydric soil rating: No

Cypress lake

Percent of map unit: 1 percent

Landform: Drainageways on marine terraces, flats on marine terraces

Custom Soil Resource Report

Landform position (three-dimensional): Tread, dip, talf
Down-slope shape: Linear, convex
Across-slope shape: Concave, linear
Other vegetative classification: Sandy over loamy soils on flats of hydric or mesic lowlands (G155XB241FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: Yes

23—Arents, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: tdg6
Elevation: 0 to 200 feet
Mean annual precipitation: 52 to 60 inches
Mean annual air temperature: 68 to 75 degrees F
Frost-free period: 350 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Arents and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Arents

Setting

Landform: Rises on marine terraces
Landform position (three-dimensional): Rise
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Altered marine deposits

Typical profile

C1 - 0 to 10 inches: sand
C2 - 10 to 32 inches: sand
C3 - 32 to 60 inches: sand

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: About 18 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A
Ecological site: F156BY041FL - Sandy Over Loamy Pine Flatwoods and Hammocks
Forage suitability group: Forage suitability group not assigned (G156BC999FL)
Other vegetative classification: Forage suitability group not assigned (G156BC999FL)
Hydric soil rating: No

Minor Components

Urban land

Percent of map unit: 5 percent
Landform: Marine terraces
Landform position (three-dimensional): Interfluve, talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F156BY041FL - Sandy Over Loamy Pine Flatwoods and Hammocks
Other vegetative classification: Forage suitability group not assigned (G156BC999FL)
Hydric soil rating: Unranked

Quartzipsamments

Percent of map unit: 5 percent
Landform: Rises on marine terraces
Landform position (three-dimensional): Rise
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: R156BY010FL - Histisol Floodplain Marshes and Swamps
Other vegetative classification: Forage suitability group not assigned (G156BC999FL)
Hydric soil rating: No

29—Immokalee-Urban land complex

Map Unit Setting

National map unit symbol: tdgd
Elevation: 20 to 200 feet
Mean annual precipitation: 52 to 60 inches
Mean annual air temperature: 68 to 75 degrees F
Frost-free period: 350 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Immokalee, non-hydric, and similar soils: 50 percent
Urban land: 25 percent

Custom Soil Resource Report

Immokalee, hydric, and similar soils: 10 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Immokalee, Non-hydric

Setting

Landform: Flatwoods on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Sandy marine deposits

Typical profile

A - 0 to 7 inches: fine sand

E - 7 to 42 inches: fine sand

Bh - 42 to 58 inches: fine sand

C - 58 to 80 inches: fine sand

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Poorly drained

Runoff class: High

*Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)*

Depth to water table: About 6 to 18 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4w

Hydrologic Soil Group: A/D

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Forage suitability group not assigned (G156BC999FL)

*Other vegetative classification: Forage suitability group not assigned
(G156BC999FL)*

Hydric soil rating: No

Description of Urban Land

Setting

Landform: Marine terraces

Landform position (three-dimensional): Interfluve, talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: No parent material

Interpretive groups

Land capability classification (irrigated): None specified

Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks

Forage suitability group: Forage suitability group not assigned (G156BC999FL)

Custom Soil Resource Report

Other vegetative classification: Forage suitability group not assigned
(G156BC999FL)
Hydric soil rating: Unranked

Description of Immokalee, Hydric

Setting

Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 7 inches: fine sand
E - 7 to 42 inches: fine sand
Bh - 42 to 58 inches: fine sand
C - 58 to 80 inches: fine sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: A/D
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Forage suitability group: Forage suitability group not assigned (G156BC999FL)
Other vegetative classification: Forage suitability group not assigned
(G156BC999FL)
Hydric soil rating: Yes

Minor Components

Eaugallie, non-hydric

Percent of map unit: 8 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: Forage suitability group not assigned
(G156BC999FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

Oldsmar, non-hydric

Percent of map unit: 7 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F155XY120FL - Sandy Flatwoods and Hammocks
Other vegetative classification: Forage suitability group not assigned
(G156BC999FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: No

36—Cypress Lake-Cypress Lake, wet, fine sands, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2zldp
Elevation: 0 to 40 feet
Mean annual precipitation: 51 to 60 inches
Mean annual air temperature: 68 to 77 degrees F
Frost-free period: 355 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Cypress lake, non-hydric, and similar soils: 60 percent
Cypress lake, hydric, and similar soils: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cypress Lake, Non-hydric

Setting

Landform: Flats on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy and loamy marine deposits over limestone

Typical profile

A - 0 to 7 inches: fine sand
E - 7 to 20 inches: fine sand
Bt - 20 to 24 inches: fine sandy loam
2R - 24 to 34 inches: bedrock

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 13 to 58 inches to lithic bedrock
Drainage class: Poorly drained
Runoff class: Very high

Custom Soil Resource Report

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)

Depth to water table: About 6 to 18 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: B/D

Forage suitability group: Sandy over loamy soils on flats of hydric or mesic lowlands (G156BC241FL)

Other vegetative classification: Sandy over loamy soils on flats of hydric or mesic lowlands (G156BC241FL), South Florida Flatwoods (R155XY003FL)

Hydric soil rating: No

Description of Cypress Lake, Hydric

Setting

Landform: Flats on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Concave, linear

Parent material: Sandy and loamy marine deposits over limestone

Typical profile

A - 0 to 7 inches: fine sand

E - 7 to 20 inches: fine sand

Bt - 20 to 24 inches: fine sandy loam

2R - 24 to 34 inches: bedrock

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: 13 to 58 inches to lithic bedrock

Drainage class: Poorly drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)

Depth to water table: About 0 to 12 inches

Frequency of flooding: None

Frequency of ponding: Frequent

Calcium carbonate, maximum content: 5 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: B/D

Forage suitability group: Sandy over loamy soils on flats of hydric or mesic lowlands (G156BC241FL)

Custom Soil Resource Report

Other vegetative classification: Sandy over loamy soils on flats of hydric or mesic lowlands (G156BC241FL), South Florida Flatwoods (R155XY003FL)
Hydric soil rating: Yes

Minor Components

Jupiter

Percent of map unit: 5 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Sandy soils on flats of mesic or hydric lowlands (G155XB141FL), Cabbage Palm Flatwoods (R155XY005FL)
Hydric soil rating: Yes

Riviera

Percent of map unit: 5 percent
Landform: Flats on marine terraces, drainageways on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Linear
Across-slope shape: Linear, concave
Other vegetative classification: Sandy over loamy soils on flats of hydric or mesic lowlands (G155XB241FL), Slough (R155XY011FL)
Hydric soil rating: Yes

Pineda

Percent of map unit: 5 percent
Landform: Flats on marine terraces, drainageways on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Linear
Across-slope shape: Linear, concave
Other vegetative classification: Sandy over loamy soils on flats of hydric or mesic lowlands (G155XB241FL), Slough (R155XY011FL)
Hydric soil rating: Yes

100—Waters of the Atlantic Ocean

Map Unit Setting

National map unit symbol: tqlc
Elevation: 0 to 200 feet
Farmland classification: Not prime farmland

Map Unit Composition

Waters of the atlantic ocean: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Waters Of The Atlantic Ocean

Interpretive groups

Land capability classification (irrigated): None specified

Forage suitability group: Forage suitability group not assigned (G156BC999FL)

Other vegetative classification: Forage suitability group not assigned
(G156BC999FL)

Hydric soil rating: Unranked

References

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

APPENDIX C

Site Photos



Photo 1. Map ID #1. FEC Railroad. Aviation Blvd crossing. Photo date 2/13/2024. View to south.



Photo 2. Map ID #2. Vero Beach Water Treatment Plant. Effluent pond receives spent lime sludge from the City's water treatment plant. Photo date 2/13/2024. View to north.



Photo 3. Map ID #3. Sullivan Property. Location of former USTs; now a plant nursery. Photo date 2/13/2024. View to north.



Photo 4. Map ID #4. Graves W C JR-Indian River Associates. Location of former USTs. Photo date 2/13/2024. View to north.



Photo 5. Map ID #5. Vero Beach City – WTP. The water treatment plant currently has at least three ASTs for fuel – the fuel ASTs are not visible in this photograph. Photo date 2/13/2024. View to north.



Photo 6. Map ID #6. Vero Beach Naval Air Station. This is a Formerly Used Defense Site (FUDS) that is now the Vero Beach Regional Airport. Photo date 2/13/2024. View to west.



Photo 7. Map ID #7. Orange Blossom Village. This residential community has an emergency power generator with belly-mounted AST. Photo date 2/13/2024. View to north.



Photo 8. Map ID #8. Hogan & Sons Citrus Packers. Former percolation pond for a fruit washing and packing house. Photo date 2/13/2024. View to north.



Photo 9. Map ID #9. Hogan & Sons, Inc. Location of former ASTs. Photo date 2/13/2024. View to southwest.



Photo 10. Map ID #10. Treasure Coast Oil Inc / Tire Kingdom. This facility formerly had USTs. Photo date 2/13/2024. View to east.



Photo 11. Map ID #11. Michael Field DDMS. A pre-approved debris management site. Photo date 2/13/2024. View to northeast.



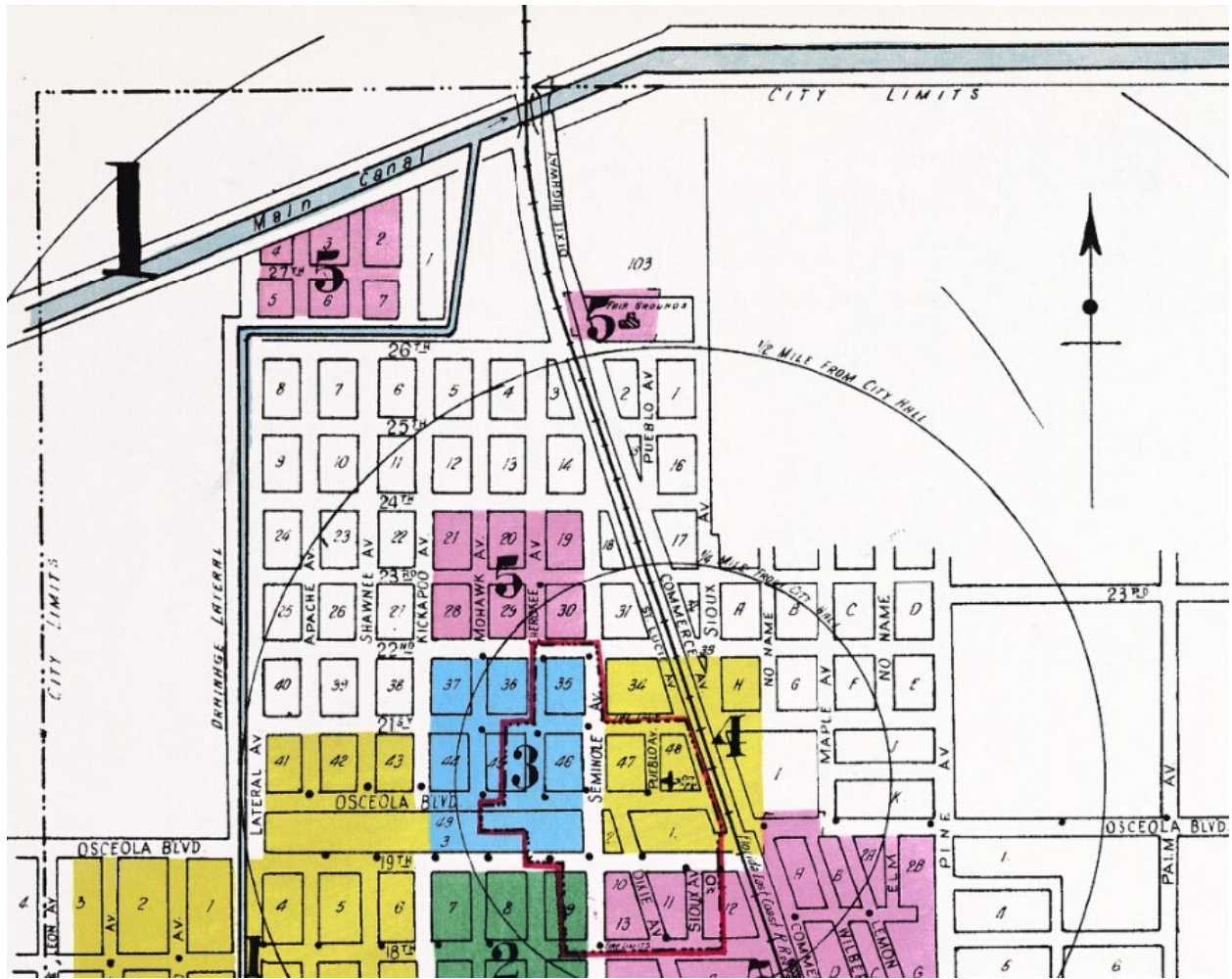
Photo 12. Map ID #12. Moran Service Station. Former gas station. Concrete patching for UST removal and abandoned monitoring wells are evident. Photo date 2/13/2024. View to southeast.



Photo 13. Map ID #13. Amoco #60304 / Country Corner 2602 Inc. Gas station currently operating as Chevron. NFA has been approved. Remediation wells and monitoring wells appear to have been recently abandoned – evident in foreground. Photo date 2/13/2024. View to southeast.

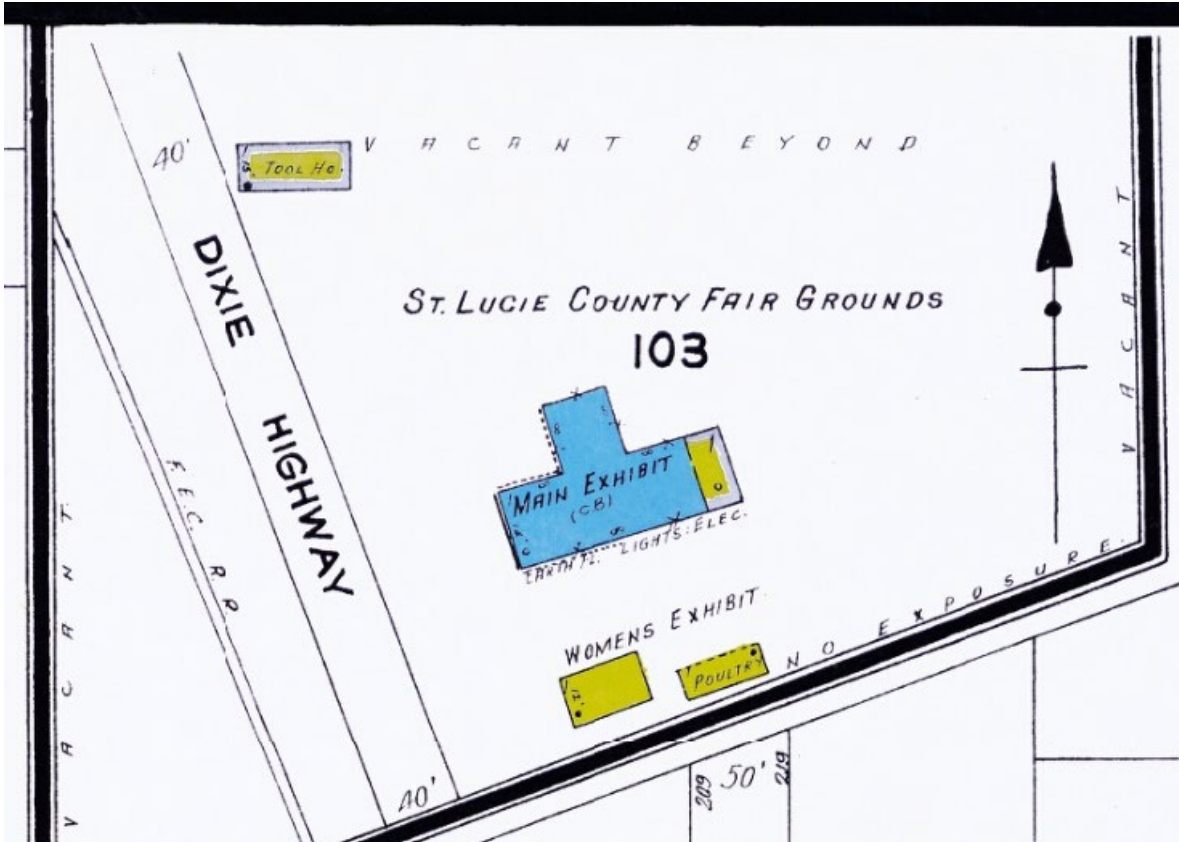
APPENDIX D

Fire Insurance Maps, Topographic Maps, and Historical Aerials



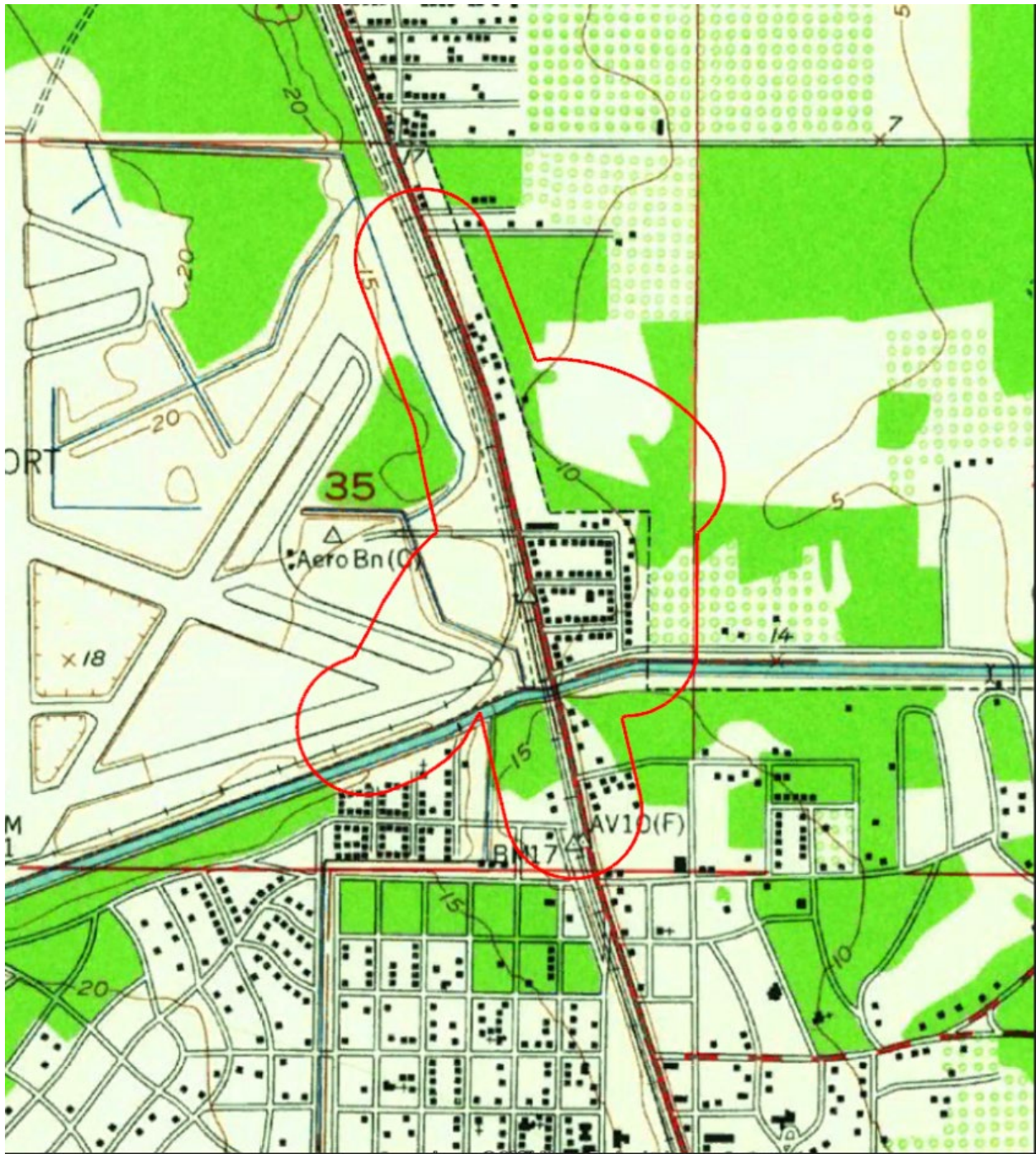
Sanborn Fire Insurance Map, 1923, key sheet

Source: State Universities Libraries of Florida, Publication of Archival Library & Museum Materials (PALMM), Sanborn Fire Insurance Maps of Florida



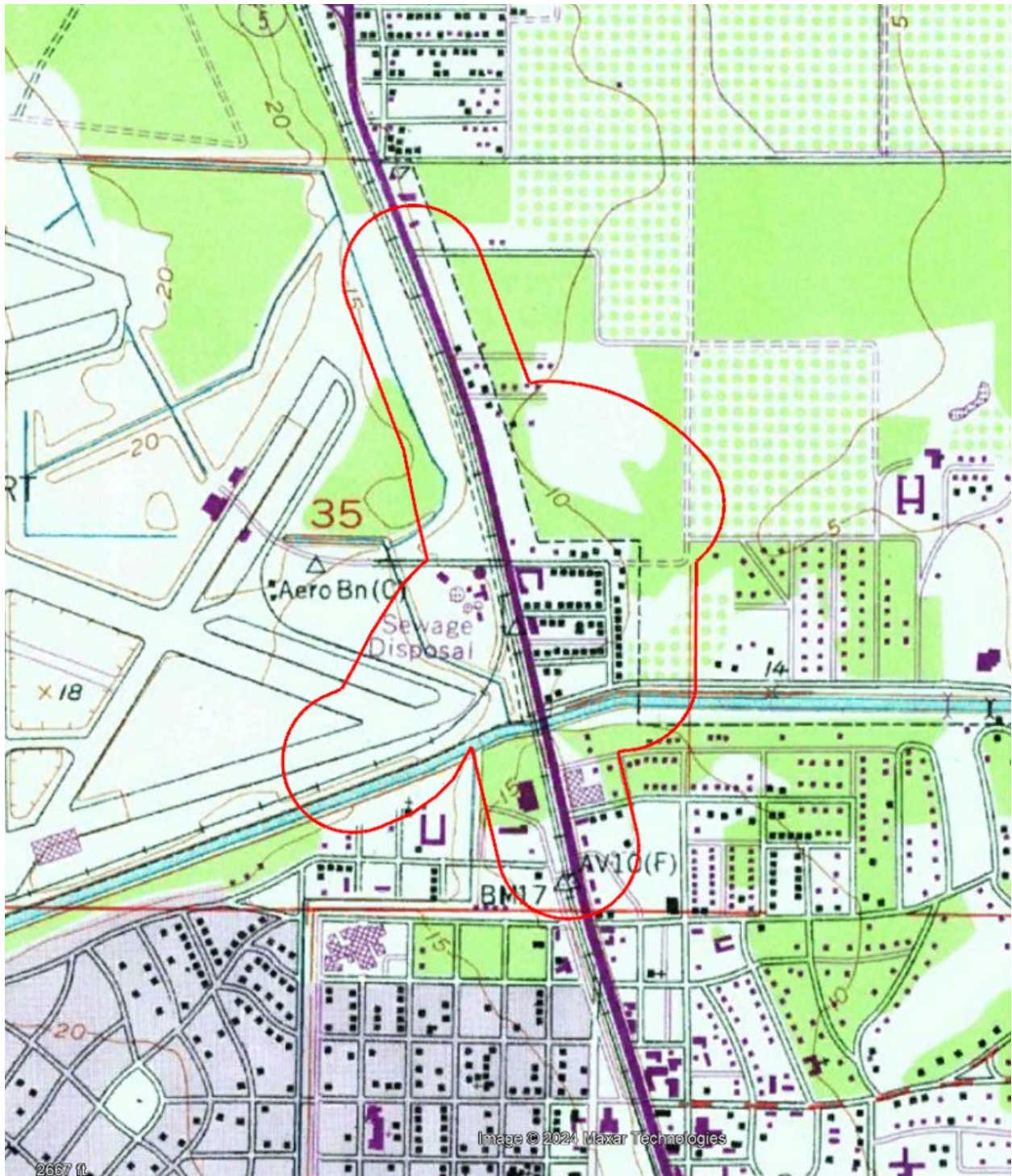
Sanborn Fire Insurance Map, 1923, detail

Source: State Universities Libraries of Florida, Publication of Archival Library & Museum Materials (PALMM), Sanborn Fire Insurance Maps of Florida



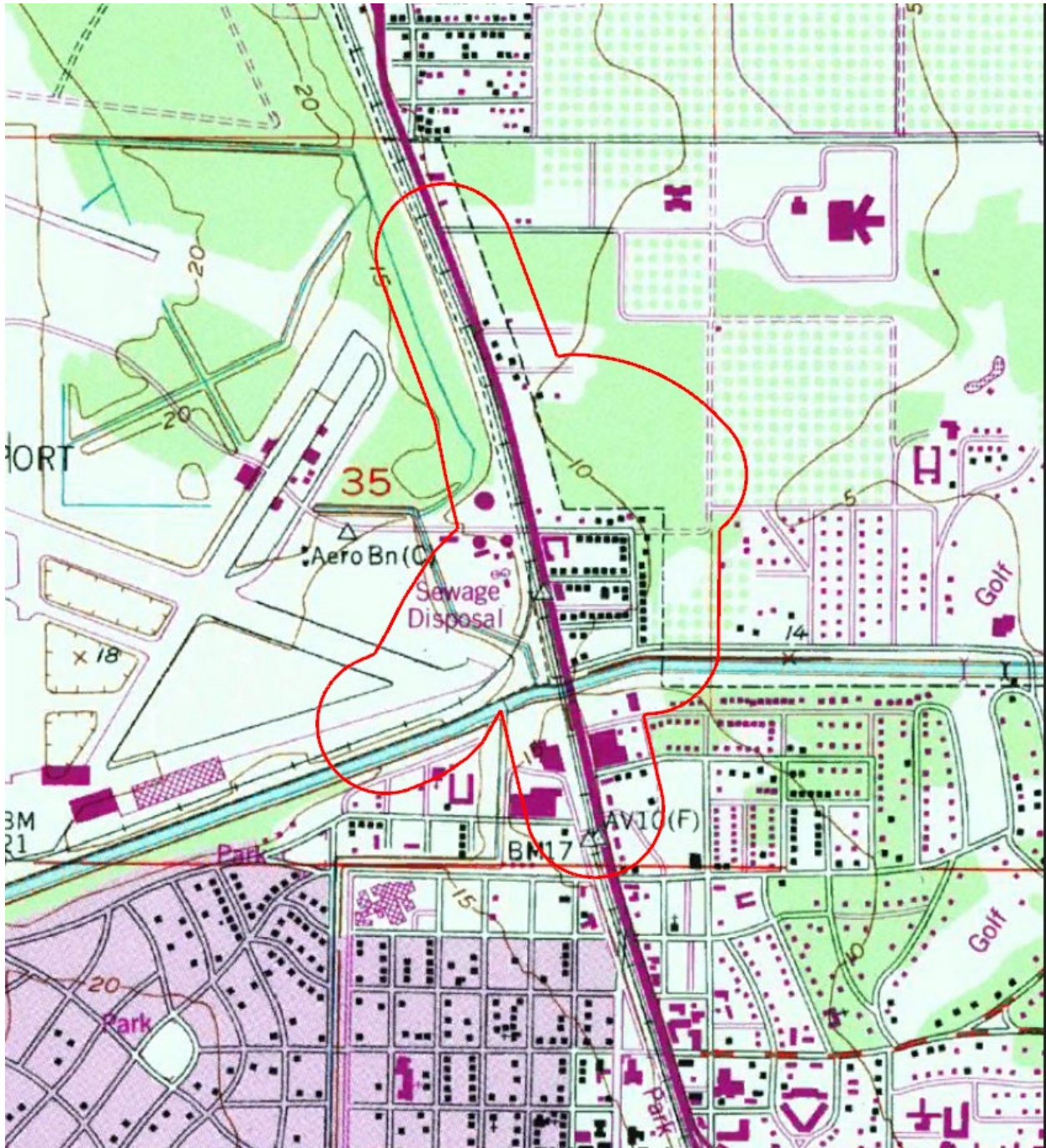
USGS Topographic Map, 1949

For scale and reference, the 500-foot buffer zone of the contamination study area is shown.



USGS Topographic Map, 1949 photorevised 1970

For scale and reference, the 500-foot buffer zone of the contamination study area is shown.



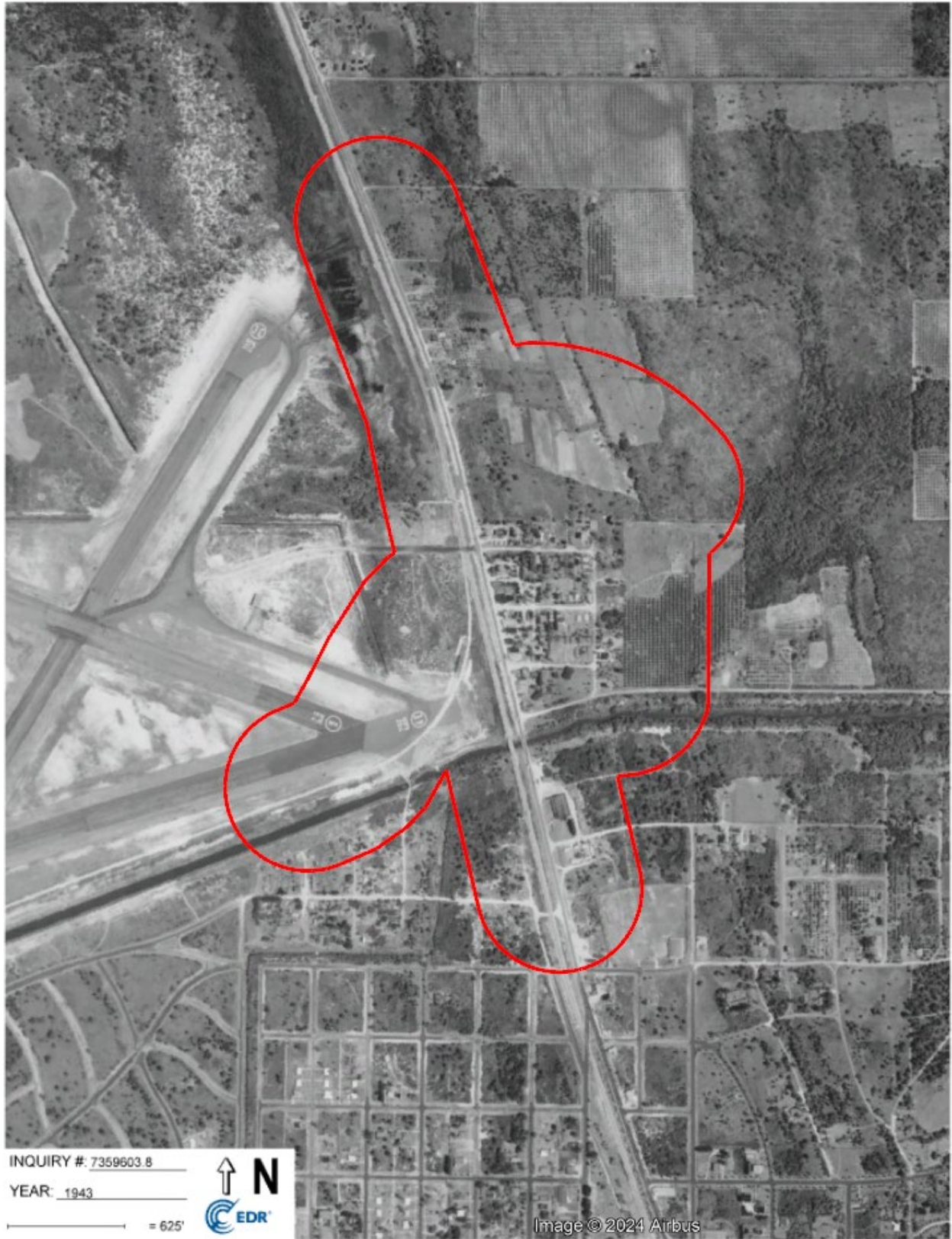
USGS Topographic Map, 1949 photorevised 1983

For scale and reference, the 500-foot buffer zone of the contamination study area is shown.



Topography - LiDAR

Source: SFWMD website, accessed 2023



1943 Historical Aerial. For scale and reference, the 500-foot buffer zone of the contamination study area is shown. Source: EDR



INQUIRY #: 7359603.8

YEAR: 1951

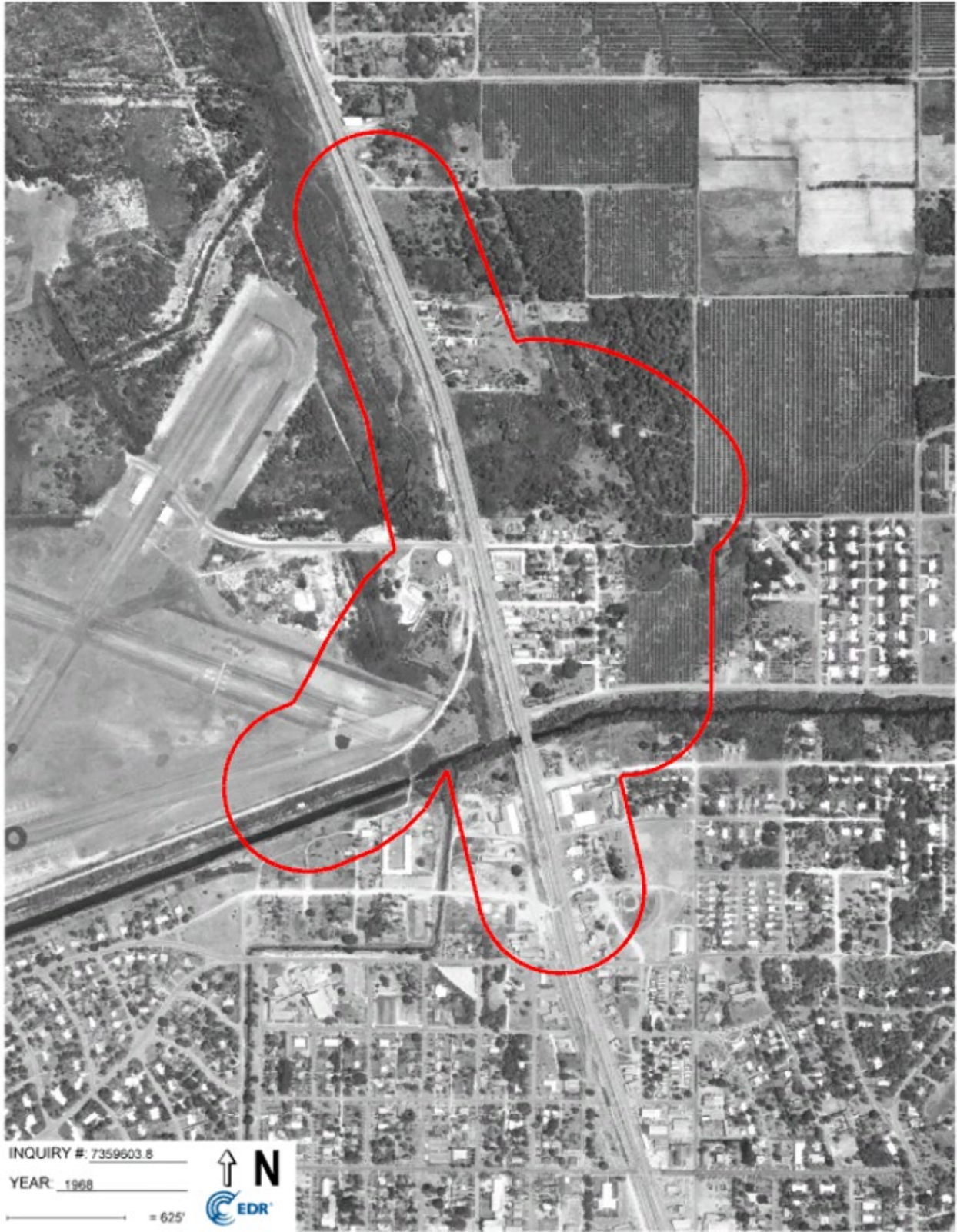


= 625'

1951 Historical Aerial. For scale and reference, the 500-foot buffer zone of the contamination study area is shown. Source: EDR



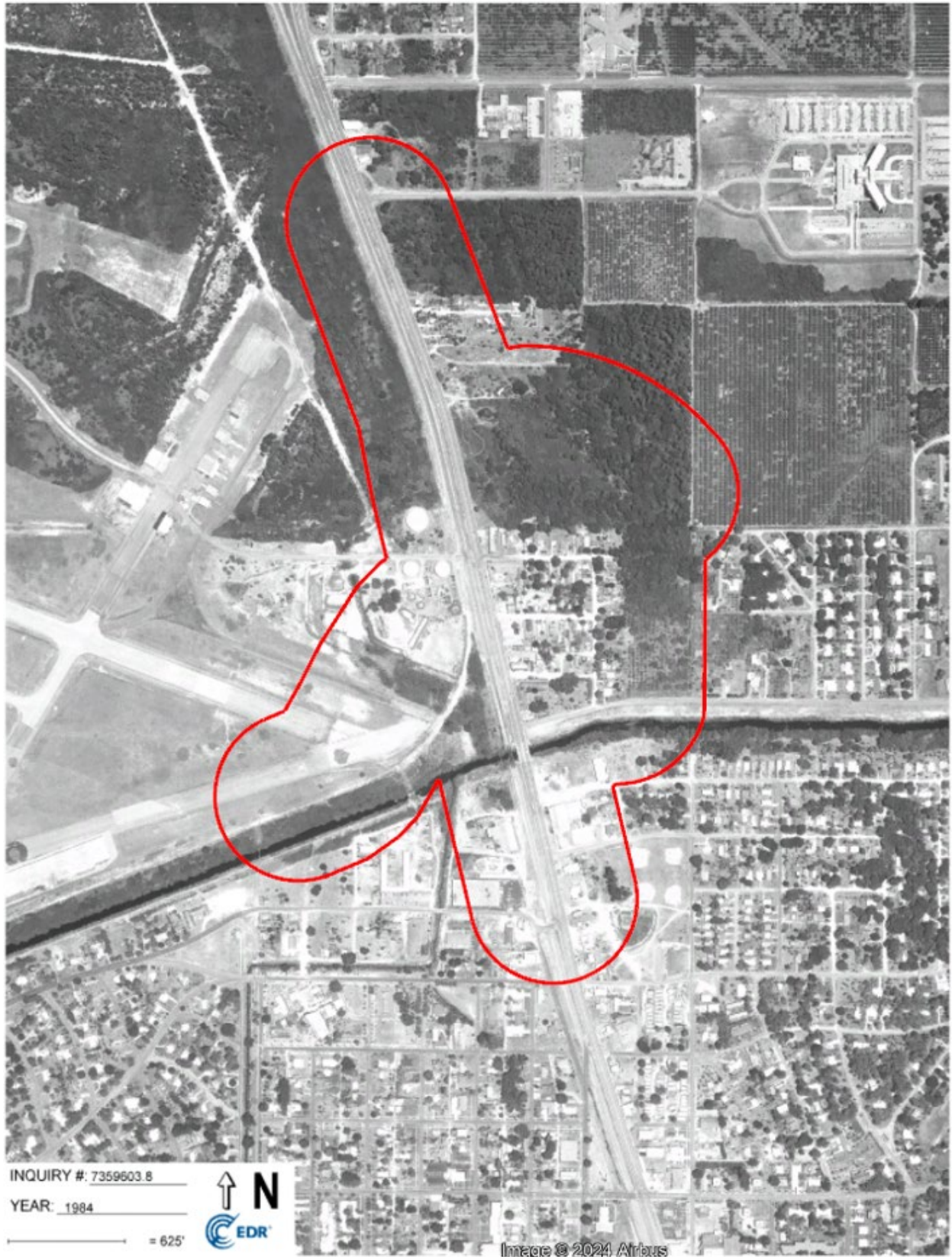
1957 Historical Aerial. For scale and reference, the 500-foot buffer zone of the contamination study area is shown. Source: EDR



1968 Historical Aerial. For scale and reference, the 500-foot buffer zone of the contamination study area is shown. Source: EDR



1974 Historical Aerial. For scale and reference, the 500-foot buffer zone of the contamination study area is shown. Source: EDR



1984 Historical Aerial. For scale and reference, the 500-foot buffer zone of the contamination study area is shown. Source: EDR



1994 Historical Aerial. For scale and reference, the 500-foot buffer zone of the contamination study area is shown. Source: EDR



1999 Historical Aerial. For scale and reference, the 500-foot buffer zone of the contamination study area is shown. Source: EDR



2007 Historical Aerial. For scale and reference, the 500-foot buffer zone of the contamination study area is shown. Source: EDR

APPENDIX E

Site-Specific Details

Appendix E-1, Map ID #1

FEC Railroad



FEC Railroad at Aviation Blvd (Map ID #1).
Source: County property appraiser's website. Aerial dated 2022.

Appendix E-2, Map ID #2

Vero Beach Water Treatment Plant



Vero Beach Water Treatment Plant (Map ID #2). 2005 aerial photograph showing effluent ponds and ditches, including linear pond along Aviation Blvd that receives waste lime sludge.

Source: Google Earth



Vero Beach Water Treatment Plant (Map ID #2). 2007 oblique aerial photograph showing linear effluent pond that receives waste lime sludge. Oblique view to north. Aviation Blvd is in lower right.

Source: Indian River County Property Appraiser Website



Vero Beach Water Treatment Plant (Map ID #2). 2008 aerial photograph showing effluent ponds and ditches, including linear pond along Aviation Blvd that receives waste lime sludge. Construction of drainage features on the southeast side of Aviation Blvd.

Source: Google Earth



Vero Beach Water Treatment Plant (Map ID #2). 2012 aerial photograph showing effluent ponds and ditches, including linear pond along Aviation Blvd that receives waste lime sludge.

Source: Google Earth



Vero Beach Water Treatment Plant (Map ID #2). 2023 oblique aerial photograph showing linear effluent pond that receives waste lime sludge. Oblique view to north. Aviation Blvd is in lower right

Source: Indian River County Property Appraiser Website

Appendix E-3, Map ID #3

Sullivan Property



Sullivan Property (Map ID #3). Map, dated 2022.

Source: Indian River County Property Appraiser Website

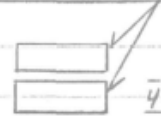


SULLIVAN PROPERTY
1360 29TH STREET
VERO BEACH, FLORIDA 32960



US 1

TWO BARE STEEL 1,000 GAL. STORAGE TANKS



12'

46'

29th STREET

Sullivan Property (Map ID #3). Sketch map of former location of USTs and photo of UST removal. Dated 1998.

Source: FDEP Oculus



Florida Department of Environmental Protection
 Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

UTCI

Division of Waste Management
 Storage Tank Facility Inspection Evaluation

Inspection Date: 7/17/98

Facility ID Number: 9900258 Facility County #: 31 Latitude: 27° 38' 59"

Facility Name: Scullion Property Longitude: 80° 23' 59"

Check type of inspection performed and attach appropriate form(s). Provide or correct latitude/longitude when appropriate.

	Description	Activity Code
<input checked="" type="radio"/>	Compliance Inspection	TCI
<input type="radio"/>	Discharge Compliance Inspection (DRF received)	TDI
<input type="radio"/>	Complaint Compliance Inspection (complaint received)	TPI
<input type="radio"/>	Re-Inspection	TCR
<input type="radio"/>	Installation Inspection	TIN
<input type="radio"/>	Closure Inspection	TXI

Based upon the inspection results and information provided by the owner/operator this facility appears to meet the requirements of Florida Administrative Code 62-761. Yes No

If (No) check the applicable categories:

Facility has minor violations noted.

Facility has moderate violations noted.

Facility has significant violations noted.

Facility Type:

UST

AST

Both

Number	Notes
	2 1000 gal Tanks discovered during site work
	- abandoned by Wilson Petro
	- closure done by REP
	- Tanks appear intact
	- no OVA discovered in soil at time of abandonment

Enter Type of Financial Responsibility. IN SI Other

A re-inspection of this facility will be scheduled on or after _____ days to verify correction of the non-compliance items noted.

Storage Tank Program Office: DWCEH Office Phone Number 561-770-5421

Inspector Name - Please Print: Charles Vogt Facility Representative Name - Please Print: Tom May

Signature: [Signature] Date: 7/17/98 Signature: [Signature] Date: 7/17/98

Page _____ of _____



9800758

August 31, 1998

Mr. Charles Sullivan
760 8th Court, Suite 5
Vero Beach, FL 32962

RE: Sullivan Property, Closure Assessment

Dear Mr. Sullivan:

The department is in receipt of and has reviewed the above referenced document prepared by REP Associates, Inc. At this time, the department requires no further action. Please be advised that the department retains the authority to order additional environmental assessment activities if a situation arises to warrant such action. The department recognizes and appreciates your responsible actions conducted at this facility.

Sincerely,

A handwritten signature in cursive script, appearing to read "C. L. Vogt, III".

Charles L. Vogt, III
Environmental Specialist II

cc: Paul Loudenslager, REP Associates, Inc.

INDIAN RIVER COUNTY HEALTH DEPARTMENT

Environmental Health
1900 - 27th Street
Vero Beach, FL 3296

Telephone: (561)770-5421
Suncom: 268-5421
Fax: (561)770-5407

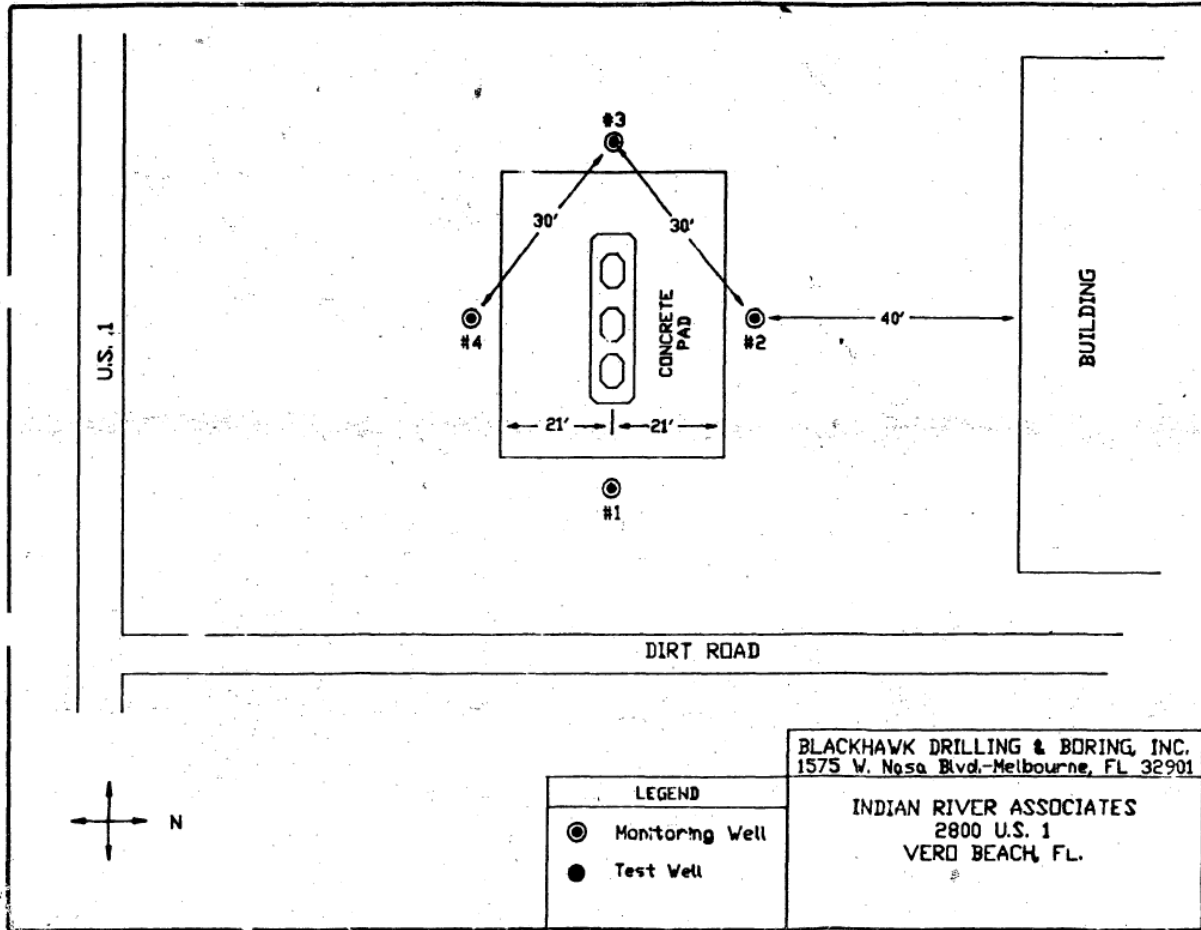
Appendix E-4, Map ID #4

Graves W C JR-Indian River Associates



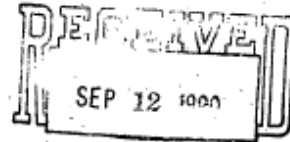
Graves W C JR-Indian River Associates (Map ID #4). Map, dated 2022.

Source: Indian River County Property Appraiser Website



Graves W C JR-Indian River Associates (Map ID #4). Un-scaled sketch from 1987 indicates there were three pumps on a fuel island between a building and US 1 and there were four groundwater monitoring wells around the fuel island.

Source: FDEP Oculus



Department of Environmental Regulation
FEDERAL/STATE STORAGE TANK NOTIFICATION FORM
Form 17-61.090(3)

PLEASE PRINT OR TYPE

(1) DER facility number (if known) _____ (2) County code 31
(3) This information is: original data revision _____
(4) Facility type (see code list (4) on back) H

(5) Facility name WC GRAVES JR + OR INDIAN RIVER ASSOCS
Street address/city/state/zip 2800 No. 05 #1 VERO Bch, FL 32960

(6) Operator ADDISON OIL CO Telephone # (407) 562-1120
Mailing address/city/state/zip P.O. Box 6096 Vero Beach FL 32961
New Operator date (only for change of Operator) ___/___/___

(7) Company/Person owning tank(s) and piping _____
Company address/city/state/zip _____
Contact Person _____ Telephone # (____) _____
New Owner date (only for change of Owner) ___/___/___

(8) Location (optional): Latitude ___° ___' ___" Longitude ___° ___' ___"
Section ___ Township ___ Range ___

(9) Do you have any DER non-registered aboveground tanks holding any of these substances at your facility? Yes ___ No

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	BUNLEADED	X	C	B	X	B	0	10/86
2	1,000	D-DIESEL	X	C	B	X	B	0	10/86
<i>Tanks were removed by new owners and destroyed by DER Compliance</i>									

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

Addison Oil Co
Print name and title of owner, operator or authorized person

F.F. Addison 10-24-88
Signature Date

DER FORM 17-61.090(3) 10/09/86 (1/2)

New owners - Fromery



State of Florida
Department of Environmental Regulation
**Pollutant Storage Tank System
Inspection Report Form**

Facility ID No.: 316842052 County: 31
 Facility Name: Groves, W.C. To Indian River Associates
 Facility Location: 2500 US 1 N Vero Beach
 Operator: _____ Phone: _____
 Owner: _____ Phone: _____
 Latitude _____° _____' _____" Longitude _____° _____' _____" Section _____ Township _____ Range _____

Tank #	Size	Contents	Installation Date	U/A or In-Contact	Tank Construction	Integral Piping	Monitoring System	Tank Status
1	2000	B	XX	U	C	B	Y	B
2	1000	D	XX	U	C	B	Y	B

Comments:


- IRCEH was on site for removal documentation of proper disposal has been submitted by F.L. Addison, and rec. by this office

- check EM NewMart EDI file

- large Boiler diesel still exists on site / G. Pandy tubs.

Inspection Type: <input type="checkbox"/> Complaint Response <input checked="" type="checkbox"/> Initial <input type="checkbox"/> EDI <input type="checkbox"/> Public Well Field <input type="checkbox"/> Reinspection <input type="checkbox"/> Installation <input type="checkbox"/> Tank Removal <input type="checkbox"/> Unregistered	Facility Information: <input checked="" type="checkbox"/> Abandoned <input type="checkbox"/> Aboveground <input type="checkbox"/> Govt.-Federal <input type="checkbox"/> Govt.-Other <input type="checkbox"/> Non-retail <input type="checkbox"/> Retail <input type="checkbox"/> Retrofit (M. or O.) <input type="checkbox"/> Retrofit (L. or R.)
---	---

DER District: Central Local Program: IRCEH

 8/17/90
 Inspector's Signature & Date

 Facility Contact's Signature & Date

Violations must be corrected by: next routine inspection or by: ___ / ___ / ___
 mo / day / yr

DER Form 51-01-58 (04-01-88)

STATE OF FLORIDA
 DEPARTMENT OF ENVIRONMENTAL REGULATION
 POLLUTANT STORAGE TANK SYSTEM
 INSPECTION REPORT FORM - COVER PAGE

PAGE: 1 OF 1

FACILITY ID #: 318842052 COUNTY: INDIAN RIVER
 FACILITY NAME: GRAVES, W C, JR-INDIAN RIVER ASSOCIATES
 FACILITY LOCATION: 2800 US 1 N, VERO BCH
 FACILITY CONTACT: ADDISON OIL CO PHONE: (407) 562-1030
 OWNER: GRAVES, W C PHONE: (800) 000-0000
 OWNER ADDRESS: 2800 US 1 N, VERO BCH, FL, 32960-0000
 OWNER CONTACT: F L ADDISON OWNER CHANGE DATE 00/00/00

LATITUDE: 27-39-10 LONGITUDE: 80-24-30 FAC TYPE: AGRIBUSINESS

TANK #	SIZE	CONTENT	INSTALL DATE	UNDER OR ABOVE	TANK TYPE	INTEGRAL PIPING	MONITORING SYSTEM	TANK STAT
1	2000	B	XX/XX	U	C	B	Y	B
2	1000	D	XX/XX	U	C	B	Y	B

COMMENTS: Tanks previously abandoned
 per F. Addison & Treasure Coast pump and
 tank - Heating oil tank still on premises
 - site would be possibly ATRP

INSPECTION TYPE (CHOOSE ONE) SITE INFORMATION (ALL THAT APPLY)
 ROUTINE DISCHARGE NEAR PUB WELL REPAIRED
 INSTALL CLOSURE CONTAMINATED UPGRADED
 ABANDONED REINSPECT COMPLAINT UST & AST
 ACID TANKS HAZARD MAT

DER DISTRICT OR LOCAL PROGRAM: IRCEH
 INSPECTOR NAME (PRINT) Charles Vogt CONTACT NAME (PRINT) _____
Charles Vogt 8/30/91 _____
 INSPECTOR'S SIGNATURE & DATE CONTACT'S SIGNATURE & DATE

DER FORM 761-01-91

Appendix E-5, Map ID #5

Vero Beach City - WTP

Facility ID: 9202133

Added Date 05/29/2020

Tank #12 660 gallons sub base



Added Date 05/29/2020

Tank #14 5,000 gallon EnviroSAFE



Added Date 05/29/2020

Tank #15 3,500 gallon Modern Welding



Added Date 05/29/2020

Tank #16 6,000 gallon Modern Welding



Vero Beach Water Treatment Plant (Map ID #5). Photographs of ASTs

Source: FDEP Storage Tank Facility Routine Compliance Site Inspection Report dated 5/25/2020

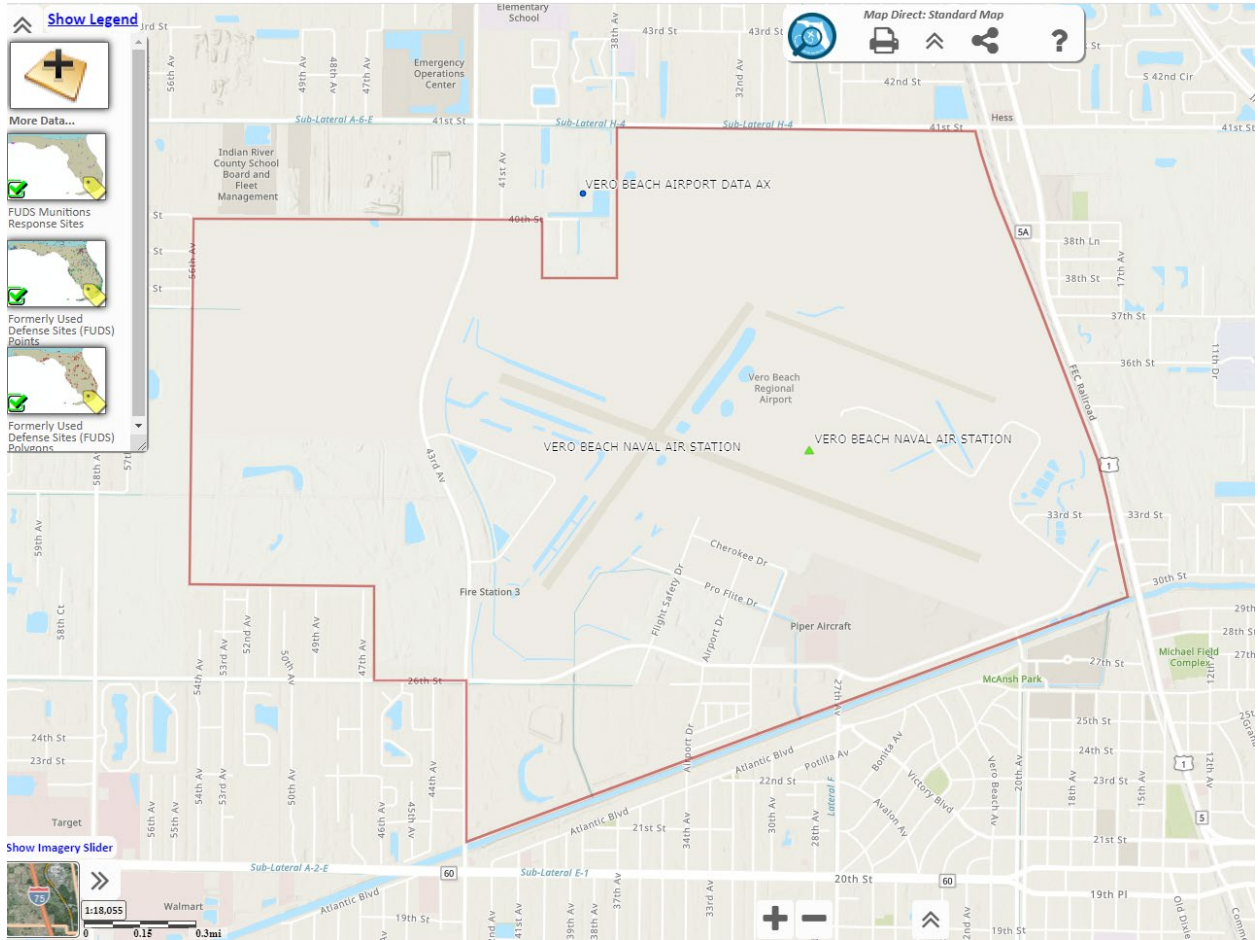


Vero Beach Water Treatment Plant (Map ID #5). 2023 oblique aerial photograph of the closest of the ASTs at the Vero Beach Water Treatment Plant to the project alternatives. Aviation Blvd in the foreground; FEC Railroad at right. View to north.

Source: Indian River County Property Appraiser Website

Appendix E-6, Map ID #6

Vero Beach Naval Air Station Formerly Used Defense Site (FUDS)



Vero Beach Naval Air Station FUDS (Map ID #6) - Map

Source: FDEP Map Direct 9/5/2023

Appendix E-7, Map ID #7

Orange Blossom Village



Orange Blossom Village (Map ID #7). Map, dated 2022. AST location marked in red.

Source: Indian River County Property Appraiser Website

Facility ID: 9819068

Added Date 05/25/2022

Base tank



Added Date 05/25/2022

Supply & return



Added Date 05/25/2022

Fill & vents



Added Date 05/25/2022

Tank data

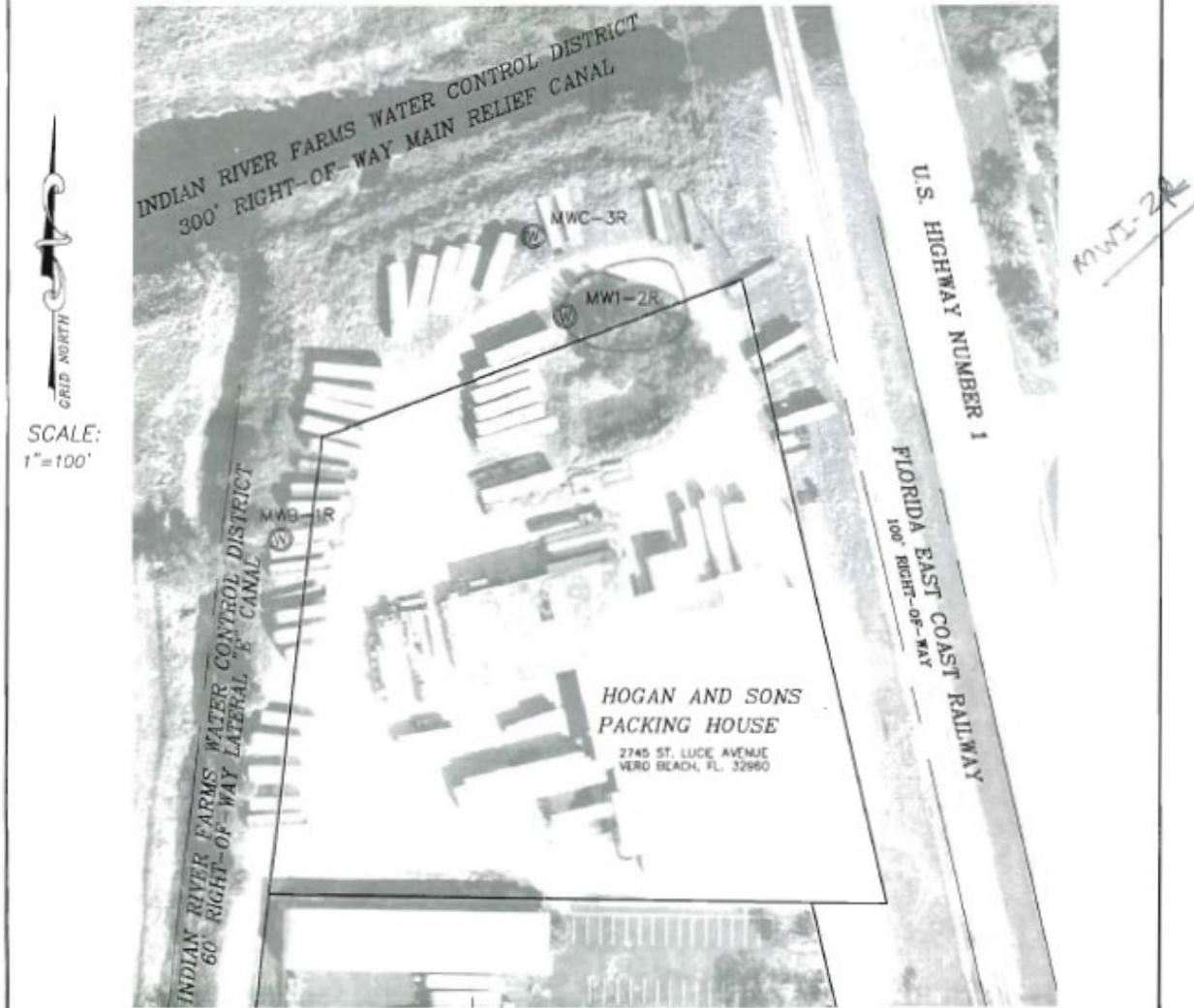


Orange Blossom Village (Map ID #7). Photographs of AST and generator
Source: FDEP Storage Tank Facility Installation Site Inspection Report dated 5/24/2022

Appendix E-8, Map ID #8

Hogan & Sons Citrus Packers

MONITORING WELL REPORT



MONITORING WELL TABLE:

WELL #	LATITUDE (NORTHING)	LONGITUDE (EASTING)	GROUND ELEV.	TOP OF CASEMENT ELEV.	TOP OF P.V.C. ELEV.	WATER DEPTH IN PIPE	WATER ELEV. IN PIPE
MW1-2R	27°38'55.318"N (N 1205459.19)	80°24'03.822"W (E 850063.24)	12.98/11.50	16.04/14.56	16.07/14.59	-12.56	3.51/2.03
MWC-3R	27°38'55.853"N (N 1205513.05)	80°24'04.066"W (E 850041.01)	13.50/12.02	16.38/14.90	16.41/14.93	-13.61	2.80/1.32
MWB-1R	27°38'53.841"N (N 1205309.04)	80°24'05.996"W (E 849868.42)	14.45/12.97	17.15/15.67	17.14/15.66	-15.29	1.85/0.37

Hogan & Sons Citrus Packers (Map ID #8) - Map
Effluent pond was south of groundwater monitoring well MW1-2R

Source: FDEP Oculus



Hogan & Sons Citrus Packers (Map ID #8). 2008 aerial photograph, wastewater effluent pond is evident

Source: Google Earth



Hogan & Sons Citrus Packers (Map ID #8). 2021 aerial photograph, wastewater effluent pond filled

Source: Google Earth

Appendix E-9, Map ID #9

Hogan & Sons, Inc



Hogan & Sons, Inc. (Map ID #9). Map, dated 2022.

Source: Indian River County Property Appraiser Website



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 Re-Inspection Site Inspection Report

Facility Information:

Facility ID:	8944761	County:	INDIAN RIVER	Inspection Date:	10/22/2013
Facility Type:	M -Agricultural				
Facility Name:	HOGAN & SONS INC			# Of Inspected ASTs:	1
	2745 N SAINT LUCIE AVENUE			USTs:	0
	VERO BEACH, FL 32960			Mineral Acid Tanks:	0
Latitude:	27° 38' 53.4696"				
Longitude:	80° 24' 4.4835"				
LL Method:	DPHO				

Inspection Result:

Result : In Compliance
Description: Facility is In Compliance.

Financial Responsibility

Financial Responsibility: INSURANCE
Insurance Carrier: CHARTIS SPECIALTY INSURANCE CO
Effective Date: 11/12/2012 Expiration Date: 11/12/2013

Signatures:

TKBVNR - BREVARD COUNTY NATURAL RESOURCES MGMT OFFICE

Storage Tank Program Office

(321) 633-2017

Storage Tank Program Office Phone Number

Chris A. Ulrich

INSPECTOR NAME

INSPECTOR SIGNATURE

Maria

REPRESENTATIVE NAME

REPRESENTATIVE SIGNATURE

Activity Opened Date: 10/23/2013

Page 1 of 2

Ulrich, Chris

Facility ID: 8944761

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 requires Operator Training at all facilities by August 8, 2012. For further information please visit: http://www.dep.state.fl.us/waste/categories/tanks/pages/op_train.htm

Site Visit Comments

10/22/2013

On site at about 12:10 am.

Inspection Comments

10/23/2013

On site at about 12:10 pm on 22 October, 2013. The 1,000 gallon fuel tank has been removed from site. A photograph was taken showing that the tank is gone and the concrete secondary containment remains. Please submit a Storage Tank Registration to the Florida Department of Environmental Protection (FDEP) registration office (Tallahassee) stating that the tank status is "B" removed from site.

In that there are no previous records of any petroleum discharges or incidents at the facility, you are not required to perform closure assessment activities for this tank removal. Additionally, the tank was installed initially in secondary containment.

The two non-compliance items have been resolved. Do not renew your pollution liability insurance. The existing 500 gallon AST is exempt from the tank rule (62-761 FAC).

Inspection Photos

Added Date 10/23/2013

1000 gallon AST removed



Appendix E-10, Map ID #10

Treasure Coast Oil / Tire Kingdom



Treasure Coast Oil / Tire Kingdom (Map ID #10). Map, dated 2022.

Source: Indian River County Property Appraiser Website

STATE OF FLORIDA
 DEPARTMENT OF ENVIRONMENTAL REGULATION
 POLLUTANT STORAGE TANK SYSTEM
 INSPECTION REPORT FORM - COVER PAGE

PAGE: 1 OF 1

FACILITY ID #: 318520279 COUNTY: INDIAN RIVER
 FACILITY NAME: TREASURE COAST OIL, INC(TIRE KINGDOM)
 FACILITY LOCATION: 2746 COMMERCE AVE, VERO BEACH
 FACILITY CONTACT: TIRE KINGDOM PHONE: () -
 OWNER: TIRE KINGDOM PHONE: (407) 442-4290
 OWNER ADDRESS: 2746 COMMERCE AVE, VERO BEACH, FL, 32960-0000
 OWNER CONTACT: OWNER CHANGE DATE 00/00/00
 2001 N Congress Vero Beach FL 33404
 LATITUDE: 27-39-00 LONGITUDE: 80-23-50 FAC TYPE: NON-RETAIL BUSINESS

TANK #	SIZE	CONTENT	INSTALL DATE	UNDER OR ABOVE	TANK TYPE	INTEGRAL PIPING	MONITORING SYSTEM	TANK STAT
1	5000	B	03/67	U	C	ACG	Y	B
2	5000	A	03/67	U	C	ACG	Y	B
3	3000	D	03/67	U	C	ACG	Y	B

COMMENTS: Tanks were removed in 1999-90 - need to have
 closure done for Tank A-1A

INSPECTION TYPE (CHOOSE ONE) SITE INFORMATION (ALL THAT APPLY)
 ROUTINE DISCHARGE NEAR PUB WELL REPAIRED
 INSTALL CLOSURE CONTAMINATED UPGRADED
 ABANDONED REINSPECT COMPLAINT UST & AST
 ACID TANKS HAZARD MAT

DER DISTRICT OR LOCAL PROGRAM: INCPHU
 INSPECTOR NAME (PRINT) Purdy CONTACT NAME (PRINT) _____
 INSPECTOR'S SIGNATURE & DATE [Signature] CONTACT'S SIGNATURE & DATE _____

DER FORM 761-01-91

Treasure Coast Oil / Tire Kingdom. The location of this facility is not certain. FDEP Map Direct indicates the location is at the southeast corner of SR 5/US 1 and 28th Street and therefore is adjacent to the project alternatives. However, on this FDEP inspection form dated 1991, the coordinates place the location approximately 2,000 feet south-southeast of the southernmost project alternative.

Source: FDEP Oculus



GLASGOW EQUIPMENT SERVICE INC.

1750 HILL AVENUE
P.O. BOX 8057 WEST PALM BEACH, FLORIDA 33407
TELEPHONE: (407) 842-7236 FAX: (407) 842-7402



CV —

APRIL 22, 1992

MR. GARY PURDY
ENVIRONMENTAL HEALTH
HRS - INDIAN RIVER COUNTY PUBLIC HEALTH UNIT
1111 36TH STREET - 2ND FLOOR
VERO BEACH, FL 32960

SUBJECT: CLOSURE ASSESSMENT REPORT
TIRE KINGDOM
2746 COMMERCE AVENUE
VERO BEACH, FL 32960

DEAR MR. PURDY:

WE PERFORMED A CLOSURE ASSESSMENT FOR THE SUBJECT SITE AT TWO FORMER LOCATIONS OF UNDERGROUND STORAGE TANKS. NO INFORMATION WAS AVAILABLE FOR THE SIZES OF THE TANKS, TYPE OF PRODUCT STORED OR DATE WHEN THE TANKS WERE REMOVED.

FIVE SOIL BORINGS WERE TAKEN AT EACH OF TWO LOCATIONS AND A FOXBORO CENTURY 128 ORGANIC VAPOR ANALYZER (OVA) WAS UTILIZED TO SCAN FOR VOLATILE ORGANIC VAPORS IN ACCORDANCE WITH F.A.C. 17-770.200(2). OVA RESULTS WITH LOCATIONS KEYED TO SITE PLANS ARE ENCLOSED WITH THIS REPORT.

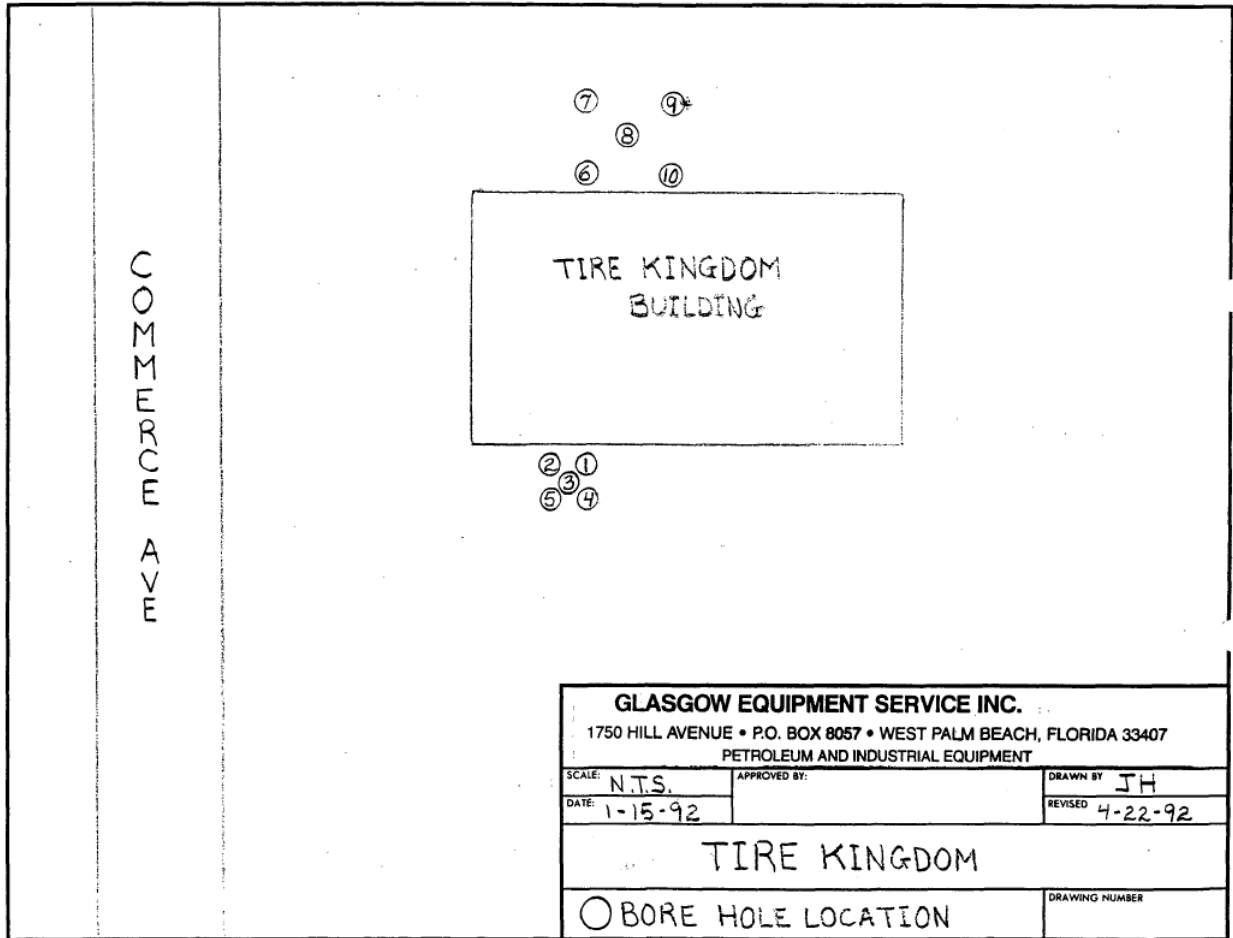
TWO GROUNDWATER SAMPLES WERE COLLECTED AT EACH LOCATION AND SUBMITTED TO MCGINNES LABORATORIES FOR ANALYSIS BY EPA METHOD 602 AND 610. RESULTS ARE INCLUDED WITH THIS REPORT.

WHEREAS IT IS NOT POSSIBLE TO TOTALLY RULE OUT CONTAMINATION AT A SITE WITHOUT UNDERTAKING AN EXTENSIVE FIELD AND LABORATORY INVESTIGATION, IT IS OUR OPINION, BASED UPON THE TEST RESULTS OF THIS REPORT, THAT FURTHER ENVIRONMENTAL INVESTIGATION OF THE SITE IS NOT REQUIRED OR WARRANTED.

SHOULD YOU NEED ANY FURTHER INFORMATION OR HAVE ANY QUESTIONS REGARDING THIS REPORT, PLEASE CONTACT OUR OFFICE.

SINCERELY,

JAY W. HESS
ENVIRONMENTAL ENGINEER



Treasure Coast Oil / Tire Kingdom (Map ID #10). Un-scaled sketch from 1992 indicates the soil boring locations for OVA testing.

Source: FDEP Oculus

Appendix E-11, Map ID #11

Michael Field DDMS



Michael Field DDMS (Map ID #11) – a pre-approved disaster debris management site

Source: County property appraiser's website. Aerial dated 2022.

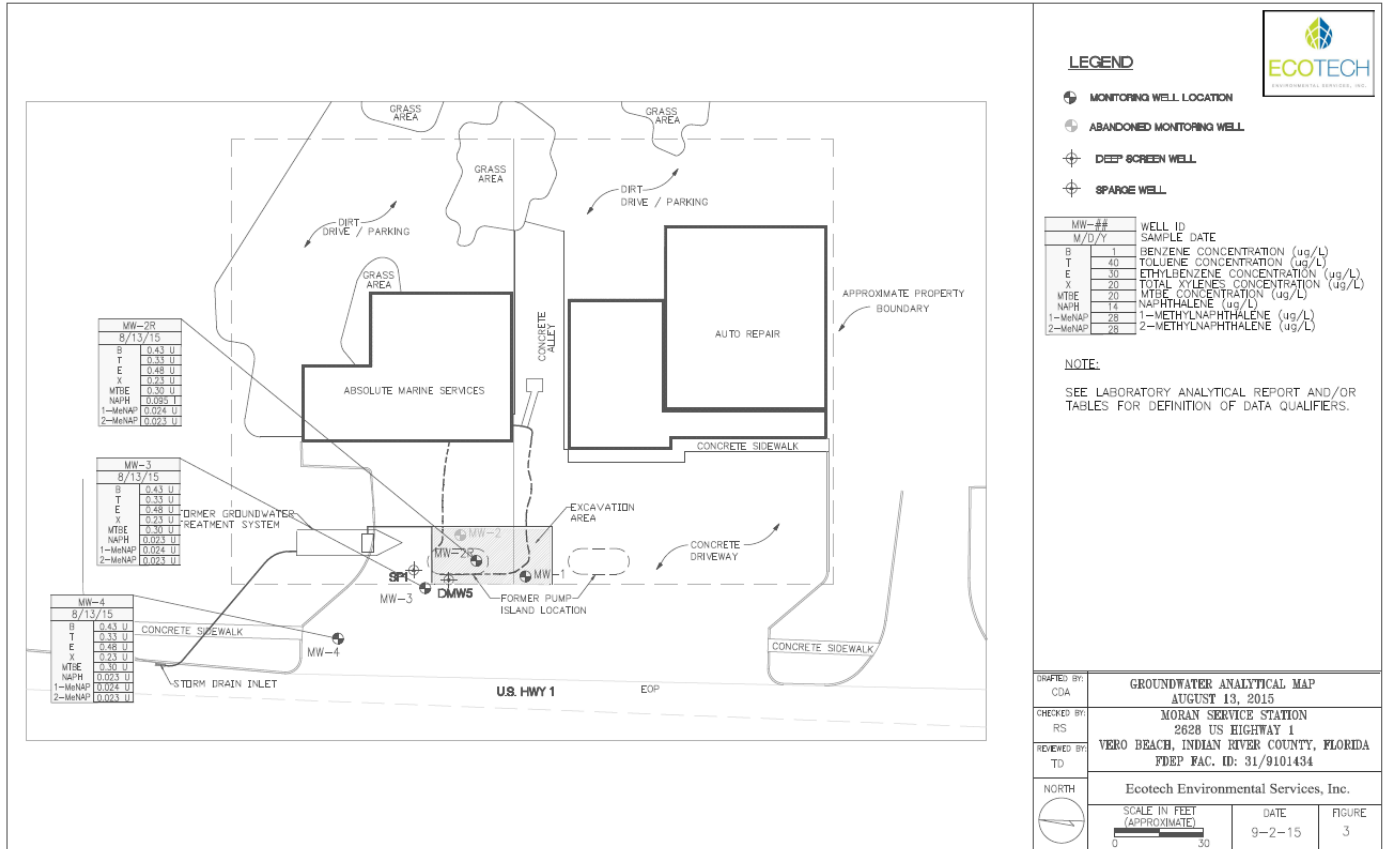
Appendix E-12, Map ID #12

Moran Service Station



Moran Service Station (Map ID #12). Map dated 2022. Former gas station.

Source: County property appraiser's website.



Moran Service Station (Map ID #12). Location of former USTs and map of groundwater analytical results.

Source: Year 2 Quarter 1 Post Active Remediation Monitoring Report dated 9/10/2015.

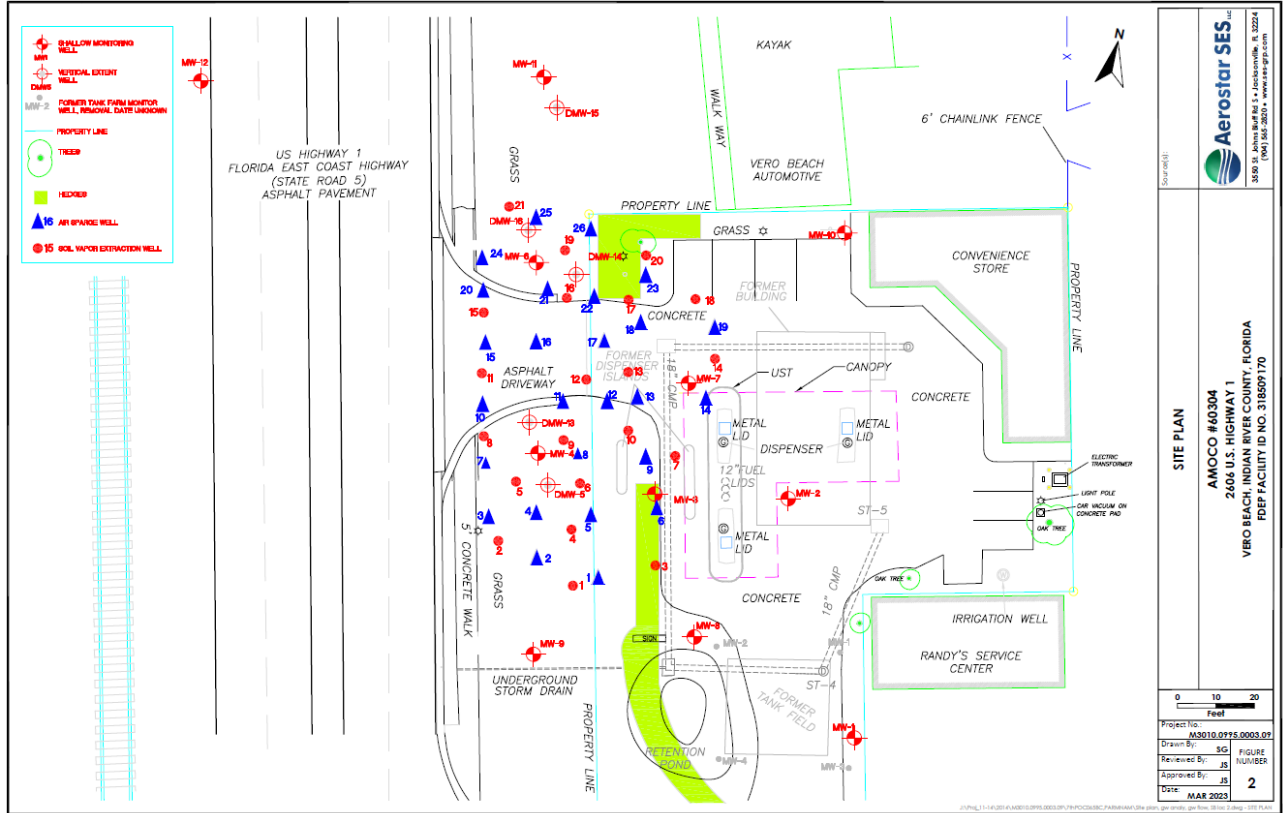
Appendix E-13, Map ID #13

Amoco #60304 / Country Corner 2602 Inc



Amoco #60304 / Country Corner 2602 Inc. (Map ID #13). Map dated 2022. Current Chevron gas station.

Source: County property appraiser's website.



Amoco #60304 / Country Corner 2602 Inc. (Map ID #13). Site plan including locations of air sparge wells, soil vapor extraction wells, and monitoring wells.

Source: Year One Quarter Two Natural Attenuation Monitoring Report and No Further Action Proposal dated 3/29/2023.

APPENDIX F

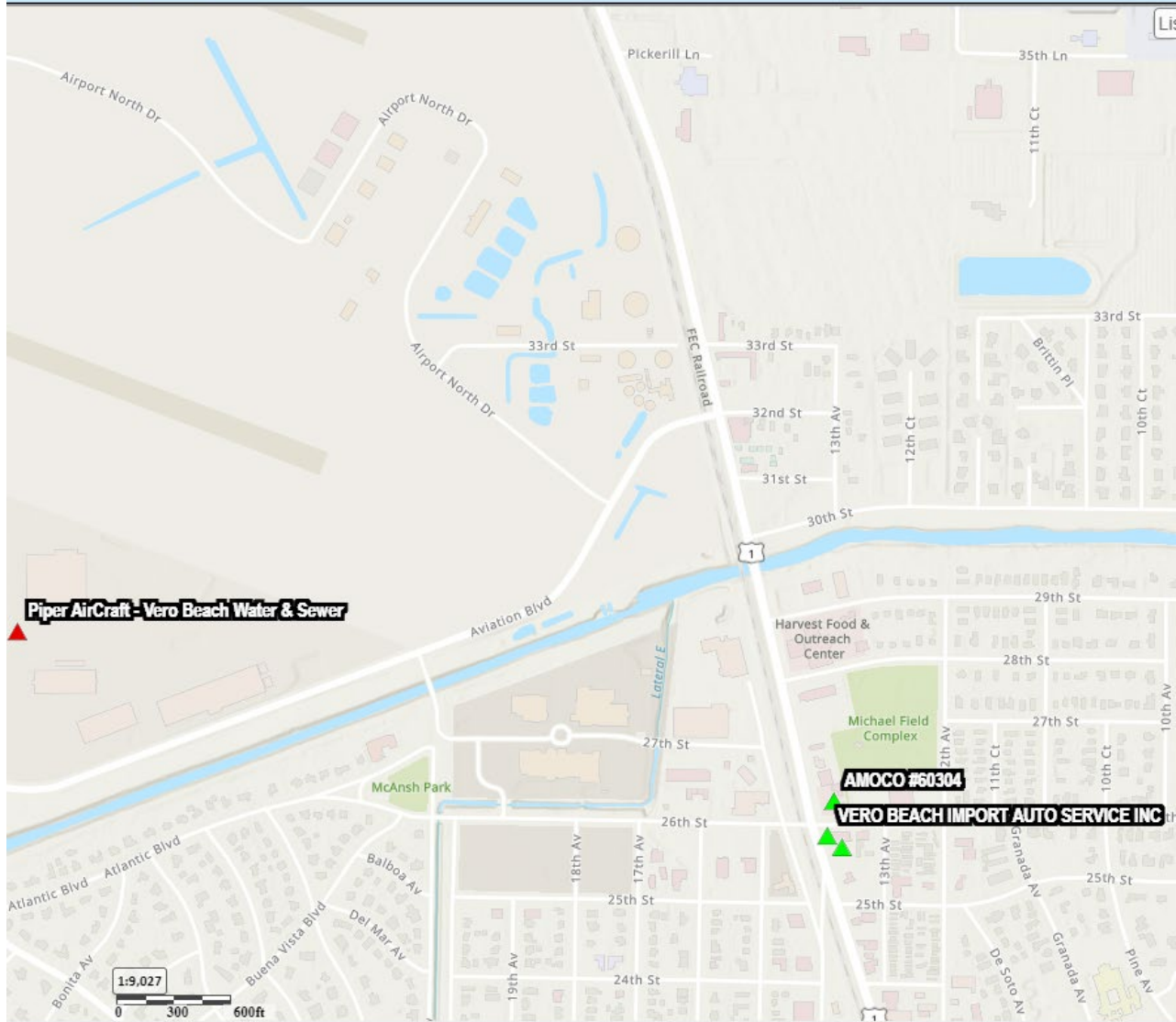
Database Search Results and Radius Map Report



CONTAMINATION LOCATOR MAP

Filter: Brownfield Sites Other Waste Cleanup Petroleum PFAS Sites Superfund | [\[Help\]](#)

Search within: mile radius of

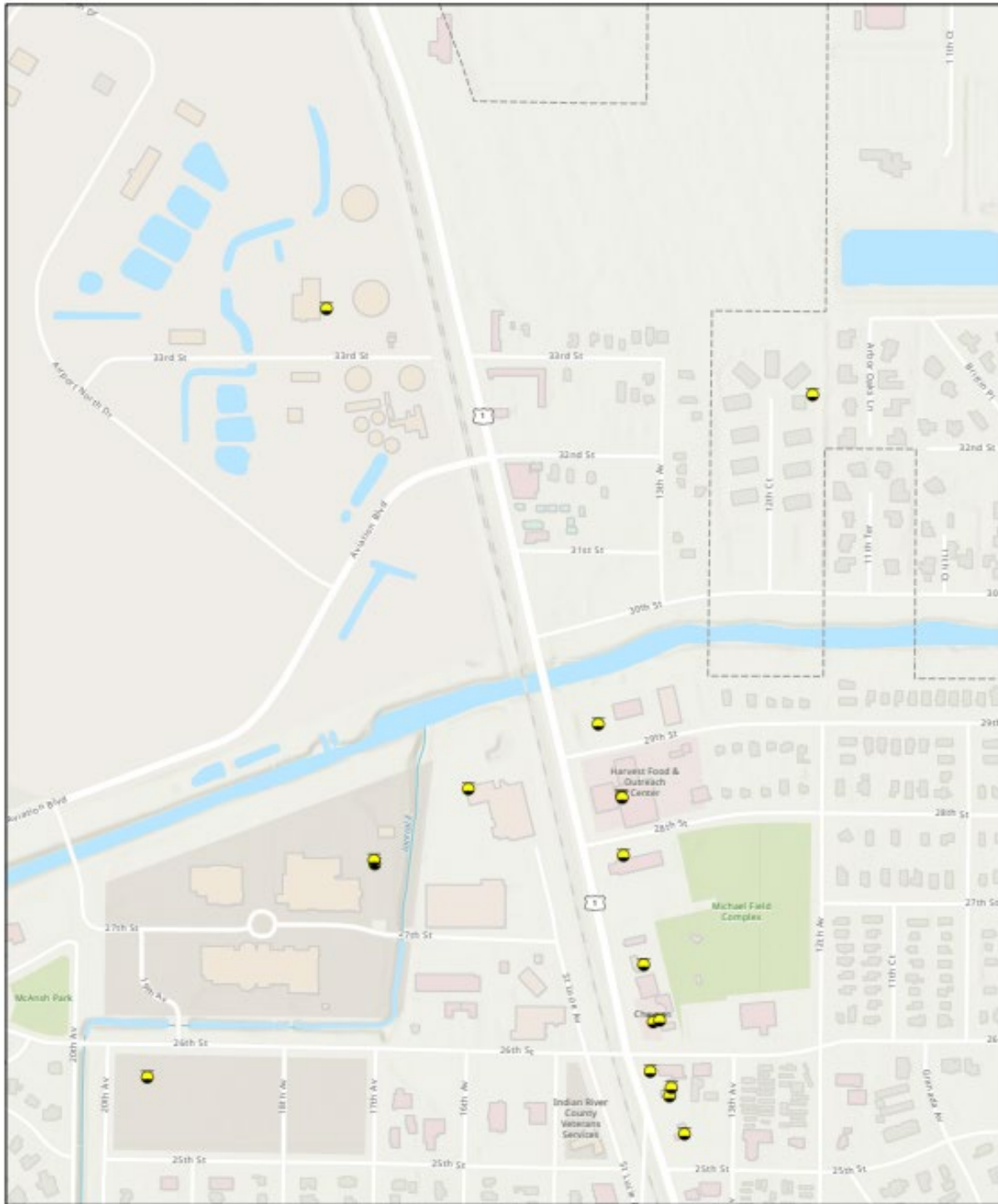


FDEP Contamination Locator Map

All sites shown are outside the 500 foot buffer zone of the contamination study area.

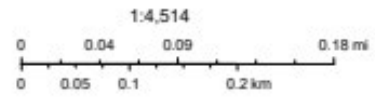
Source: FDEP Map Direct 9/5/2023

Storage Tank Regulation (STCM) Map



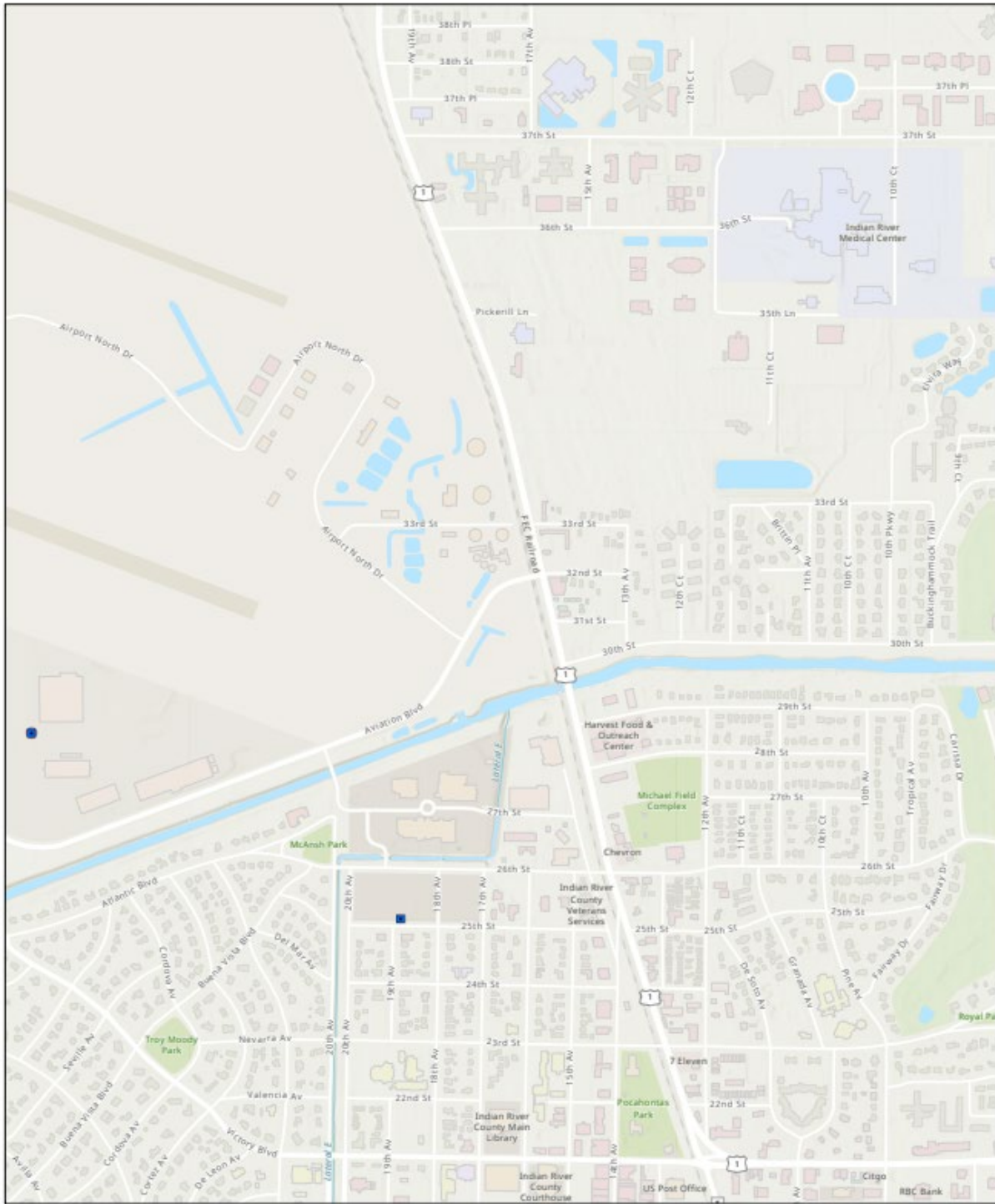
September 7, 2023

 Registered Tanks from STCM

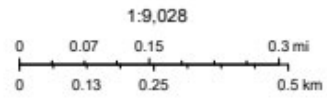


FDEP Storage Tank Regulation Map
Source: FDEP Map Direct 9/5/2023

DWM ERIC Sites

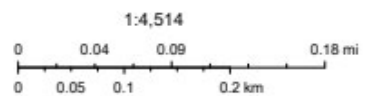
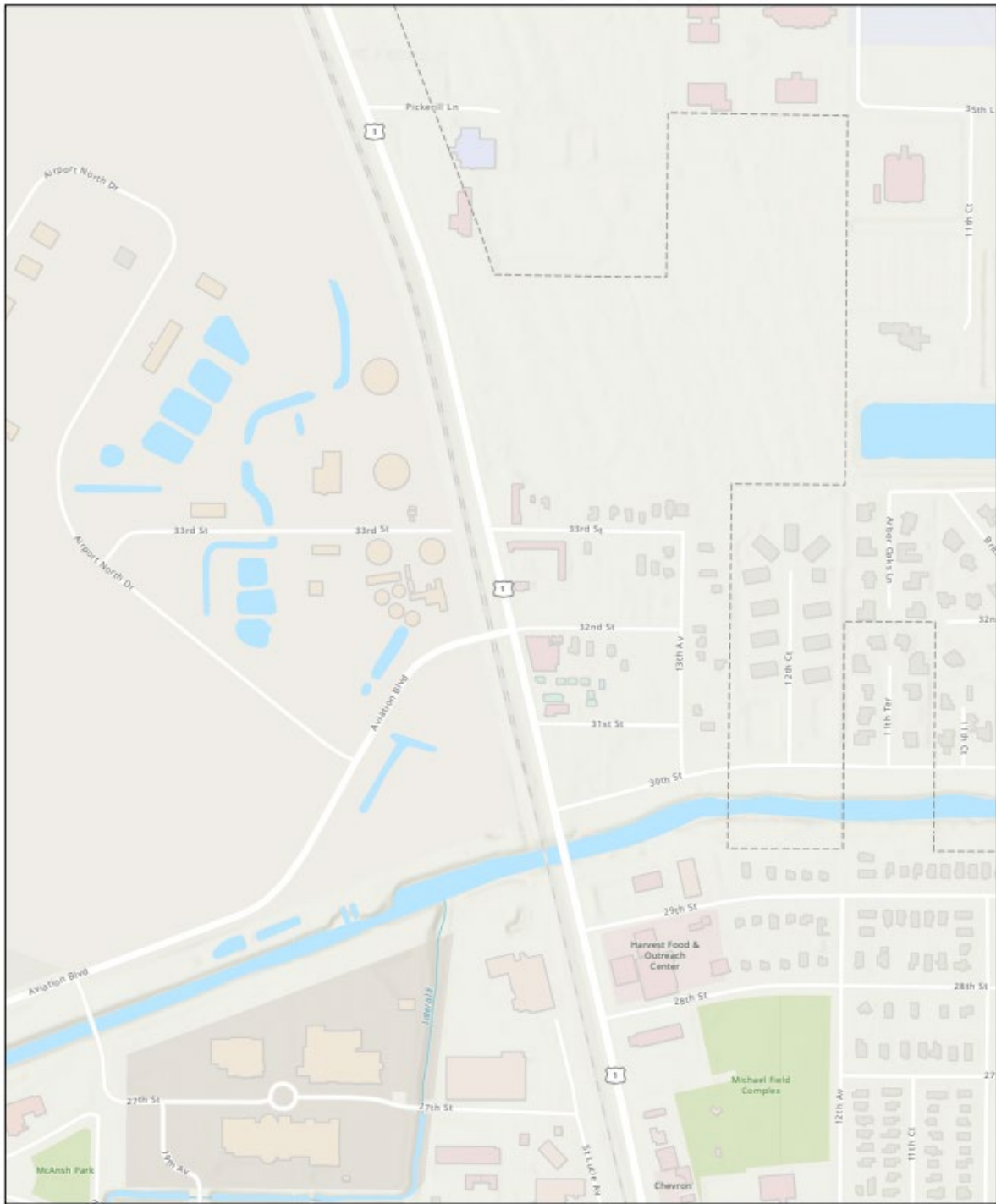


September 7, 2023
 Superfund Waste Cleanup Sites
 ● NPL
 ■ ERIC Waste Cleanup



FDEP Division of Waste Management ERIC Sites
 Source: FDEP Map Direct 9/5/2023

Institutional Controls Registry (ICR) Map



FDEP Institutional Controls Registry Map
No sites in this field of view
Source: FDEP Map Direct 9/5/2023

SR-5/Aviation Blvd

3106 US Hwy 1/ Multiple Addresses

Vero Beach, FL 32960

Inquiry Number: 7359603.2s

June 08, 2023

EDR Summary Radius Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	364
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-16
Physical Setting Source Map Findings	A-18
Physical Setting Source Records Searched	PSGR-1

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. **NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT.** Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

3106 US HWY 1/ MULTIPLE ADDRESSES
VERO BEACH, FL 32960

COORDINATES

Latitude (North): 27.6507080 - 27° 39' 2.54"
Longitude (West): 80.4004460 - 80° 24' 1.60"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 559140.4
UTM Y (Meters): 3058484.0
Elevation: 11 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: TP
Source: U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150904
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
3106 US HWY 1/ MULTIPLE ADDRESSES
VERO BEACH, FL 32960

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	PIPER AIRCRAFT CORP.	PIPER DR & AVIATION	NPL, SEMS, RCRA-LQG, US ENG CONTROLS, US INST...	Same	358, 0.068, West
1	BRACKETT FAMILY LTD	3146 13TH AVE	ASBESTOS	Lower	1 ft.
A2	RIVERFRONT GROVES IN	4889 NORTH FEDERAL H	RCRA NonGen / NLR, FINDS, ECHO	Higher	1 ft.
A3	VERO BEACH DEMINERAL	3225 NORTH U S HIGHW	FINDS, ECHO	Higher	1 ft.
4	ORCHID ISLAND GOLF &	9975 N AIA	UST, AST, Financial Assurance	Lower	1 ft.
B5	COURTESY AUTO SERVIC	2800 US HIGHWAY 1	RCRA NonGen / NLR, FINDS, ECHO	Higher	1 ft.
B6	GRAVES W C JR-INDIAN	2800 US HWY 1	UST	Higher	1 ft.
B7	SULLIVAN PROPERTY	1360 29TH ST	UST	Higher	1 ft.
A8		3225 N. US1	SPILLS	Higher	1 ft.
9	CENTER FOR ADVANCED	1/4 +/- MILE S OF 36	FINDS, ECHO	Lower	1 ft.
C10	BIG SHOTS DRIVING RA	3456 US HWY 1	FINDS, ECHO	Lower	1 ft.
C11	BIG SHOTS DRIVING RA	3456 US HWY 1	NPDES	Lower	1 ft.
A12	VERO BEACH CAMP HAVE	3246 US HWY 1	ASBESTOS	Higher	1 ft.
A13	CITY OF VERO BEACH W	3225 NORTH U.S. HIGH	RMP	Higher	1 ft.
D14	ORANGE BLOSSOM VILLA	3300 12TH CT	FINDS, ECHO	Lower	1 ft.
D15	ORANGE BLOSSOM VILLA	3300 12TH CT	AST, Financial Assurance, NPDES	Lower	1 ft.
E16	HOGAN & SONS CITRUS	2745 SAINT LUCIE AVE	RCRA NonGen / NLR, FINDS, ECHO, NPDES	Higher	1 ft.
F17	HOGAN & SONS CITRUS	US 1 NORTH OF 27TH S	FINDS	Higher	1 ft.
F18	HALE INDIAN RIVER GR	US HWY 1	FINDS, ECHO	Higher	1 ft.
19	KEWANEE BOILER MODEL	NORTH US 1 & 28TH ST	FINDS, ECHO	Higher	1 ft.
F20	LOWTHER CREMATION SE	1555 27TH ST	US AIRS, FINDS, ECHO	Higher	1 ft.
G21	MORAN SERVICE STATIO	2628 US HWY 1	LUST, UST, DWM CONTAM	Higher	1 ft.
G22	MORAN SERVICE STATIO	2628 US HWY 1	RGA LUST	Higher	1 ft.
F23	LOWTHER CREMATION SE	1555 27TH ST	AIRS	Higher	1 ft.
B24	INDIAN RIVER ASSOCIA	2800 N US 1	RGA LUST	Higher	1 ft.
E25	HOGAN & SONS INC	2745 N ST LUCIE AVE	Financial Assurance	Higher	1 ft.
E26	COMMERCIAL PROPERTY	2745 ST. LUCIE AVENU	ASBESTOS	Higher	1 ft.
E27	HOGAN & SONS INC	2745 N ST LUCIE AVE	AST	Higher	1 ft.
E28	HOGAN AND SONS	2745 NORTH SAINT LUC	TIER 2	Higher	1 ft.
B29	INDIAN RIVER ASSOCIA	2800 N US 1	LUST, UST, DWM CONTAM	Higher	1 ft.
B30	BESHACO INC	1360 28TH ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1 ft.
B31	KEWANEE BOILER MODEL	NORTH US 1 & 28TH ST	RCRA NonGen / NLR	Higher	1 ft.
32	MICHAEL FIELD DEBRIS	2700 BLOCK OF 12TH A	SWF/LF	Higher	41, 0.008, SSE
G33	ALONSO ROBERT	2626 US HIGHWAY 1	EDR Hist Auto	Higher	64, 0.012, SSE
H34	TAMPOPRINT INTERNATI	1400 26TH ST	SPILLS, HW GEN	Higher	175, 0.033, South
H35	TAMPOPRINT INTERNATI	1400 26TH ST	RCRA-SQG, FINDS, ECHO	Higher	175, 0.033, South
G36	AMOCO #60304	2602 US HWY 1	UST, DWM CONTAM	Higher	195, 0.037, SSE
G37	AMOCO #60304	2602 US HWY 1	LUST, CLEANUP SITES	Higher	195, 0.037, SSE
G38	COUNTRY CORNER 2602	2602 N US HWY 1	UST, Financial Assurance	Higher	195, 0.037, SSE

MAPPED SITES SUMMARY

Target Property Address:
3106 US HWY 1/ MULTIPLE ADDRESSES
VERO BEACH, FL 32960

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
39	VERO BEACH CITY-PUBL	1700 27TH ST	LUST, UST, AST, DWM CONTAM, Financial Assurance	Higher	362, 0.069, SSW
140	VERO BEACH IMPORT AU	2566 N US HWY 1	LUST, UST, CLEANUP SITES, DWM CONTAM	Higher	397, 0.075, SSE
141	FALLEN FENDER PAINT	2566 US HIGHWAY 1	RCRA-VSQG, FINDS, ECHO	Higher	397, 0.075, SSE
142	STEIL JAMES W INC	2546 US HWY 1	EDR Hist Auto	Higher	471, 0.089, SSE
143	STEIL STATION	2546 US HWY 1	LUST, UST, CLEANUP SITES, DWM CONTAM	Higher	471, 0.089, SSE
144	RYDER TRUCK RENTAL	2502 US HWY 1	LUST, UST, DWM CONTAM	Higher	670, 0.127, SSE
145	RYDER TRUCK RENTAL	2506 U.S. 1	RCRA-VSQG	Higher	674, 0.128, SSE
146	OLD RYDER TRUCK RENT	2506 US 1 NORTH	RCRA-VSQG	Higher	701, 0.133, SSE
47	VERO BEACH SA WELL 3		PFAS WQP	Higher	788, 0.149, WNW
48	INDIAN RIVER CNTY-AD	1840 25TH ST	LUST, UST, DWM CONTAM, RESP PARTY	Higher	921, 0.174, SSW
49	INDIAN RIVER RADIATO	2424 US HIGHWAY 1	RCRA NonGen / NLR	Higher	1037, 0.196, SSE
50	CORPORATE AIR INC	2640 AIRPORT NORTH D	AST	Higher	1158, 0.219, WNW
51	SEA BREEZE NURSING &	3663 15TH AVE	AST	Lower	1181, 0.224, North
52	AUTO SUPPLY CO OF VE	2400 12TH AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	1316, 0.249, SSE
53	FLORIDA BAPTIST RETI	106 33RD ST	LUST, UST, DWM CONTAM	Lower	1426, 0.270, SE
54	VERO BEACH CITY-WTP	2515 AIRPORT NORTH D	SWF/LF, UST, Financial Assurance, HW GEN, TIER 2	Higher	1545, 0.293, NW
55	FLORIDA MINISTRY RET	1006 33RD ST	LUST, UST, DWM CONTAM	Lower	1549, 0.293, ENE
56	7-ELEVEN FOOD STORE	2296 US HIGHWAY 1	LUST, DWM CONTAM	Higher	1770, 0.335, SSE
57	INDIAN RIVER MEMORIA	1000 36TH ST	RCRA-SQG, LAST, LUST, UST, AST, CLEANUP SITES, DWM..	Lower	1815, 0.344, NE
58	PATIO PAWN SHOP INC	2156 US HWY 1	LUST, UST, DWM CONTAM	Higher	2161, 0.409, SSE
59	VERO BEACH COUNTRY C	800 30TH ST	LUST, UST, DWM CONTAM, NPDES	Lower	2281, 0.432, East
60	YOLE VERO TIRE INC	1102 21ST ST	LUST, UST, DWM CONTAM, Financial Assurance	Higher	2551, 0.483, SSE
61	US POSTAL SERVICE	2050 13TH AVE	LUST, DWM CONTAM	Higher	2615, 0.495, South
62	VERO BEACH NAVAL AIR		FUDS	Higher	3546, 0.672, WNW
63	PIPER AIRCRAFT CORP.	PIPER DR.& AVIATION	FI Sites	Higher	3972, 0.752, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: A review of the NPL list, as provided by EDR, and dated 04/26/2023 has revealed that there is 1 NPL site within approximately 1 of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>PIPER AIRCRAFT CORP.</i> Cerclis ID: 400512 EPA Id: FLD004054284	<i>PIPER DR & AVIATION</i>	<i>W 0 - 1/8 (0.068 mi.)</i>	<i>0</i>	<i>8</i>

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: A review of the SEMS list, as provided by EDR, and dated 04/26/2023 has revealed that there is 1 SEMS site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>PIPER AIRCRAFT CORP.</i> Site ID: 0400512 EPA Id: FLD004054284	<i>PIPER DR & AVIATION</i>	<i>W 0 - 1/8 (0.068 mi.)</i>	<i>0</i>	<i>8</i>

EXECUTIVE SUMMARY

Lists of Federal RCRA generators

RCRA-LQG: A review of the RCRA-LQG list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 RCRA-LQG site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PIPER AIRCRAFT CORP. EPA ID:: FLD004054284	PIPER DR & AVIATION	W 0 - 1/8 (0.068 mi.)	0	8

RCRA-SQG: A review of the RCRA-SQG list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 RCRA-SQG site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TAMPOPRINT INTERNATI EPA ID:: FLR000050617	1400 26TH ST	S 0 - 1/8 (0.033 mi.)	H35	17

RCRA-VSQG: A review of the RCRA-VSQG list, as provided by EDR, and dated 03/06/2023 has revealed that there are 3 RCRA-VSQG sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FALLEN FENDER PAINT EPA ID:: FLR000053496	2566 US HIGHWAY 1	SSE 0 - 1/8 (0.075 mi.)	I41	20
RYDER TRUCK RENTAL EPA ID:: FLTMP9102768	2506 U.S. 1	SSE 1/8 - 1/4 (0.128 mi.)	I45	21
OLD RYDER TRUCK RENT EPA ID:: FLTMP9103181	2506 US 1 NORTH	SSE 1/8 - 1/4 (0.133 mi.)	I46	21

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A review of the US ENG CONTROLS list, as provided by EDR, and dated 02/20/2023 has revealed that there is 1 US ENG CONTROLS site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PIPER AIRCRAFT CORP. EPA ID:: FLD004054284 EPA ID:: FLD004054284	PIPER DR & AVIATION	W 0 - 1/8 (0.068 mi.)	0	8

EXECUTIVE SUMMARY

US INST CONTROLS: A review of the US INST CONTROLS list, as provided by EDR, and dated 02/20/2023 has revealed that there is 1 US INST CONTROLS site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PIPER AIRCRAFT CORP. EPA ID:: FLD004054284	PIPER DR & AVIATION	W 0 - 1/8 (0.068 mi.)	0	8

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MICHAEL FIELD DEBRIS Database: SWF/LF, Date of Government Version: 01/09/2023 Facility-Site Id: 97997 Class Status: INACTIVE (I)	2700 BLOCK OF 12TH A	SSE 0 - 1/8 (0.008 mi.)	32	17
VERO BEACH CITY-WTP Database: SWF/LF, Date of Government Version: 01/09/2023 Facility-Site Id: 104776 Class Status: INACTIVE (I)	2515 AIRPORT NORTH D	NW 1/4 - 1/2 (0.293 mi.)	54	24

Lists of state and tribal leaking storage tanks

LUST: A review of the LUST list, as provided by EDR, and dated 01/23/2023 has revealed that there are 16 LUST sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MORAN SERVICE STATIO Discharge Cleanup Status: SRCR - SRCR COMPLETE Facility Status: CLOSED Facility-Site Id: 9101434	2628 US HWY 1	0 - 1/8 (0.000 mi.)	G21	14
INDIAN RIVER ASSOCIA Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED Facility Status: OPEN Facility-Site Id: 9102774	2800 N US 1	0 - 1/8 (0.000 mi.)	B29	16
AMOCO #60304 Discharge Cleanup Status: RA - RA ONGOING Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED Facility Status: CLOSED Facility-Site Id: 8509170	2602 US HWY 1	SSE 0 - 1/8 (0.037 mi.)	G37	18
VERO BEACH CITY-PUBL Discharge Cleanup Status: SRCR - SRCR COMPLETE Facility Status: CLOSED	1700 27TH ST	SSW 0 - 1/8 (0.069 mi.)	39	19

EXECUTIVE SUMMARY

Facility-Site Id: 8520243				
VERO BEACH IMPORT AU	2566 N US HWY 1	SSE 0 - 1/8 (0.075 mi.)	I40	19
Discharge Cleanup Status: RA - RA ONGOING				
Facility Status: CLOSED				
Facility-Site Id: 9101921				
STEIL STATION	2546 US HWY 1	SSE 0 - 1/8 (0.089 mi.)	I43	20
Discharge Cleanup Status: RA - RA ONGOING				
Facility Status: CLOSED				
Facility-Site Id: 8629891				
RYDER TRUCK RENTAL	2502 US HWY 1	SSE 1/8 - 1/4 (0.127 mi.)	I44	21
Discharge Cleanup Status: SRCR - SRCR COMPLETE				
Facility Status: CLOSED				
Facility-Site Id: 8842481				
INDIAN RIVER CNTY-AD	1840 25TH ST	SSW 1/8 - 1/4 (0.174 mi.)	48	22
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED				
Facility Status: CLOSED				
Facility-Site Id: 9200434				
7-ELEVEN FOOD STORE	2296 US HIGHWAY 1	SSE 1/4 - 1/2 (0.335 mi.)	56	25
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED				
Discharge Cleanup Status: SRCR - SRCR COMPLETE				
Facility Status: OPEN				
Facility-Site Id: 8520266				
PATIO PAWN SHOP INC	2156 US HWY 1	SSE 1/4 - 1/2 (0.409 mi.)	58	26
Discharge Cleanup Status: SRCR - SRCR COMPLETE				
Facility Status: CLOSED				
Facility-Site Id: 9100938				
YOLE VERO TIRE INC	1102 21ST ST	SSE 1/4 - 1/2 (0.483 mi.)	60	27
Discharge Cleanup Status: SRCR - SRCR COMPLETE				
Facility Status: CLOSED				
Facility-Site Id: 8520272				
US POSTAL SERVICE	2050 13TH AVE	S 1/4 - 1/2 (0.495 mi.)	61	27
Discharge Cleanup Status: SRCR - SRCR COMPLETE				
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED				
Facility Status: CLOSED				
Facility-Site Id: 8629905				
Lower Elevation	Address	Direction / Distance	Map ID	Page
FLORIDA BAPTIST RETI	106 33RD ST	SE 1/4 - 1/2 (0.270 mi.)	53	23
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED				
Facility Status: CLOSED				
Facility-Site Id: 9600482				
FLORIDA MINISTRY RET	1006 33RD ST	ENE 1/4 - 1/2 (0.293 mi.)	55	24
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED				
Facility Status: CLOSED				
Facility-Site Id: 9601363				
INDIAN RIVER MEMORIA	1000 36TH ST	NE 1/4 - 1/2 (0.344 mi.)	57	25
Discharge Cleanup Status: SA - SA ONGOING				
Facility Status: OPEN				
Facility-Site Id: 8629989				
VERO BEACH COUNTRY C	800 30TH ST	E 1/4 - 1/2 (0.432 mi.)	59	26

EXECUTIVE SUMMARY

Discharge Cleanup Status: SRCR - SRCR COMPLETE
 Facility Status: CLOSED
 Facility-Site Id: 8945461

LAST: A review of the LAST list, as provided by EDR, and dated 01/23/2023 has revealed that there is 1 LAST site within approximately 1 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
INDIAN RIVER MEMORIA Facility-Site Id: 8629989	1000 36TH ST	NE 1/4 - 1/2 (0.344 mi.)	57	25

Lists of state and tribal registered storage tanks

UST: A review of the UST list, as provided by EDR, has revealed that there are 12 UST sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GRAVES W C JR-INDIAN Database: UST, Date of Government Version: 02/10/2023 Tank Status: B Facility-Site Id: 8842052 Facility Status: CLOSED	2800 US HWY 1	0 - 1/8 (0.000 mi.)	B6	10
SULLIVAN PROPERTY Database: UST, Date of Government Version: 02/10/2023 Tank Status: B Facility-Site Id: 9800758 Facility Status: CLOSED	1360 29TH ST	0 - 1/8 (0.000 mi.)	B7	10
MORAN SERVICE STATIO Database: UST, Date of Government Version: 02/10/2023 Tank Status: B Facility-Site Id: 9101434 Facility Status: CLOSED	2628 US HWY 1	0 - 1/8 (0.000 mi.)	G21	14
INDIAN RIVER ASSOCIA Database: UST, Date of Government Version: 02/10/2023 Tank Status: F Facility-Site Id: 9102774 Facility Status: OPEN	2800 N US 1	0 - 1/8 (0.000 mi.)	B29	16
AMOCO #60304 Database: UST, Date of Government Version: 02/10/2023 Tank Status: B Facility-Site Id: 8509170 Facility Status: CLOSED	2602 US HWY 1	SSE 0 - 1/8 (0.037 mi.)	G36	18
COUNTRY CORNER 2602 Database: UST, Date of Government Version: 02/10/2023 Tank Status: U Facility-Site Id: 9800361	2602 N US HWY 1	SSE 0 - 1/8 (0.037 mi.)	G38	18

EXECUTIVE SUMMARY

Facility Status: OPEN

VERO BEACH CITY-PUBL	1700 27TH ST	SSW 0 - 1/8 (0.069 mi.)	39	19
Database: UST, Date of Government Version: 02/10/2023				
Tank Status: B				
Facility-Site Id: 8520243				
Facility Status: CLOSED				
VERO BEACH IMPORT AU	2566 N US HWY 1	SSE 0 - 1/8 (0.075 mi.)	140	19
Database: UST, Date of Government Version: 02/10/2023				
Tank Status: B				
Facility-Site Id: 9101921				
Facility Status: CLOSED				
STEIL STATION	2546 US HWY 1	SSE 0 - 1/8 (0.089 mi.)	143	20
Database: UST, Date of Government Version: 02/10/2023				
Tank Status: B				
Facility-Site Id: 8629891				
Facility Status: CLOSED				
RYDER TRUCK RENTAL	2502 US HWY 1	SSE 1/8 - 1/4 (0.127 mi.)	144	21
Database: UST, Date of Government Version: 02/10/2023				
Tank Status: B				
Facility-Site Id: 8842481				
Facility Status: CLOSED				
INDIAN RIVER CNTY-AD	1840 25TH ST	SSW 1/8 - 1/4 (0.174 mi.)	48	22
Database: UST, Date of Government Version: 02/10/2023				
Tank Status: A				
Facility-Site Id: 9200434				
Facility Status: CLOSED				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ORCHID ISLAND GOLF &	9975 N AIA	0 - 1/8 (0.000 mi.)	4	9
Database: UST, Date of Government Version: 02/10/2023				
Tank Status: B				
Facility-Site Id: 8945550				
Facility Status: OPEN				

AST: A review of the AST list, as provided by EDR, has revealed that there are 6 AST sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HOGAN & SONS INC	2745 N ST LUCIE AVE	0 - 1/8 (0.000 mi.)	E27	15
Database: AST, Date of Government Version: 02/10/2023				
Facility-Site Id: 8944761				
Facility Status: OPEN				
Facility Status: OPEN				
VERO BEACH CITY-PUBL	1700 27TH ST	SSW 0 - 1/8 (0.069 mi.)	39	19
Database: AST, Date of Government Version: 02/10/2023				
Facility-Site Id: 9047280				
Facility Status: CLOSED				
Facility Status: CLOSED				
CORPORATE AIR INC	2640 AIRPORT NORTH D	WNW 1/8 - 1/4 (0.219 mi.)	50	22
Database: AST, Date of Government Version: 02/10/2023				

EXECUTIVE SUMMARY

Facility-Site Id: 9815583
 Facility Status: CLOSED
 Facility Status: CLOSED

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ORCHID ISLAND GOLF & Database: AST, Date of Government Version: 02/10/2023 Facility-Site Id: 8945550 Facility Status: OPEN Facility Status: OPEN	9975 N AIA	0 - 1/8 (0.000 mi.)	4	9
ORANGE BLOSSOM VILLA Database: AST, Date of Government Version: 02/10/2023 Facility-Site Id: 9819068 Facility Status: OPEN Facility Status: OPEN	3300 12TH CT	0 - 1/8 (0.000 mi.)	D15	12
SEA BREEZE NURSING & Database: AST, Date of Government Version: 02/10/2023 Facility-Site Id: 9813639 Facility Status: OPEN Facility Status: OPEN	3663 15TH AVE	N 1/8 - 1/4 (0.224 mi.)	51	23

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

FI Sites: A review of the FI Sites list, as provided by EDR, and dated 12/31/1989 has revealed that there is 1 FI Sites site within approximately 1 of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PIPER AIRCRAFT CORP. EPA ID: FLD004054284 Facility-Site Id: 000114	PIPER DR.& AVIATION	WSW 1/2 - 1 (0.752 mi.)	63	28

Records of Emergency Release Reports

SPILLS: A review of the SPILLS list, as provided by EDR, and dated 12/28/2022 has revealed that there is 1 SPILLS site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported OHMIT Incident Number: 15480 Incident Status: Closed	3225 N. US1	0 - 1/8 (0.000 mi.)	A8	11

EXECUTIVE SUMMARY

Other Ascertainable Records

RCRA NonGen / NLR: A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/06/2023 has revealed that there are 7 RCRA NonGen / NLR sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RIVERFRONT GROVES IN EPA ID:: FLD032823213	4889 NORTH FEDERAL H	0 - 1/8 (0.000 mi.)	A2	9
COURTESY AUTO SERVIC EPA ID:: FLR000047704	2800 US HIGHWAY 1	0 - 1/8 (0.000 mi.)	B5	10
HOGAN & SONS CITRUS EPA ID:: FLD065912255	2745 SAINT LUCIE AVE	0 - 1/8 (0.000 mi.)	E16	13
BESHACO INC EPA ID:: FLR000035527	1360 28TH ST	0 - 1/8 (0.000 mi.)	B30	16
KEWANEE BOILER MODEL EPA ID:: FLD032821985	NORTH US 1 & 28TH ST	0 - 1/8 (0.000 mi.)	B31	17
INDIAN RIVER RADIATO EPA ID:: FLD982082075	2424 US HIGHWAY 1	SSE 1/8 - 1/4 (0.196 mi.)	49	22
AUTO SUPPLY CO OF VE EPA ID:: FLD982138745	2400 12TH AVE	SSE 1/8 - 1/4 (0.249 mi.)	52	23

FUDS: A review of the FUDS list, as provided by EDR, and dated 02/01/2023 has revealed that there is 1 FUDS site within approximately 1 of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VERO BEACH NAVAL AIR		WNW 1/2 - 1 (0.672 mi.)	62	28

ROD: A review of the ROD list, as provided by EDR, and dated 04/26/2023 has revealed that there is 1 ROD site within approximately 1 of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PIPER AIRCRAFT CORP. EPA ID:: FLD004054284	PIPER DR & AVIATION	W 0 - 1/8 (0.068 mi.)	0	8

RMP: A review of the RMP list, as provided by EDR, and dated 04/27/2022 has revealed that there is 1 RMP site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY OF VERO BEACH W	3225 NORTH U.S. HIGH	0 - 1/8 (0.000 mi.)	A13	12

EXECUTIVE SUMMARY

US AIRS: A review of the US AIRS list, as provided by EDR, has revealed that there is 1 US AIRS site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOWTHER CREMATION SE Database: US AIRS MINOR, Date of Government Version: 10/12/2016 EPA plant ID:: 110039629122	1555 27TH ST	0 - 1/8 (0.000 mi.)	F20	14

FINDS: A review of the FINDS list, as provided by EDR, and dated 02/02/2023 has revealed that there are 12 FINDS sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RIVERFRONT GROVES IN Registry ID:: 110002529666	4889 NORTH FEDERAL H	0 - 1/8 (0.000 mi.)	A2	9
VERO BEACH DEMINERAL Registry ID:: 110027951465	3225 NORTH U S HIGHW	0 - 1/8 (0.000 mi.)	A3	9
COURTESY AUTO SERVIC Registry ID:: 110006158095	2800 US HIGHWAY 1	0 - 1/8 (0.000 mi.)	B5	10
HOGAN & SONS CITRUS Registry ID:: 110008327710	2745 SAINT LUCIE AVE	0 - 1/8 (0.000 mi.)	E16	13
HOGAN & SONS CITRUS Registry ID:: 110027968518	US 1 NORTH OF 27TH S	0 - 1/8 (0.000 mi.)	F17	13
HALE INDIAN RIVER GR Registry ID:: 110008324214	US HWY 1	0 - 1/8 (0.000 mi.)	F18	13
KEWANEE BOILER MODEL Registry ID:: 110008324152	NORTH US 1 & 28TH ST	0 - 1/8 (0.000 mi.)	19	13
LOWTHER CREMATION SE Registry ID:: 110039629122	1555 27TH ST	0 - 1/8 (0.000 mi.)	F20	14
BESHACO INC Registry ID:: 110005644455	1360 28TH ST	0 - 1/8 (0.000 mi.)	B30	16

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CENTER FOR ADVANCED Registry ID:: 110022856587	1/4 +/- MILE S OF 36	0 - 1/8 (0.000 mi.)	9	11
BIG SHOTS DRIVING RA Registry ID:: 110070073541	3456 US HWY 1	0 - 1/8 (0.000 mi.)	C10	11
ORANGE BLOSSOM VILLA Registry ID:: 110071220238	3300 12TH CT	0 - 1/8 (0.000 mi.)	D14	12

ECHO: A review of the ECHO list, as provided by EDR, and dated 01/01/2023 has revealed that there are 11 ECHO sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RIVERFRONT GROVES IN	4889 NORTH FEDERAL H	0 - 1/8 (0.000 mi.)	A2	9

EXECUTIVE SUMMARY

Registry ID: 110002529666				
VERO BEACH DEMINERAL	3225 NORTH U S HIGHW	0 - 1/8 (0.000 mi.)	A3	9
Registry ID: 110027951465				
COURTESY AUTO SERVIC	2800 US HIGHWAY 1	0 - 1/8 (0.000 mi.)	B5	10
Registry ID: 110006158095				
HOGAN & SONS CITRUS	2745 SAINT LUCIE AVE	0 - 1/8 (0.000 mi.)	E16	13
Registry ID: 110008327710				
HALE INDIAN RIVER GR	US HWY 1	0 - 1/8 (0.000 mi.)	F18	13
Registry ID: 110008324214				
KEWANEE BOILER MODEL	NORTH US 1 & 28TH ST	0 - 1/8 (0.000 mi.)	19	13
Registry ID: 110008324152				
LOWTHER CREMATION SE	1555 27TH ST	0 - 1/8 (0.000 mi.)	F20	14
Registry ID: 110039629122				
BESHACO INC	1360 28TH ST	0 - 1/8 (0.000 mi.)	B30	16
Registry ID: 110005644455				
Lower Elevation	Address	Direction / Distance	Map ID	Page
CENTER FOR ADVANCED	1/4 +/- MILE S OF 36	0 - 1/8 (0.000 mi.)	9	11
Registry ID: 110022856587				
BIG SHOTS DRIVING RA	3456 US HWY 1	0 - 1/8 (0.000 mi.)	C10	11
Registry ID: 110070073541				
ORANGE BLOSSOM VILLA	3300 12TH CT	0 - 1/8 (0.000 mi.)	D14	12
Registry ID: 110071220238				

PFAS WQP: A review of the PFAS WQP list, as provided by EDR, and dated 03/30/2023 has revealed that there is 1 PFAS WQP site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VERO BEACH SA WELL 3		WNW 1/8 - 1/4 (0.149 mi.)	47	21

AIRS: A review of the AIRS list, as provided by EDR, and dated 12/31/2022 has revealed that there is 1 AIRS site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOWTHER CREMATION SE Facility Status: A Facility Id: 610077	1555 27TH ST	0 - 1/8 (0.000 mi.)	F23	15

EXECUTIVE SUMMARY

ASBESTOS: A review of the ASBESTOS list, as provided by EDR, and dated 02/09/2023 has revealed that there are 3 ASBESTOS sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VERO BEACH CAMP HAVE	3246 US HWY 1	0 - 1/8 (0.000 mi.)	A12	12
COMMERCIAL PROPERTY	2745 ST. LUCIE AVENU	0 - 1/8 (0.000 mi.)	E26	15
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BRACKETT FAMILY LTD	3146 13TH AVE	0 - 1/8 (0.000 mi.)	1	9

DWM CONTAM: A review of the DWM CONTAM list, as provided by EDR, and dated 10/12/2022 has revealed that there are 16 DWM CONTAM sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MORAN SERVICE STATIO Program Site Id: 9101434	2628 US HWY 1	0 - 1/8 (0.000 mi.)	G21	14
INDIAN RIVER ASSOCIA Program Site Id: 9102774	2800 N US 1	0 - 1/8 (0.000 mi.)	B29	16
AMOCO #60304 Program Site Id: 8509170	2602 US HWY 1	SSE 0 - 1/8 (0.037 mi.)	G36	18
VERO BEACH CITY-PUBL Program Site Id: 8520243	1700 27TH ST	SSW 0 - 1/8 (0.069 mi.)	39	19
VERO BEACH IMPORT AU Program Site Id: 9101921	2566 N US HWY 1	SSE 0 - 1/8 (0.075 mi.)	I40	19
STEIL STATION Program Site Id: 8629891	2546 US HWY 1	SSE 0 - 1/8 (0.089 mi.)	I43	20
RYDER TRUCK RENTAL Program Site Id: 8842481	2502 US HWY 1	SSE 1/8 - 1/4 (0.127 mi.)	I44	21
INDIAN RIVER CNTY-AD Program Site Id: ERIC_11023 Program Site Id: 9200434	1840 25TH ST	SSW 1/8 - 1/4 (0.174 mi.)	48	22
7-ELEVEN FOOD STORE Program Site Id: 8520266	2296 US HIGHWAY 1	SSE 1/4 - 1/2 (0.335 mi.)	56	25
PATIO PAWN SHOP INC Program Site Id: 9100938	2156 US HWY 1	SSE 1/4 - 1/2 (0.409 mi.)	58	26
YOLE VERO TIRE INC Program Site Id: 8520272	1102 21ST ST	SSE 1/4 - 1/2 (0.483 mi.)	60	27
US POSTAL SERVICE Program Site Id: 8629905	2050 13TH AVE	S 1/4 - 1/2 (0.495 mi.)	61	27
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FLORIDA BAPTIST RETI Program Site Id: 9600482	106 33RD ST	SE 1/4 - 1/2 (0.270 mi.)	53	23
FLORIDA MINISTRY RET Program Site Id: 9601363	1006 33RD ST	ENE 1/4 - 1/2 (0.293 mi.)	55	24
INDIAN RIVER MEMORIA	1000 36TH ST	NE 1/4 - 1/2 (0.344 mi.)	57	25

EXECUTIVE SUMMARY

Program Site Id: 8629989

VERO BEACH COUNTRY C

800 30TH ST

E 1/4 - 1/2 (0.432 mi.)

59

26

Program Site Id: 8945461

Financial Assurance: A review of the Financial Assurance list, as provided by EDR, has revealed that there are 3 Financial Assurance sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HOGAN & SONS INC Database: Financial Assurance 3, Date of Government Version: 02/09/2023 Facility Status: OPEN Facility ID: 8944761	2745 N ST LUCIE AVE	0 - 1/8 (0.000 mi.)	E25	15

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ORCHID ISLAND GOLF & Database: Financial Assurance 3, Date of Government Version: 02/09/2023 Facility Status: OPEN Facility ID: 8945550	9975 N AIA	0 - 1/8 (0.000 mi.)	4	9
ORANGE BLOSSOM VILLA Database: Financial Assurance 3, Date of Government Version: 02/09/2023 Facility Status: OPEN Facility ID: 9819068	3300 12TH CT	0 - 1/8 (0.000 mi.)	D15	12

HW GEN: A review of the HW GEN list, as provided by EDR, and dated 03/22/2023 has revealed that there is 1 HW GEN site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TAMPOPRINT INTERNATI	1400 26TH ST	S 0 - 1/8 (0.033 mi.)	H34	17

RESP PARTY: A review of the RESP PARTY list, as provided by EDR, and dated 12/21/2022 has revealed that there is 1 RESP PARTY site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
INDIAN RIVER CNTY-AD Site Status: CLOSED	1840 25TH ST	SSW 1/8 - 1/4 (0.174 mi.)	48	22

TIER 2: A review of the TIER 2 list, as provided by EDR, and dated 12/31/2021 has revealed that there is 1 TIER 2 site within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HOGAN AND SONS	2745 NORTH SAINT LUC	0 - 1/8 (0.000 mi.)	E28	16

EXECUTIVE SUMMARY

NPDES: A review of the NPDES list, as provided by EDR, and dated 01/05/2023 has revealed that there are 3 NPDES sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HOGAN & SONS CITRUS Status: A Facility ID: FLA010452	2745 SAINT LUCIE AVE	0 - 1/8 (0.000 mi.)	E16	13

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BIG SHOTS DRIVING RA Status: A Facility ID: FLR10RH25 Facility ID: FLR10RB62	3456 US HWY 1	0 - 1/8 (0.000 mi.)	C11	11
ORANGE BLOSSOM VILLA Status: A Facility ID: FLR10UZ26	3300 12TH CT	0 - 1/8 (0.000 mi.)	D15	12

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 1 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALONSO ROBERT	2626 US HIGHWAY 1	SSE 0 - 1/8 (0.012 mi.)	G33	17
STEIL JAMES W INC	2546 US HWY 1	SSE 0 - 1/8 (0.089 mi.)	I42	20

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: A review of the RGA LUST list, as provided by EDR, has revealed that there are 2 RGA LUST sites within approximately 1 miles of the target property.

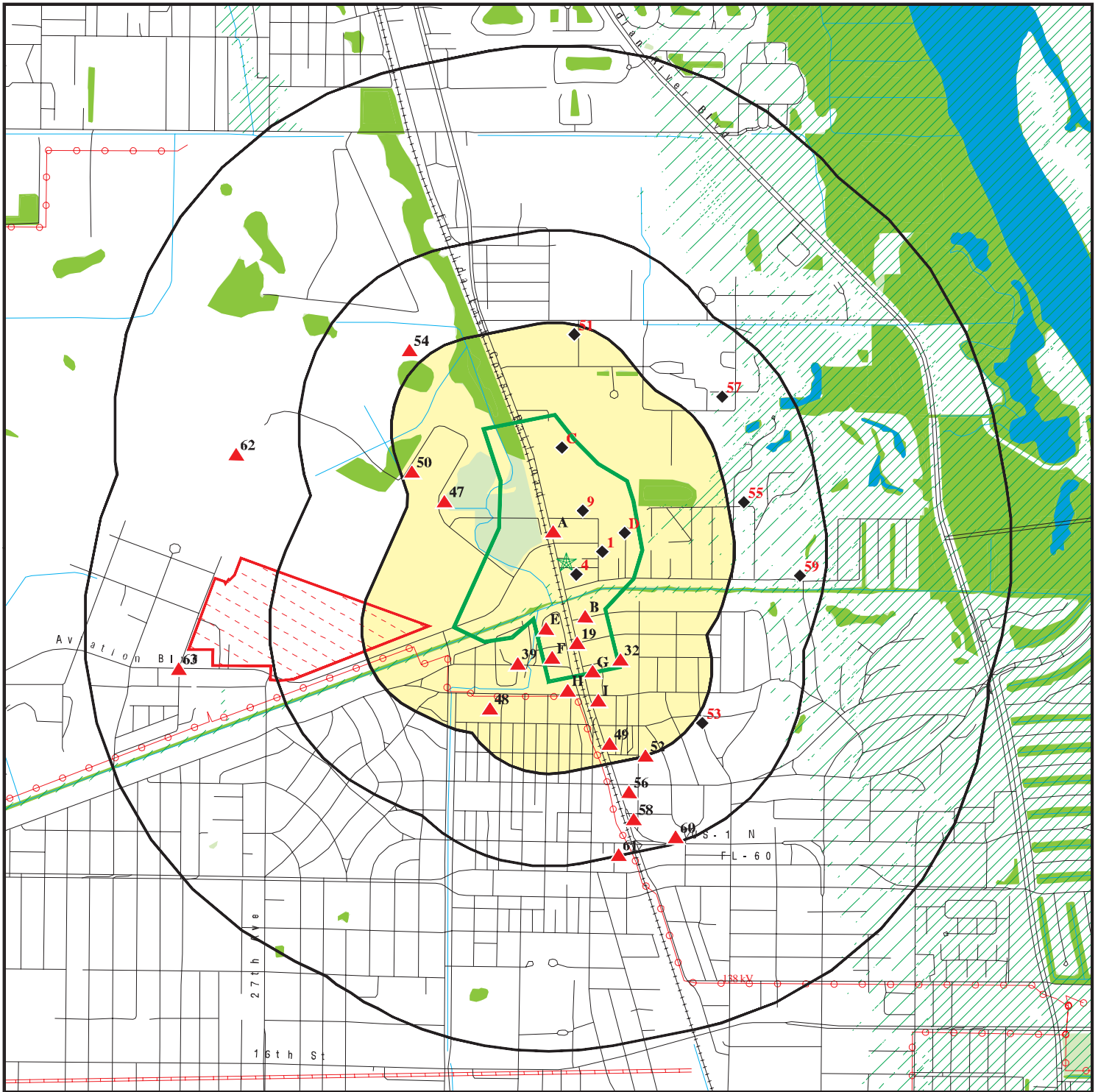
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MORAN SERVICE STATIO Facility ID: 9101434	2628 US HWY 1	0 - 1/8 (0.000 mi.)	G22	14
INDIAN RIVER ASSOCIA Facility ID: 9102774	2800 N US 1	0 - 1/8 (0.000 mi.)	B24	15

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
VERO BEACH	1026607151	JANIE DEAN CHEVROLET	1000 US HIGHWAY 1	32960	PRP
VERO BEACH	1026650103	VERO BEACH LINCOLN-MERCURY, INC.	1066 U.S. HWY 1	32960	PRP

OVERVIEW MAP - 7359603.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

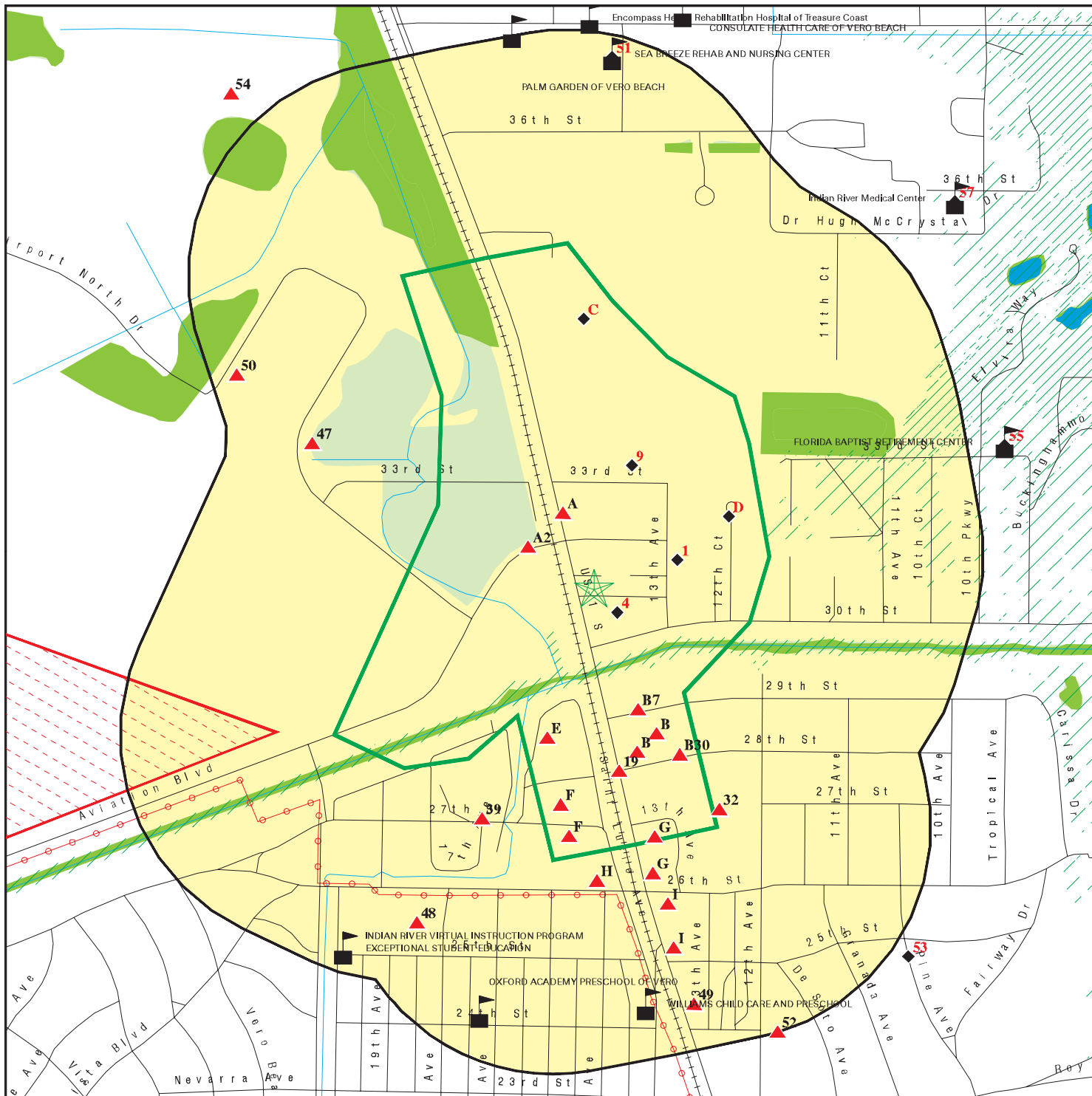
FL Brownfield















This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: SR-5/Aviation Blvd
 ADDRESS: 3106 US Hwy 1/ Multiple Addresses
 Vero Beach FL 32960
 LAT/LONG: 27.650708 / 80.400446

CLIENT: Wantman Group Inc
 CONTACT: Derek Lee
 INQUIRY #: 7359603.2s
 DATE: June 08, 2023 3:09 pm

DETAIL MAP - 7359603.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands
-  FL Brownfield

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p>SITE NAME: SR-5/Aviation Blvd ADDRESS: 3106 US Hwy 1/ Multiple Addresses Vero Beach FL 32960 LAT/LONG: 27.650708 / 80.400446</p>	<p>CLIENT: Wantman Group Inc CONTACT: Derek Lee INQUIRY #: 7359603.2s DATE: June 08, 2023 3:10 pm</p>
--	--

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		1	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	0	0	NR	NR	1
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-VSQG	0.250		1	2	NR	NR	NR	3
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		1	0	0	NR	NR	1
US INST CONTROLS	0.500		1	0	0	NR	NR	1
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
SHWS	1.000		0	0	0	0	NR	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		1	0	1	NR	NR	2
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		6	2	8	NR	NR	16

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LAST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
FF TANKS	0.250		0	0	NR	NR	NR	0
UST	0.250		10	2	NR	NR	NR	12
AST	0.250		4	2	NR	NR	NR	6
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
PRIORITYCLEANERS	0.500		0	0	0	NR	NR	0
FI Sites	1.000		0	0	0	1	NR	1
US CDL	0.001		0	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	0.001		0	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		1	NR	NR	NR	NR	1
SPILLS 90	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		5	2	NR	NR	NR	7
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		1	NR	NR	NR	NR	1
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		1	0	0	0	NR	1
RMP	0.001		1	NR	NR	NR	NR	1
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		1	NR	NR	NR	NR	1
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		1	NR	NR	NR	NR	1
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		2	NR	NR	NR	NR	2
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		13	NR	NR	NR	NR	13
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		12	NR	NR	NR	NR	12
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	1	NR	NR	NR	1
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
AIRS	0.001		1	NR	NR	NR	NR	1
ASBESTOS	0.001		3	NR	NR	NR	NR	3
CLEANUP SITES	0.001		0	NR	NR	NR	NR	0
DEDB	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
DWM CONTAM	0.500		6	2	8	NR	NR	16
Financial Assurance	0.001		3	NR	NR	NR	NR	3
FL Cattle Dip. Vats	0.250		0	0	NR	NR	NR	0
HW GEN	0.250		1	0	NR	NR	NR	1
RESP PARTY	0.500		0	1	0	NR	NR	1
SITE INV SITES	0.500		0	0	0	NR	NR	0
TIER 2	0.001		1	NR	NR	NR	NR	1
UIC	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		3	NR	NR	NR	NR	3
PFAS TRIS	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
<u>EDR HIGH RISK HISTORICAL RECORDS</u>								
<i>EDR Exclusive Records</i>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		2	NR	NR	NR	NR	2
- Totals --		0	88	14	18	2	0	122

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NPL
Region
West
< 1/8
358 ft.

PIPER AIRCRAFT CORP./VERO BEACH WATER & SEWER DEPA
PIPER DR & AVIATION BLVD
VERO BEACH, FL 32960

[Click here for full text details](#)

NPL 1000698555
SEMS 32960NWPPR2926P
RCRA-LQG
US ENG CONTROLS
US INST CONTROLS
TRIS
ROD
PRP
ICIS
US AIRS
FINDS
ECHO

NPL
Cerclis ID: 400512
EPA Id FLD004054284

SEMS
Site ID 0400512
EPA Id FLD004054284

RCRA-LQG
EPA Id FLD004054284

US ENG CONTROLS
EPA ID: FLD004054284
EPA ID: FLD004054284

US INST CONTROLS
EPA ID: FLD004054284

TRIS
TRIS ID 32960NWPPR2926P

ROD
EPA ID: FLD004054284

ICIS
FRS ID: 110000832699

US AIRS
EPA plant ID: 110000832699

FINDS
Registry ID: 110000832699

ECHO

MAP FINDINGS

Map ID				EDR ID Number
Direction				EPA ID Number
Distance				
Elevation	Site	Database(s)		

PIPER AIRCRAFT CORP./VERO BEACH WATER & SEWER DEPARTMENT (Continued)

1000698555

Registry ID 110000832699

1
 < 1/8
 1 ft.

BRACKETT FAMILY LTD PARTNERSHIP
 3146 13TH AVE
 VERO BEACH, FL 32960

ASBESTOS S120041297
 N/A

[Click here for full text details](#)

Relative:
 Lower

A2
 < 1/8
 1 ft.

RIVERFRONT GROVES INC
 4889 NORTH FEDERAL HIGHWAY
 VERO BEACH, FL 32960

RCRA NonGen / NLR 1000214803
 FINDS FLD032823213
 ECHO

[Click here for full text details](#)

Relative:
 Higher

RCRA NonGen / NLR
 EPA Id FLD032823213

FINDS
 Registry ID: 110002529666

ECHO
 Registry ID 110002529666

A3
 < 1/8
 1 ft.

VERO BEACH DEMINERALIZATION CO
 3225 NORTH U S HIGHWAY 1
 VERO BEACH, FL 32960

FINDS 1009719421
 ECHO N/A

[Click here for full text details](#)

Relative:
 Higher

FINDS
 Registry ID: 110027951465

ECHO
 Registry ID 110027951465

4
 < 1/8
 1 ft.

ORCHID ISLAND GOLF & BEACH CLUB
 9975 N AIA
 VERO BEACH, FL 32963

UST U001356873
 AST N/A
 Financial Assurance

[Click here for full text details](#)

Relative:
 Lower

UST
 Facility Status OPEN
 Facility-Site Id 8945550

AST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORCHID ISLAND GOLF & BEACH CLUB (Continued)

U001356873

Facility Status OPEN
Facility-Site Id 8945550
Facility Status OPEN

Financial Assurance

Facility Status OPEN
Facility ID 8945550

B5
COURTESY AUTO SERVICE INC
2800 US HIGHWAY 1
VERO BEACH, FL 32960
< 1/8
1 ft.

RCRA NonGen / NLR **1001231685**
FINDS **FLR000047704**
ECHO

Relative:
Higher

[Click here for full text details](#)

RCRA NonGen / NLR
EPA Id FLR000047704

FINDS
Registry ID: 110006158095

ECHO
Registry ID 110006158095

B6
GRAVES W C JR-INDIAN RIVER ASSOCIATES
2800 US HWY 1
VERO BEACH, FL 32960
< 1/8
1 ft.

UST **U003332635**
N/A

Relative:
Higher

[Click here for full text details](#)

UST
Facility Status CLOSED
Facility-Site Id 8842052

B7
SULLIVAN PROPERTY
1360 29TH ST
VERO BEACH, FL 32960
< 1/8
1 ft.

UST **U003434143**
N/A

Relative:
Higher

[Click here for full text details](#)

UST
Facility Status CLOSED
Facility-Site Id 9800758

MAP FINDINGS

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
A8		< 1/8	1 ft.	3225 N. US1 VERO BEACH, FL	SPILLS	S105182686	N/A
<p>Click here for full text details</p> <p>Relative: Higher</p> <p>SPILLS OHMIT Incident Number 15480 Incident Status Closed</p>							
9		< 1/8	1 ft.	CENTER FOR ADVANCED EYE CARE 1/4 +/- MILE S OF 36TH ST ON E VERO BEACH, FL 32960	FINDS ECHO	1008929125	N/A
<p>Click here for full text details</p> <p>Relative: Lower</p> <p>FINDS Registry ID: 110022856587</p> <p>ECHO Registry ID 110022856587</p>							
C10		< 1/8	1 ft.	BIG SHOTS DRIVING RANGE (MALLON GOLF) 3456 US HWY 1 VERO BEACH, FL 32960	FINDS ECHO	1023659430	N/A
<p>Click here for full text details</p> <p>Relative: Lower</p> <p>FINDS Registry ID: 110070073541</p> <p>ECHO Registry ID 110070073541</p>							
C11		< 1/8	1 ft.	BIG SHOTS DRIVING RANGE (MALLON GOLF) 3456 US HWY 1 VERO BEACH, FL	NPDES	S121057428	N/A
<p>Click here for full text details</p> <p>Relative: Lower</p> <p>NPDES Facility ID FLR10RH25 Facility ID FLR10RB62 Status A</p>							

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A12 < 1/8 1 ft.	VERO BEACH CAMP HAVEN SE9851 3246 US HWY 1 VERO BEACH, FL 32960	ASBESTOS	S125472770 N/A
Relative: Higher	Click here for full text details		
A13 < 1/8 1 ft.	CITY OF VERO BEACH WATER TREATMENT PLANT 3225 NORTH U.S. HIGHWAY 1 VERO BEACH, FL 32960	RMP	1011820023 N/A
Relative: Higher	Click here for full text details		
D14 < 1/8 1 ft.	ORANGE BLOSSOM VILLAGE 3300 12TH CT VERO BEACH, FL 32960	FINDS ECHO	1027156744 N/A
Relative: Lower	<p>Click here for full text details</p> <p>FINDS Registry ID: 110071220238</p> <p>ECHO Registry ID 110071220238</p>		
D15 < 1/8 1 ft.	ORANGE BLOSSOM VILLAGE 3300 12TH CT VERO BEACH, FL 32960	AST Financial Assurance NPDES	S128643577 N/A
Relative: Lower	<p>Click here for full text details</p> <p>AST Facility Status OPEN Facility-Site Id 9819068 Facility Status OPEN</p> <p>Financial Assurance Facility Status OPEN Facility ID 9819068</p> <p>NPDES Facility ID FLR10UZ26 Status A</p>		

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Elevation	Site	Database(s)	EPA ID Number

E16	HOGAN & SONS CITRUS CORP 2745 SAINT LUCIE AVE VERO BEACH, FL 32960	RCRA NonGen / NLR FINDS ECHO NPDES	1000150090 FLD065912255
------------	---	---	--

< 1/8
1 ft.

Relative:
Higher

[Click here for full text details](#)

RCRA NonGen / NLR
EPA Id FLD065912255

FINDS
Registry ID: 110008327710

ECHO
Registry ID 110008327710

NPDES
Facility ID FLA010452
Status A

F17	HOGAN & SONS CITRUS PACKERS US 1 NORTH OF 27TH ST. VERO BEACH, FL 32960	FINDS	1009690910 N/A
------------	--	--------------	---------------------------------

< 1/8
1 ft.

Relative:
Higher

[Click here for full text details](#)

FINDS
Registry ID: 110027968518

F18	HALE INDIAN RIVER GROVES INC US HWY 1 WABASSO, FL 32970	FINDS ECHO	1016267256 N/A
------------	--	-----------------------------	---------------------------------

< 1/8
1 ft.

Relative:
Higher

[Click here for full text details](#)

FINDS
Registry ID: 110008324214

ECHO
Registry ID 110008324214

19	KEWANEE BOILER MODEL 100 NORTH US 1 & 28TH ST VERO BEACH, FL 32960	FINDS ECHO	1016267255 N/A
-----------	---	-----------------------------	---------------------------------

< 1/8
1 ft.

Relative:
Higher

[Click here for full text details](#)

FINDS
Registry ID: 110008324152

ECHO

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
--	------	-------------	--------------------------------

KEWANEE BOILER MODEL 100 (Continued)

1016267255

Registry ID 110008324152

F20 **LOWTHER CREMATION SERVICE INC**
1555 27TH ST
 < 1/8 **VERO BEACH, FL 32960**
 1 ft.

US AIRS **1012264413**
FINDS **N/A**
ECHO

Relative:
Higher

[Click here for full text details](#)

US AIRS
 EPA plant ID: 110039629122

FINDS
 Registry ID: 110039629122

ECHO
 Registry ID 110039629122

G21 **MORAN SERVICE STATION**
2628 US HWY 1
 < 1/8 **VERO BEACH, FL 32960**
 1 ft.

LUST **U003109891**
UST **N/A**
DWM CONTAM

Relative:
Higher

[Click here for full text details](#)

LUST
 Facility Status CLOSED
 Facility-Site Id 9101434
 Discharge Cleanup Status SRCR - SRCR COMPLETE

[Click here for Florida Oculus](#)

UST
 Facility Status CLOSED
 Facility-Site Id 9101434

DWM CONTAM
 Program Site Id 9101434

G22 **MORAN SERVICE STATION**
2628 US HWY 1
 < 1/8 **VERO BEACH, FL**
 1 ft.

RGA LUST **S115188571**
N/A

Relative:
Higher

[Click here for full text details](#)

RGA LUST
 Facility ID 9101434

MAP FINDINGS

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
F23		< 1/8	1 ft.	LOWTHER CREMATION SERVICES 1555 27TH ST VERO BEACH, FL 32960	AIRS	S107797611	N/A
<p>Click here for full text details</p> <p>Relative: Higher AIRS Facility Id 610077 Facility Status A</p>							
B24		< 1/8	1 ft.	INDIAN RIVER ASSOCIATES INC 2800 N US 1 VERO BEACH, FL	RGA LUST	S115181537	N/A
<p>Click here for full text details</p> <p>Relative: Higher RGA LUST Facility ID 9102774</p>							
E25		< 1/8	1 ft.	HOGAN & SONS INC 2745 N ST LUCIE AVE VERO BEACH, FL 32960	Financial Assurance	S115814185	N/A
<p>Click here for full text details</p> <p>Relative: Higher Financial Assurance Facility Status OPEN Facility ID 8944761</p>							
E26		< 1/8	1 ft.	COMMERCIAL PROPERTY 2745 ST. LUCIE AVENUE VERO BEACH, FL 32961	ASBESTOS	S128664180	N/A
<p>Click here for full text details</p> <p>Relative: Higher</p>							
E27		< 1/8	1 ft.	HOGAN & SONS INC 2745 N ST LUCIE AVE VERO BEACH, FL 32960	AST	A100161370	N/A
<p>Click here for full text details</p> <p>Relative: Higher AST Facility Status OPEN Facility-Site Id 8944761 Facility Status OPEN</p>							

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
--	--	-------------	--------------------------------

E28 < 1/8 1 ft.	HOGAN AND SONS 2745 NORTH SAINT LUCIE AVENUE VERO BEACH, FL 32960	TIER 2	S107719603 N/A
Relative: Higher	Click here for full text details		

B29 < 1/8 1 ft.	INDIAN RIVER ASSOCIATES INC 2800 N US 1 VERO BEACH, FL 32960	LUST UST DWM CONTAM	U001356903 N/A
Relative: Higher	Click here for full text details		
	LUST Facility Status OPEN Facility-Site Id 9102774 Discharge Cleanup Status NREQ - CLEANUP NOT REQUIRED Click here for Florida Oculus		
	UST Facility Status OPEN Facility-Site Id 9102774		
	DWM CONTAM Program Site Id 9102774		

B30 < 1/8 1 ft.	BESHACO INC 1360 28TH ST VERO BEACH, FL 32960	RCRA NonGen / NLR FINDS ECHO	100468484 FLR000035527
Relative: Higher	Click here for full text details		
	RCRA NonGen / NLR EPA Id FLR000035527		
	FINDS Registry ID: 110005644455		
	ECHO Registry ID 110005644455		

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

B31 KEWANEE BOILER MODEL 100 RCRA NonGen / NLR 1000245515
 NORTH US 1 & 28TH ST FLD032821985
 < 1/8 VERO BEACH, FL 32960
 1 ft.

[Click here for full text details](#)

Relative:
 Higher RCRA NonGen / NLR
 EPA Id FLD032821985

32 MICHAEL FIELD DEBRIS STAGING AREA SWF/LF S109688736
 SSE 2700 BLOCK OF 12TH AVENUE N/A
 < 1/8 VERO BEACH, FL 32960
 0.008 mi.
 41 ft.

[Click here for full text details](#)

Relative:
 Higher SWF/LF
 Facility-Site Id 97997
 Class Status INACTIVE (I)

[Click here for Florida Oculus](#)

G33 ALONSO ROBERT EDR Hist Auto 1021694748
 SSE 2626 US HIGHWAY 1 N/A
 < 1/8 VERO BEACH, FL 32960
 0.012 mi.
 64 ft.

[Click here for full text details](#)

Relative:
 Higher

H34 TAMPOPRINT INTERNATIONAL CORP SPILLS S115055388
 South 1400 26TH ST HW GEN N/A
 < 1/8 VERO BEACH, FL 32960
 0.033 mi.
 175 ft.

[Click here for full text details](#)

Relative:
 Higher SPILLS
 OHMIT Incident Number 49742
 Incident Status Closed

H35 TAMPOPRINT INTERNATIONAL CORP RCRA-SQG 1001231866
 South 1400 26TH ST FINDS FLR000050617
 < 1/8 VERO BEACH, FL 32960 ECHO
 0.033 mi.
 175 ft.

[Click here for full text details](#)

Relative:
 Higher RCRA-SQG
 EPA Id FLR000050617

FINDS
 Registry ID: 110005653248

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TAMPOPRINT INTERNATIONAL CORP (Continued)

1001231866

ECHO

Registry ID 110005653248

G36
SSE
< 1/8
0.037 mi.
195 ft.

AMOCO #60304
2602 US HWY 1
VERO BEACH, FL 32960

UST
DWM CONTAM

U001356615
N/A

Relative:
Higher

[Click here for full text details](#)

UST

Facility Status CLOSED
Facility-Site Id 8509170

DWM CONTAM

Program Site Id 8509170

G37
SSE
< 1/8
0.037 mi.
195 ft.

AMOCO #60304
2602 US HWY 1
VERO BEACH, FL 32960

LUST
CLEANUP SITES

S129056322
N/A

Relative:
Higher

[Click here for full text details](#)

LUST

Facility Status CLOSED
Facility-Site Id 8509170
Discharge Cleanup Status RA - RA ONGOING
Discharge Cleanup Status NREQ - CLEANUP NOT REQUIRED

[Click here for Florida Oculus](#)

CLEANUP SITES

DEP Cleanup Site Key 74751800

G38
SSE
< 1/8
0.037 mi.
195 ft.

COUNTRY CORNER 2602 INC
2602 N US HWY 1
VERO BEACH, FL 32960

UST
Financial Assurance

U003332684
N/A

Relative:
Higher

[Click here for full text details](#)

UST

Facility Status OPEN
Facility-Site Id 9800361

Financial Assurance

Facility Status OPEN
Facility ID 9800361

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
--	--	-------------	--------------------------------

39 SSW < 1/8 0.069 mi. 362 ft.	VERO BEACH CITY-PUBLIC WORKS 1700 27TH ST VERO BEACH, FL 32960 Click here for full text details	LUST UST AST DWM CONTAM Financial Assurance	U001356660 N/A
--	---	--	---------------------------------

Relative:
Higher

LUST
 Facility Status CLOSED
 Facility-Site Id 8520243
 Discharge Cleanup Status SRCR - SRCR COMPLETE

Click here for Florida Oculus

UST
 Facility Status CLOSED
 Facility-Site Id 8520243

AST
 Facility Status CLOSED
 Facility-Site Id 9047280
 Facility Status CLOSED

DWM CONTAM
 Program Site Id 8520243

Financial Assurance
 Facility Status CLOSED
 Facility ID 9047280

I40 SSE < 1/8 0.075 mi. 397 ft.	VERO BEACH IMPORT AUTO SERVICE INC 2566 N US HWY 1 VERO BEACH, FL 32960 Click here for full text details	LUST UST CLEANUP SITES DWM CONTAM	U001378170 N/A
---	--	--	---------------------------------

Relative:
Higher

LUST
 Facility Status CLOSED
 Facility-Site Id 9101921
 Discharge Cleanup Status RA - RA ONGOING

Click here for Florida Oculus

UST
 Facility Status CLOSED
 Facility-Site Id 9101921

CLEANUP SITES
 DEP Cleanup Site Key 74751843

DWM CONTAM

MAP FINDINGS

Map ID			
Direction			
Distance			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

VERO BEACH IMPORT AUTO SERVICE INC (Continued)

U001378170

Program Site Id 9101921

I41
SSE
< 1/8
0.075 mi.
397 ft.

FALLEN FENDER PAINT & BODY
2566 US HIGHWAY 1
VERO BEACH, FL 32960

RCRA-VSQQ 1004685306
FINDS FLR000053496
ECHO

[Click here for full text details](#)

Relative:
Higher

RCRA-VSQQ
EPA Id FLR000053496

FINDS

Registry ID: 110006158406

ECHO

Registry ID 110006158406

I42
SSE
< 1/8
0.089 mi.
471 ft.

STEIL JAMES W INC
2546 US HWY 1
VERO BEACH, FL 32960

EDR Hist Auto 1021202615
N/A

[Click here for full text details](#)

Relative:
Higher

I43
SSE
< 1/8
0.089 mi.
471 ft.

STEIL STATION
2546 US HWY 1
VERO BEACH, FL 32960

LUST U001356709
UST N/A
CLEANUP SITES
DWM CONTAM

[Click here for full text details](#)

Relative:
Higher

LUST

Facility Status CLOSED
Facility-Site Id 8629891
Discharge Cleanup Status RA - RA ONGOING

[Click here for Florida Oculus](#)

UST

Facility Status CLOSED
Facility-Site Id 8629891

CLEANUP SITES

DEP Cleanup Site Key 74751743

DWM CONTAM

Program Site Id 8629891

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
I44 SSE 1/8-1/4 0.127 mi. 670 ft.	RYDER TRUCK RENTAL 2502 US HWY 1 VERO BEACH, FL 32960	LUST UST DWM CONTAM	U001054425 N/A
Relative: Higher	<p>Click here for full text details</p> <p>LUST Facility Status CLOSED Facility-Site Id 8842481 Discharge Cleanup Status SRCR - SRCR COMPLETE</p> <p>Click here for Florida Oculus</p> <p>UST Facility Status CLOSED Facility-Site Id 8842481</p> <p>DWM CONTAM Program Site Id 8842481</p>		
I45 SSE 1/8-1/4 0.128 mi. 674 ft.	RYDER TRUCK RENTAL 2506 U.S. 1 VERO BEACH, FL 32961	RCRA-VSQG	1014469862 FLTMP9102768
Relative: Higher	<p>Click here for full text details</p> <p>RCRA-VSQG EPA Id FLTMP9102768</p>		
I46 SSE 1/8-1/4 0.133 mi. 701 ft.	OLD RYDER TRUCK RENTAL 2506 US 1 NORTH VERO BEACH, FL 38960	RCRA-VSQG	1014470247 FLTMP9103181
Relative: Higher	<p>Click here for full text details</p> <p>RCRA-VSQG EPA Id FLTMP9103181</p>		
47 WNW 1/8-1/4 0.149 mi. 788 ft.	VERO BEACH SA WELL 3 AAF5959 , FL	PFAS WQP	1027313908 N/A
Relative: Higher	<p>Click here for full text details</p>		

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

48 SSW 1/8-1/4 0.174 mi. 921 ft.	INDIAN RIVER CNTY-ADMIN BLDG 1840 25TH ST VERO BEACH, FL 32960 Click here for full text details	LUST UST DWM CONTAM RESP PARTY	U001378174 N/A
---	---	---	---------------------------------

Relative:
Higher

LUST
 Facility Status CLOSED
 Facility-Site Id 9200434
 Discharge Cleanup Status NREQ - CLEANUP NOT REQUIRED

[Click here for Florida Oculus](#)

UST
 Facility Status CLOSED
 Facility-Site Id 9200434

DWM CONTAM
 Program Site Id ERIC_11023
 Program Site Id 9200434

RESP PARTY
 Site Status CLOSED

49 SSE 1/8-1/4 0.196 mi. 1037 ft.	INDIAN RIVER RADIATORS INC 2424 US HIGHWAY 1 VERO BEACH, FL 32960 Click here for full text details	RCRA NonGen / NLR	1000245518 FLD982082075
--	--	--------------------------	--

Relative:
Higher

RCRA NonGen / NLR
 EPA Id FLD982082075

50 WNW 1/8-1/4 0.219 mi. 1158 ft.	CORPORATE AIR INC 2640 AIRPORT NORTH DR VERO BEACH, FL 32960 Click here for full text details	AST	A100433910 N/A
--	---	------------	---------------------------------

Relative:
Higher

AST
 Facility Status CLOSED
 Facility-Site Id 9815583
 Facility Status CLOSED

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
51 North 1/8-1/4 0.224 mi. 1181 ft.	SEA BREEZE NURSING & REHAB 3663 15TH AVE VERO BEACH, FL 32960 Click here for full text details	AST	A100380692 N/A
Relative: Lower	AST Facility Status OPEN Facility-Site Id 9813639 Facility Status OPEN		
52 SSE 1/8-1/4 0.249 mi. 1316 ft.	AUTO SUPPLY CO OF VERO BEACH INC 2400 12TH AVE VERO BEACH, FL 32960 Click here for full text details	RCRA NonGen / NLR FINDS ECHO	1000327033 FLD982138745
Relative: Higher	RCRA NonGen / NLR EPA Id FLD982138745 FINDS Registry ID: 110005273523 ECHO Registry ID 110005273523		
53 SE 1/4-1/2 0.270 mi. 1426 ft.	FLORIDA BAPTIST RETIREMENT CTR 106 33RD ST VERO BEACH, FL 32960 Click here for full text details	LUST UST DWM CONTAM	U003110828 N/A
Relative: Lower	LUST Facility Status CLOSED Facility-Site Id 9600482 Discharge Cleanup Status NREQ - CLEANUP NOT REQUIRED Click here for Florida Oculus UST Facility Status CLOSED Facility-Site Id 9600482 DWM CONTAM Program Site Id 9600482		

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
--	--	-------------	--------------------------------

54
NW
1/4-1/2
0.293 mi.
1545 ft.

VERO BEACH CITY-WTP
2515 AIRPORT NORTH DR
VERO BEACH, FL 32960

	SWF/LF	U004175059
	UST	N/A
Financial Assurance	HW GEN	
	TIER 2	

[Click here for full text details](#)

Relative:
Higher

SWF/LF
Facility-Site Id 104776
Class Status INACTIVE (I)

[Click here for Florida Oculus](#)

UST
Facility Status OPEN
Facility-Site Id 9202133

Financial Assurance
Facility Status OPEN
Facility ID 9202133

TIER 2
Facility Id 6802001
Facility Id 5827664
Facility Id 6647437
Facility Id 6086000
Facility Id 3989738
Facility Id 4043731
Facility Id 4983575
Facility Id 7116776
Facility Id 6357399
Facility Id 4489048
Facility Id 5382158

55
ENE
1/4-1/2
0.293 mi.
1549 ft.

FLORIDA MINISTRY RETIREMENT CTR
1006 33RD ST
VERO BEACH, FL 32960

	LUST	U003111386
	UST	N/A
DWM CONTAM		

[Click here for full text details](#)

Relative:
Lower

LUST
Facility Status CLOSED
Facility-Site Id 9601363
Discharge Cleanup Status NREQ - CLEANUP NOT REQUIRED

[Click here for Florida Oculus](#)

UST
Facility Status CLOSED
Facility-Site Id 9601363

DWM CONTAM
Program Site Id 9601363

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

56
SSE
1/4-1/2
0.335 mi.
1770 ft.

7-ELEVEN FOOD STORE #25616
2296 US HIGHWAY 1
VERO BEACH, FL 32960

LUST S126286839
DWM CONTAM N/A

[Click here for full text details](#)

Relative:
Higher

LUST

Facility Status OPEN
Facility-Site Id 8520266
Discharge Cleanup Status NREQ - CLEANUP NOT REQUIRED
Discharge Cleanup Status SRCR - SRCR COMPLETE

[Click here for Florida Oculus](#)

DWM CONTAM

Program Site Id 8520266

57
NE
1/4-1/2
0.344 mi.
1815 ft.

INDIAN RIVER MEMORIAL HOSPITAL - EMERGENCY DEPARTM
1000 36TH ST
VERO BEACH, FL 32960

RCRA-SQG 1000245523
LAST FLD982149023
LUST
UST
AST
CLEANUP SITES
DWM CONTAM
Financial Assurance
TIER 2
NPDES

[Click here for full text details](#)

Relative:
Lower

RCRA-SQG

EPA Id FLD982149023

LAST

Facility-Site Id 8629989

[Click here for Florida Oculus](#)

LUST

Facility Status OPEN
Facility-Site Id 8629989
Discharge Cleanup Status SA - SA ONGOING

[Click here for Florida Oculus](#)

UST

Facility Status OPEN
Facility-Site Id 8629989

AST

Facility Status OPEN
Facility-Site Id 8629989
Facility Status OPEN

CLEANUP SITES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDIAN RIVER MEMORIAL HOSPITAL - EMERGENCY DEPARTMENT EXP (Continued)

1000245523

DEP Cleanup Site Key 74751741

DWM CONTAM

Program Site Id 8629989

Financial Assurance

Facility Status OPEN

Facility ID 8629989

TIER 2

Facility Id 6408962

Facility Id 6697776

NPDES

Facility ID FLR10LC03

Status A

58
SSE
1/4-1/2
0.409 mi.
2161 ft.

PATIO PAWN SHOP INC
2156 US HWY 1
VERO BEACH, FL 32960

LUST U001356898
UST N/A
DWM CONTAM

[Click here for full text details](#)

Relative:
Higher

LUST

Facility Status CLOSED

Facility-Site Id 9100938

Discharge Cleanup Status SRCR - SRCR COMPLETE

[Click here for Florida Oculus](#)

UST

Facility Status CLOSED

Facility-Site Id 9100938

DWM CONTAM

Program Site Id 9100938

59
East
1/4-1/2
0.432 mi.
2281 ft.

VERO BEACH COUNTRY CLUB
800 30TH ST
VERO BEACH, FL 32960

LUST U001356871
UST N/A
DWM CONTAM
NPDES

[Click here for full text details](#)

Relative:
Lower

LUST

Facility Status CLOSED

Facility-Site Id 8945461

Discharge Cleanup Status SRCR - SRCR COMPLETE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VERO BEACH COUNTRY CLUB (Continued)

U001356871

[Click here for Florida Oculus](#)

UST

Facility Status CLOSED
Facility-Site Id 8945461

DWM CONTAM

Program Site Id 8945461

NPDES

Facility ID FLR20CY85
Status A

60
SSE
1/4-1/2
0.483 mi.
2551 ft.

YOLE VERO TIRE INC
1102 21ST ST
VERO BEACH, FL 32960

LUST **U001356675**
UST **N/A**
DWM CONTAM
Financial Assurance

Relative:
Higher

[Click here for full text details](#)

LUST

Facility Status CLOSED
Facility-Site Id 8520272
Discharge Cleanup Status SRCR - SRCR COMPLETE

[Click here for Florida Oculus](#)

UST

Facility Status CLOSED
Facility-Site Id 8520272

DWM CONTAM

Program Site Id 8520272

Financial Assurance

Facility Status CLOSED
Facility ID 8520272

61
South
1/4-1/2
0.495 mi.
2615 ft.

US POSTAL SERVICE
2050 13TH AVE
VERO BEACH, FL 32960

LUST **S120043017**
DWM CONTAM **N/A**

Relative:
Higher

[Click here for full text details](#)

LUST

Facility Status CLOSED
Facility-Site Id 8629905
Discharge Cleanup Status SRCR - SRCR COMPLETE

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

US POSTAL SERVICE (Continued)

S120043017

Discharge Cleanup Status NREQ - CLEANUP NOT REQUIRED

[Click here for Florida Oculus](#)

DWM CONTAM

Program Site Id 8629905

62
WNW
1/2-1
0.672 mi.
3546 ft.

VERO BEACH NAVAL AIR STATION

FUDS 1007212645
N/A

VERO BEACH, FL

[Click here for full text details](#)

Relative:
Higher

63
WSW
1/2-1
0.752 mi.
3972 ft.

PIPER AIRCRAFT CORP. (VERO DIV)
PIPER DR. & AVIATION BLVD.
VERO BEACH, FL

FI Sites S100889075
N/A

[Click here for full text details](#)

Relative:
Higher

FI Sites

Facility-Site Id 000114
EPA ID FLD004054284

[Click here for Florida Oculus](#)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
FL	AIRS	Permitted Facilities Listing	Department of Environmental Protection	12/31/2022	01/25/2023	04/11/2023
FL	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	Department of Environmental Protection	05/11/2023	05/16/2023	05/31/2023
FL	ASBESTOS	Asbestos Notification Listing	Department of Environmental Protection	02/09/2023	02/10/2023	04/27/2023
FL	AST	Storage Tank Facility Information	Department of Environmental Protection	02/10/2023	02/10/2023	04/28/2023
FL	BROWNFIELDS	Brownfields Sites Database	Department of Environmental Protection	08/05/2022	09/27/2022	12/09/2022
FL	BROWNFIELDS AREAS	Brownfields Areas Database	Department of Environmental Protection	12/07/2021	06/27/2022	09/13/2022
FL	BSRA	Brownfield Site Rehabilitation Agreements Listing	Department of Environmental Protection	02/28/2022	03/29/2022	06/23/2022
FL	CLEANUP SITES	DEP Cleanup Sites - Contamination Locator Map Listing	Department of Environmental Protection	11/29/2022	02/21/2023	05/10/2023
FL	DEDB	Ethylene Dibromide Database Results	Department of Environmental Protection	12/07/2022	12/07/2022	03/01/2023
FL	DRYCLEANERS	Drycleaning Facilities	Department of Environmental Protection	01/17/2023	01/18/2023	04/05/2023
FL	DWM CONTAM	DWM CONTAMINATED SITES	Department of Environmental Protection	10/12/2022	01/04/2023	03/21/2023
FL	ENG CONTROLS	Institutional Controls Registry	Department of Environmental Protection	11/29/2022	12/21/2022	03/14/2023
FL	FF TANKS	Federal Facilities Listing	Department of Environmental Protection	03/07/2023	03/08/2023	05/23/2023
FL	FL Cattle Dip. Vats	Cattle Dipping Vats	Department of Environmental Protection	09/27/2019	01/10/2020	02/11/2020
FL	FL SITES	Sites List	Department of Environmental Protection	12/31/1989	05/09/1994	08/04/1994
FL	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Protection	01/03/2023	01/24/2023	04/11/2023
FL	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental Protection	01/03/2023	01/24/2023	04/11/2023
FL	Financial Assurance 3	Financial Assurance Information Listing	Department of Environmental Protection	02/09/2023	02/09/2023	04/28/2023
FL	HW GEN	Hazardous Waste Generators	Department of Environmental Protection	03/22/2023	03/23/2023	06/05/2023
FL	Inst Control	Institutional Controls Registry	Department of Environmental Protection	11/29/2022	12/21/2022	03/14/2023
FL	LAST	Leaking Aboveground Storage Tank Listing	Department of Environmental Protection	01/23/2023	01/24/2023	04/11/2023
FL	LUST	Petroleum Contamination Detail Report	Department of Environmental Protection	01/23/2023	01/24/2023	04/11/2023
FL	PFAS	PFOS and PFOA stand for perfluorooctane sulfonate and perflu	Department of Environmental Protection	03/08/2023	03/09/2023	04/11/2023
FL	PRIORITYCLEANERS	Priority Ranking List	Department of Environmental Protection	12/07/2022	02/07/2023	04/25/2023
FL	RESP PARTY	Responsible Party Sites Listing	Department of Environmental Protection	12/21/2022	12/21/2022	03/14/2023
FL	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Protection		07/01/2013	12/30/2013
FL	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Protection		07/01/2013	01/10/2014
FL	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Protection		07/01/2013	12/30/2013
FL	SHWS	Florida's State-Funded Action Sites	Department of Environmental Protection	02/09/2023	02/14/2023	05/09/2023
FL	SITE INV SITES	Site Investigation Section Sites Listing	Department of Environmental Protection	02/13/2023	02/14/2023	05/09/2023
FL	SPILLS	Oil and Hazardous Materials Incidents	Department of Environmental Protection	12/28/2022	12/28/2022	03/20/2023
FL	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	09/01/2001	01/03/2013	03/06/2013
FL	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/10/2012	01/03/2013	03/04/2013
FL	SWF/LF	Solid Waste Facility Database	Department of Environmental Protection	01/09/2023	01/10/2023	03/27/2023
FL	SWRCY	Recycling Centers	Department of Environmental Protection	12/20/2022	01/10/2023	03/27/2023
FL	TANKS	Storage Tank Facility List	Department of Environmental Protection	02/10/2023	02/10/2023	04/28/2023
FL	TIER 2	Tier 2 Facility Listing	Department of Environmental Protection	12/31/2021	06/08/2022	08/24/2022
FL	UIC	Underground Injection Wells Database Listing	Department of Environmental Protection	04/13/2023	04/14/2023	04/19/2023
FL	UST	Storage Tank Facility Information	Department of Environmental Protection	02/10/2023	02/10/2023	04/28/2023
FL	VCP	Voluntary Cleanup Sites	Department of Environmental Protection	07/01/2022	08/11/2022	11/02/2022
FL	WASTEWATER	Wastewater Facility Regulation Database	Department of Environmental Protection	01/05/2023	01/31/2023	04/19/2023
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/17/2023	03/17/2023	05/30/2023
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	04/27/2023	04/27/2023	05/02/2023
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2022	01/12/2023	04/07/2023
US	CORRACTS	Corrective Action Report	EPA	03/06/2023	03/09/2023	03/20/2023
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	04/26/2023	05/02/2023	05/17/2023
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/01/2023	01/04/2023	04/03/2023
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/20/2023	03/21/2023	05/30/2023
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	03/26/2023	03/28/2023	05/30/2023
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	03/08/2023	03/09/2023	05/30/2023
US	FINDS	Facility Index System/Facility Registry System	EPA	02/02/2023	02/28/2023	03/24/2023
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	02/01/2023	02/14/2023	05/02/2023
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/13/2023	02/14/2023	04/19/2023
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/19/2023	03/21/2023	05/30/2023
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/19/2022	12/06/2022	03/03/2023
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	11/23/2022	12/06/2022	04/19/2023
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	11/26/2022	12/06/2022	03/03/2023
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/14/2022	12/06/2022	03/03/2023
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	11/23/2022	12/06/2022	03/03/2023
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/14/2022	12/06/2022	03/03/2023
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	11/23/2022	12/06/2022	03/03/2023
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	11/23/2022	12/06/2022	03/03/2023
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/19/2022	12/06/2022	03/03/2023
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	11/23/2022	12/06/2022	04/19/2023
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/14/2022	12/06/2022	03/03/2023
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/14/2022	12/06/2022	03/03/2023
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	11/23/2022	12/06/2022	03/03/2023
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	04/26/2023	05/02/2023	05/17/2023
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/26/2023	05/02/2023	05/17/2023
US	LUCIS	Land Use Control Information System	Department of the Navy	02/08/2023	02/09/2023	05/02/2023
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	02/27/2023	03/01/2023	03/24/2023
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	03/15/2023	03/21/2023	05/30/2023
US	NPL	National Priority List	EPA	04/26/2023	05/02/2023	05/17/2023
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	11/03/2022	01/04/2023	04/03/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	07/14/2011	08/05/2011	09/29/2011
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	03/30/2023	03/30/2023	04/07/2023
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	03/30/2023	03/30/2023	04/07/2023
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	02/23/2022	07/08/2022	11/08/2022
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	03/30/2023	03/30/2023	05/02/2023
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	03/07/2023	03/07/2023	03/24/2023
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	01/03/2022	01/31/2022	11/08/2022
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	03/30/2023	03/30/2023	05/02/2023
US	PRP	Potentially Responsible Parties	EPA	04/26/2023	05/02/2023	05/17/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/26/2023	05/02/2023	05/17/2023
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	ROD	Records Of Decision	EPA	04/26/2023	05/02/2023	05/17/2023
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	04/26/2023	05/02/2023	05/17/2023
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/26/2023	05/02/2023	05/17/2023
US	SSTS	Section 7 Tracking Systems	EPA	01/17/2023	01/18/2023	04/19/2023
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2021	02/16/2023	05/02/2023
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	04/06/2023	04/13/2023	04/19/2023
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	01/06/2023	02/02/2023	02/10/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/20/2023	02/21/2023	05/02/2023
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/13/2023	03/21/2023	05/30/2023
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	01/06/2023	02/02/2023	02/10/2023
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/20/2023	02/21/2023	05/02/2023
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/02/2023	02/22/2023	05/17/2023
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	11/09/2021	10/20/2022	01/10/2023
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	11/16/2022	11/16/2022	02/06/2023
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	10/29/2021	01/19/2022
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
FL	Daycare Centers	Sensitive Receptor: Department of Children & Families	Provider Information			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
FL	State Wetlands	Wetlands Inventory	Department of Environmental Protection			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SR-5/AVIATION BLVD
3106 US HWY 1/ MULTIPLE ADDRESSES
VERO BEACH, FL 32960

TARGET PROPERTY COORDINATES

Latitude (North):	27.650708 - 27° 39' 2.55"
Longitude (West):	80.400446 - 80° 24' 1.61"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	559140.4
UTM Y (Meters):	3058484.0
Elevation:	11 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	11481070 VERO BEACH, FL
Version Date:	2018

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

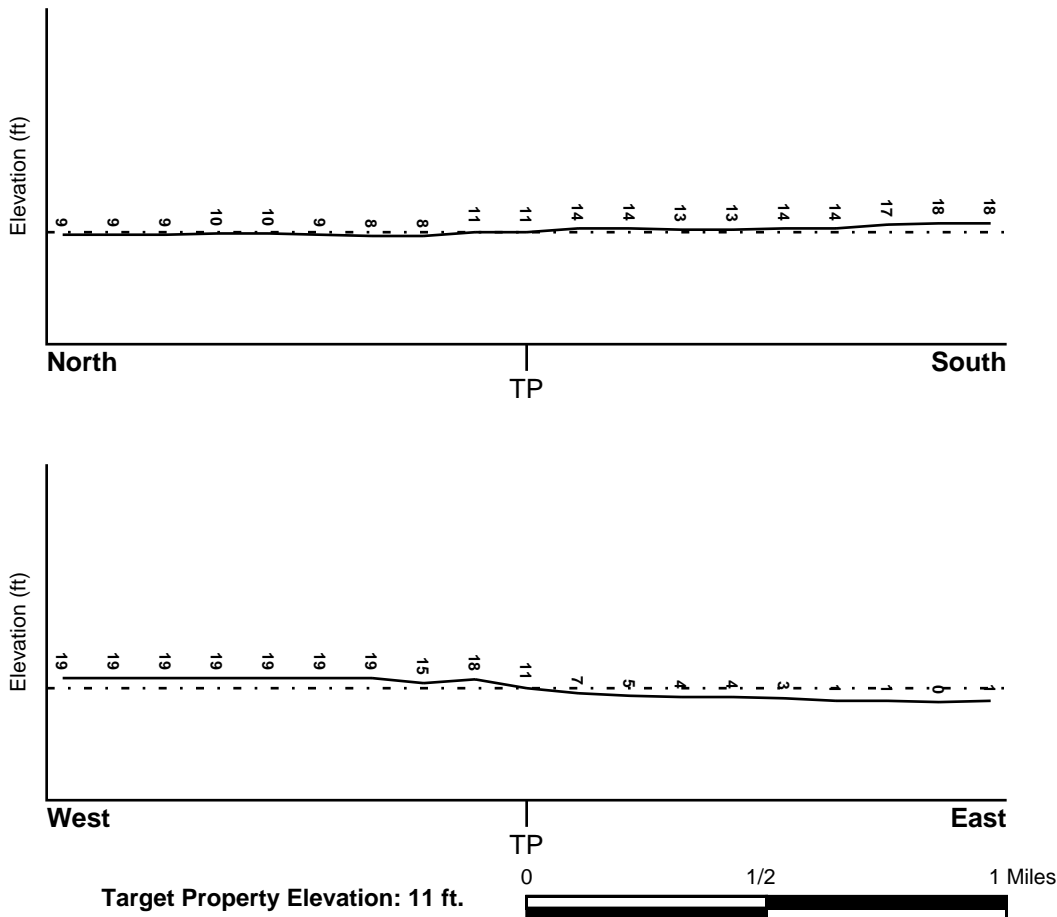
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
12061C0244H	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
12061C0242H	FEMA FIRM Flood data
12061C0241H	FEMA FIRM Flood data
12061C0243H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

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

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

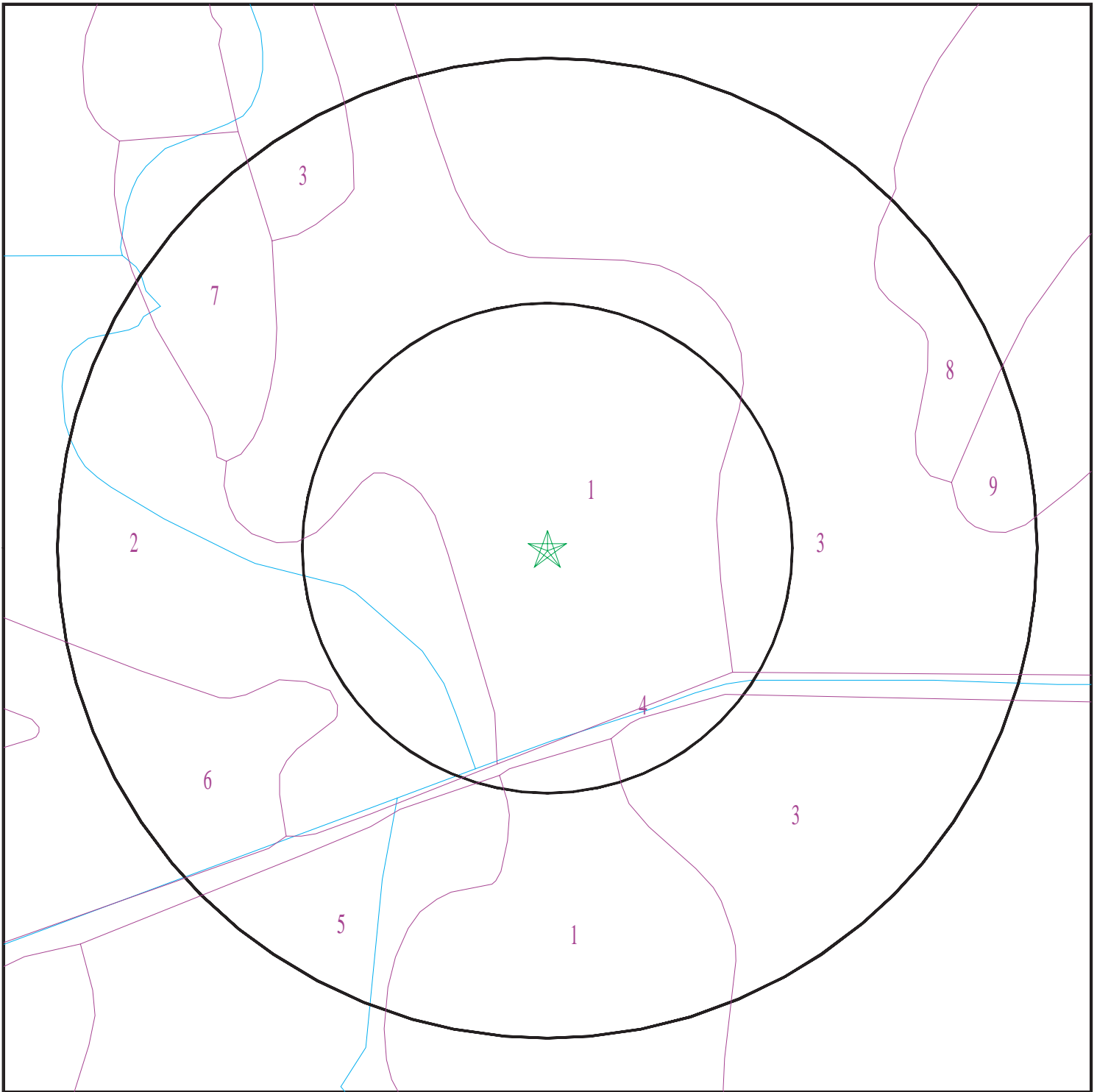
Era: Cenozoic
System: Quaternary
Series: Pleistocene
Code: Qp (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

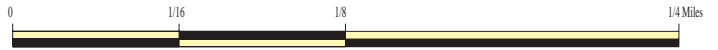
Category: Stratified Sequence

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

SSURGO SOIL MAP - 7359603.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: SR-5/Aviation Blvd
ADDRESS: 3106 US Hwy 1/ Multiple Addresses
Vero Beach FL 32960
LAT/LONG: 27.650708 / 80.400446

CLIENT: Wantman Group Inc
CONTACT: Derek Lee
INQUIRY #: 7359603.2s
DATE: June 08, 2023 3:11 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: Urban land

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

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: St. Lucie

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	79 inches	sand	Not reported	Not reported	Max: 141.111 Min: 141.111	Max: 7.3 Min: 3.6

Soil Map ID: 3

Soil Component Name: Myakka

Soil Surface Texture: fine sand

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	27 inches	fine sand	Not reported	Not reported	Max: 141 Min: 42	Max: 6.5 Min: 3.6
2	27 inches	57 inches	fine sand	Not reported	Not reported	Max: 141 Min: 42	Max: 6.5 Min: 3.6
3	57 inches	79 inches	fine sand	Not reported	Not reported	Max: 141 Min: 42	Max: 6.5 Min: 3.6

Soil Map ID: 4

Soil Component Name: Waters of the Atlantic Ocean

Soil Surface Texture: fine sand

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 5

Soil Component Name: Pomello

Soil Surface Texture: sand

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	61 inches	sand	Not reported	Not reported	Max: 141 Min: 42	Max: 6 Min: 4.5
2	61 inches	72 inches	sand	Not reported	Not reported	Max: 141 Min: 42	Max: 6 Min: 4.5
3	72 inches	79 inches	sand	Not reported	Not reported	Max: 141 Min: 42	Max: 6 Min: 4.5

Soil Map ID: 6

Soil Component Name: Arents

Soil Surface Texture: sand

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	sand	Not reported	Not reported	Max: 141 Min: 42	Max: 6.5 Min: 5.6
2	9 inches	31 inches	sand	Not reported	Not reported	Max: 141 Min: 42	Max: 6.5 Min: 5.6
3	31 inches	59 inches	sand	Not reported	Not reported	Max: 141 Min: 42	Max: 6.5 Min: 5.6

Soil Map ID: 7

Soil Component Name: Paola

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	sand	Not reported	Not reported	Max: 141.111 Min: 141.111	Max: 7.3 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	11 inches	79 inches	sand	Not reported	Not reported	Max: 141.111 Min: 141.111	Max: 7.3 Min: 3.6

Soil Map ID: 8

Soil Component Name: Wabasso

Soil Surface Texture: fine sand

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	24 inches	fine sand	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
2	24 inches	35 inches	fine sand	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
3	48 inches	79 inches	loamy sand	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1
4	35 inches	48 inches	sandy clay loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.1

Soil Map ID: 9

Soil Component Name: Boca

Soil Surface Texture: fine sand

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sand	Not reported	Not reported	Max: Min:	Max: Min:
2	5 inches	20 inches	fine sand	Not reported	Not reported	Max: Min:	Max: Min:
3	20 inches	29 inches	fine sandy loam	Not reported	Not reported	Max: Min:	Max: Min:
4	29 inches	29 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
12	FL4310206	1/8 - 1/4 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
--------	---------	---------------------

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	FLDGW7000003481	1/8 - 1/4 Mile SSW
A2	FLSA12000022563	1/8 - 1/4 Mile WNW
A3	FLPUB1000001235	1/8 - 1/4 Mile WNW
A4	FLSJ12000024705	1/8 - 1/4 Mile NW
A5	FLSJ12000024704	1/8 - 1/4 Mile NW
A6	FLSJ12000023695	1/8 - 1/4 Mile NW
A7	FLSJ12000044850	1/8 - 1/4 Mile NW
A8	FLSJ12000057750	1/8 - 1/4 Mile NW
A9	FLSJ12000035861	1/8 - 1/4 Mile NW
A10	FLSJ12000024706	1/8 - 1/4 Mile NW
A11	FLSJ12000024737	1/8 - 1/4 Mile NW
A13	FLSJ12000022915	1/8 - 1/4 Mile NW
A14	FLSJ12000004767	1/8 - 1/4 Mile NW
A15	FLSJ12000004739	1/8 - 1/4 Mile NW
A16	FLSJ12000054685	1/8 - 1/4 Mile NW
A17	FLSJ12000050501	1/8 - 1/4 Mile NW
A18	FLSJ12000047435	1/8 - 1/4 Mile NW
A19	FLSJ12000044008	1/8 - 1/4 Mile NW
A20	FLSJ12000046709	1/8 - 1/4 Mile NW
A21	FLSA12000022564	1/8 - 1/4 Mile WNW
A22	FLPUB1000001256	1/8 - 1/4 Mile WNW
23	FLSJ12000031156	1/4 - 1/2 Mile NW
B24	FLSJ12000001692	1/4 - 1/2 Mile WNW
B25	FLSJ12000014338	1/4 - 1/2 Mile WNW
B26	FLSJ12000000562	1/4 - 1/2 Mile WNW
B27	FLSJ12000001691	1/4 - 1/2 Mile WNW
B28	FLSJ12000036573	1/4 - 1/2 Mile WNW
B29	FLSJ12000041142	1/4 - 1/2 Mile WNW
B30	FLSJ12000015023	1/4 - 1/2 Mile WNW
B31	FLSJ12000015024	1/4 - 1/2 Mile WNW
32	FLSA12000026841	1/4 - 1/2 Mile SW
B33	FLSA12000022569	1/4 - 1/2 Mile WNW
B34	FLPUB1000001236	1/4 - 1/2 Mile WNW
B35	FLSA12000022568	1/4 - 1/2 Mile NW
B36	FLSA12000022567	1/4 - 1/2 Mile WNW
B37	FLSJ12000064443	1/4 - 1/2 Mile WNW
B38	FLSJ12000068398	1/4 - 1/2 Mile WNW
B39	FLSJ12000048782	1/4 - 1/2 Mile WNW
B40	FLSJ12000016993	1/4 - 1/2 Mile WNW
B41	FLSJ12000002662	1/4 - 1/2 Mile WNW
B42	FLSJ12000018030	1/4 - 1/2 Mile WNW
B43	FLSJ12000039739	1/4 - 1/2 Mile WNW
B44	FLSJ12000031363	1/4 - 1/2 Mile WNW
B45	FLPUB1000001237	1/4 - 1/2 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C46	FLSJ12000021750	1/4 - 1/2 Mile NW
C47	FLSJ12000021164	1/4 - 1/2 Mile NW
C48	FLSJ12000004551	1/4 - 1/2 Mile NW
C49	FLSJ12000003651	1/4 - 1/2 Mile NW
C50	FLSJ12000002443	1/4 - 1/2 Mile NW
C51	FLSJ120000035640	1/4 - 1/2 Mile NW
C52	FLSJ12000044050	1/4 - 1/2 Mile NW
C53	FLSJ12000039721	1/4 - 1/2 Mile NW
D54	FLSA12000022565	1/4 - 1/2 Mile NW
D55	FLPUB1000001244	1/4 - 1/2 Mile NW
D56	FLSJ12000034288	1/4 - 1/2 Mile NW
D57	FLSJ12000015363	1/4 - 1/2 Mile NW
D58	FLSJ12000040526	1/4 - 1/2 Mile NW
D59	FLSJ12000039584	1/4 - 1/2 Mile NW
D60	FLSJ12000015035	1/4 - 1/2 Mile NW
D61	FLSJ12000011843	1/4 - 1/2 Mile NW
D62	FLSJ12000002319	1/4 - 1/2 Mile NW
D63	FLSJ12000015034	1/4 - 1/2 Mile NW
E64	FLSJ12000030829	1/4 - 1/2 Mile SW
E65	FLSJ12000031194	1/4 - 1/2 Mile SW
E66	FLSJ12000008466	1/4 - 1/2 Mile SW
E67	FLSJ12000008157	1/4 - 1/2 Mile SW
E68	FLSJ12000030828	1/4 - 1/2 Mile SW
E69	FLSJ12000030150	1/4 - 1/2 Mile SW
F70	FLSJ12000013944	1/4 - 1/2 Mile NE
F71	FLSJ12000064548	1/4 - 1/2 Mile NE
F72	FLSJ12000013945	1/4 - 1/2 Mile NE
F73	FLSJ12000031136	1/4 - 1/2 Mile NE
G74	FLSJ12000033011	1/4 - 1/2 Mile NNE
G75	FLSJ12000010222	1/4 - 1/2 Mile NNE
G76	FLSJ12000006281	1/4 - 1/2 Mile NNE
D77	FLSA12000022566	1/4 - 1/2 Mile NNW
D78	FLPUB1000001238	1/4 - 1/2 Mile NNW
H79	FLSJ12000039041	1/4 - 1/2 Mile NNW
H80	FLSJ12000037650	1/4 - 1/2 Mile NNW
H81	FLSJ12000056527	1/4 - 1/2 Mile NNW
H82	FLSJ12000043289	1/4 - 1/2 Mile NNW
H83	FLSJ12000021376	1/4 - 1/2 Mile NNW
H84	FLSJ12000004359	1/4 - 1/2 Mile NNW
H85	FLSJ12000034160	1/4 - 1/2 Mile NNW
H86	FLSJ12000021377	1/4 - 1/2 Mile NNW
I87	FLSJ12000025794	1/2 - 1 Mile North
I88	FLSJ12000025793	1/2 - 1 Mile North
I89	FLSJ12000032564	1/2 - 1 Mile North
I90	FLSJ12000049099	1/2 - 1 Mile North
J91	FLSJ12000017677	1/2 - 1 Mile NNE
J92	FLSJ12000015206	1/2 - 1 Mile NNE
J93	FLSJ12000048205	1/2 - 1 Mile NNE
J94	FLSJ12000017718	1/2 - 1 Mile NNE
J95	FLSJ12000018733	1/2 - 1 Mile NNE
J96	FLSJ12000040932	1/2 - 1 Mile NNE
J97	FLSJ12000003571	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J98	FLSJ12000015431	1/2 - 1 Mile NNE
K99	FLSJ12000019795	1/2 - 1 Mile WNW
K100	FLSJ12000030747	1/2 - 1 Mile WNW
K101	FLSJ12000042697	1/2 - 1 Mile WNW
K102	FLSJ12000016071	1/2 - 1 Mile WNW
K103	FLSJ12000002702	1/2 - 1 Mile WNW
K104	FLSJ12000010054	1/2 - 1 Mile WNW
K105	FLSJ12000016070	1/2 - 1 Mile WNW
K106	FLSJ12000067240	1/2 - 1 Mile WNW
K107	FLPUB1000001257	1/2 - 1 Mile WNW
K108	FLSA12000022570	1/2 - 1 Mile WNW
K109	FLSJ12000020174	1/2 - 1 Mile WNW
K110	FLSJ12000020175	1/2 - 1 Mile WNW
K111	FLSJ12000029540	1/2 - 1 Mile WNW
K112	FLSJ12000004488	1/2 - 1 Mile WNW
K113	FLSJ12000048918	1/2 - 1 Mile WNW
K114	FLSJ12000043287	1/2 - 1 Mile WNW
K115	FLSJ12000039033	1/2 - 1 Mile WNW
K116	FLSJ12000067475	1/2 - 1 Mile WNW
K117	FLPUB1000001243	1/2 - 1 Mile WNW
K118	FLSA12000022571	1/2 - 1 Mile WNW
L119	FLSJ12000004794	1/2 - 1 Mile ESE
L120	FLSJ12000023200	1/2 - 1 Mile ESE
L121	FLSJ12000022792	1/2 - 1 Mile ESE
L122	FLSJ12000068243	1/2 - 1 Mile ESE
L123	FLSJ12000048790	1/2 - 1 Mile ESE
L124	FLSJ12000022728	1/2 - 1 Mile ESE
L125	FLSJ12000011391	1/2 - 1 Mile ESE
L126	FLSJ12000070425	1/2 - 1 Mile East
M127	FLSJ12000007407	1/2 - 1 Mile East
M128	FLSJ12000041200	1/2 - 1 Mile East
M129	FLSJ12000035651	1/2 - 1 Mile East
M130	FLSJ12000010833	1/2 - 1 Mile East
M131	FLSJ12000019537	1/2 - 1 Mile East
M132	FLSJ12000019538	1/2 - 1 Mile East
M133	FLSJ12000035337	1/2 - 1 Mile East
M134	FLSJ12000056188	1/2 - 1 Mile East
N135	FLSJ12000046215	1/2 - 1 Mile East
N136	FLSJ12000055014	1/2 - 1 Mile East
N137	FLSJ12000029528	1/2 - 1 Mile East
N138	FLSJ12000018123	1/2 - 1 Mile East
N139	FLSJ12000018124	1/2 - 1 Mile East
N140	FLSJ12000058048	1/2 - 1 Mile East
N141	FLSJ12000036129	1/2 - 1 Mile East
N142	FLSJ12000058044	1/2 - 1 Mile East
O143	FLSJ12000038926	1/2 - 1 Mile ESE
O144	FLSJ12000013789	1/2 - 1 Mile ESE
O145	FLSJ12000068198	1/2 - 1 Mile ESE
O146	FLSJ12000058047	1/2 - 1 Mile ESE
O147	FLSJ12000001440	1/2 - 1 Mile ESE
O148	FLSJ12000000782	1/2 - 1 Mile ESE
O149	FLSJ12000013701	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O150	FLSJ12000008301	1/2 - 1 Mile ESE
P151	FLSA12000023768	1/2 - 1 Mile NNW
P152	FLPUB1000001239	1/2 - 1 Mile NNW
P153	FLSA12000023767	1/2 - 1 Mile NNW
P154	FLSJ12000048650	1/2 - 1 Mile NNW
P155	FLSJ12000024723	1/2 - 1 Mile NNW
P156	FLSJ12000024724	1/2 - 1 Mile NNW
P157	FLSJ12000025077	1/2 - 1 Mile NNW
P158	FLSJ12000006018	1/2 - 1 Mile NNW
P159	FLSJ12000029785	1/2 - 1 Mile NNW
P160	FLSJ12000028090	1/2 - 1 Mile NNW
P161	FLSJ12000005987	1/2 - 1 Mile NNW
P162	FLSJ12000018857	1/2 - 1 Mile NNW
P163	FLSJ12000019447	1/2 - 1 Mile NNW
P164	FLSJ12000067580	1/2 - 1 Mile NNW
P165	FLSJ12000054419	1/2 - 1 Mile NNW
P166	FLSJ12000035844	1/2 - 1 Mile NNW
P167	FLSJ12000063202	1/2 - 1 Mile NNW
P168	FLSJ12000019690	1/2 - 1 Mile NNW
P169	FLSJ12000028549	1/2 - 1 Mile NNW
Q170	FLSJ12000001815	1/2 - 1 Mile SW
Q171	FLSJ12000014840	1/2 - 1 Mile SW
Q172	FLSJ12000014839	1/2 - 1 Mile SW
Q173	FLSJ12000014838	1/2 - 1 Mile SW
Q174	FLSJ12000046046	1/2 - 1 Mile SW
Q175	FLSJ12000064664	1/2 - 1 Mile SW
Q176	FLSJ12000015108	1/2 - 1 Mile SW
Q177	FLSJ12000039819	1/2 - 1 Mile SW
R178	FLSJ12000014237	1/2 - 1 Mile ENE
R179	FLSJ12000013711	1/2 - 1 Mile ENE
R180	FLSJ12000014236	1/2 - 1 Mile ENE
R181	FLSJ12000049078	1/2 - 1 Mile ENE
R182	FLSJ12000038894	1/2 - 1 Mile ENE
R183	FLSJ12000046420	1/2 - 1 Mile ENE
R184	FLSJ12000064221	1/2 - 1 Mile ENE
Q185	FLPUB1000001247	1/2 - 1 Mile SW
Q186	FLSA12000023770	1/2 - 1 Mile SW
R187	FLSJ12000058050	1/2 - 1 Mile ENE
188	FLDGW7000007363	1/2 - 1 Mile SSE
S189	FLSJ12000021044	1/2 - 1 Mile WSW
S190	FLSJ12000034431	1/2 - 1 Mile WSW
S191	FLSJ12000034130	1/2 - 1 Mile WSW
S192	FLSJ12000022385	1/2 - 1 Mile WSW
S193	FLSJ12000004404	1/2 - 1 Mile WSW
S194	FLSJ12000003338	1/2 - 1 Mile WSW
S195	FLSJ12000020903	1/2 - 1 Mile WSW
S196	FLSJ12000010742	1/2 - 1 Mile WSW
T197	FLSJ12000041249	1/2 - 1 Mile ENE
T198	FLSJ12000016900	1/2 - 1 Mile ENE
T199	FLSJ12000015635	1/2 - 1 Mile ENE
T200	FLSJ12000041525	1/2 - 1 Mile ENE
T201	FLSJ12000053671	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
T202	FLSJ12000056773	1/2 - 1 Mile ENE
T203	FLSJ12000055411	1/2 - 1 Mile ENE
S204	FLSA12000023762	1/2 - 1 Mile WSW
S205	FLPUB1000001245	1/2 - 1 Mile WSW
T206	FLSJ12000058049	1/2 - 1 Mile ENE
U207	FLSJ12000057948	1/2 - 1 Mile East
U208	FLSJ12000039119	1/2 - 1 Mile East
T209	FLSJ12000019072	1/2 - 1 Mile ENE
T210	FLSJ12000010762	1/2 - 1 Mile ENE
T211	FLSJ12000028721	1/2 - 1 Mile ENE
T212	FLSJ12000042234	1/2 - 1 Mile ENE
T213	FLSJ12000058094	1/2 - 1 Mile ENE
V214	FLSJ12000054116	1/2 - 1 Mile West
V215	FLSJ12000062509	1/2 - 1 Mile West
V216	FLSJ12000045127	1/2 - 1 Mile West
V217	FLSJ12000011486	1/2 - 1 Mile West
V218	FLSJ12000026583	1/2 - 1 Mile West
V219	FLSJ12000013423	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 7359603.2s



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

- Groundwater Flow Direction
- Sink holes
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: SR-5/Aviation Blvd
 ADDRESS: 3106 US Hwy 1/ Multiple Addresses
 Vero Beach FL 32960
 LAT/LONG: 27.650708 / 80.400446

CLIENT: Wantman Group Inc
 CONTACT: Derek Lee
 INQUIRY #: 7359603.2s
 DATE: June 08, 2023 3:11 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
1	SSW	1/8 - 1/4 Mile	Higher	FL WELLS	FLDGW7000003481
		Click here for full text details			
A2	WNW	1/8 - 1/4 Mile	Higher	FL WELLS	FLSA12000022563
		Click here for full text details			
A3	WNW	1/8 - 1/4 Mile	Higher	FL WELLS	FLPUB1000001235
		Click here for full text details			
A4	NW	1/8 - 1/4 Mile	Higher	FL WELLS	FLSJ12000024705
		Click here for full text details			
A5	NW	1/8 - 1/4 Mile	Higher	FL WELLS	FLSJ12000024704
		Click here for full text details			
A6	NW	1/8 - 1/4 Mile	Higher	FL WELLS	FLSJ12000023695
		Click here for full text details			
A7	NW	1/8 - 1/4 Mile	Higher	FL WELLS	FLSJ12000044850
		Click here for full text details			
A8	NW	1/8 - 1/4 Mile	Higher	FL WELLS	FLSJ12000057750
		Click here for full text details			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
A9 NW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000035861
A10 NW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000024706
A11 NW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000024737
12 NNW 1/8 - 1/4 Mile Higher	Click here for full text details	FRDS PWS	FL4310206
A13 NW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000022915
A14 NW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000004767
A15 NW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000004739
A16 NW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000054685
A17 NW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000050501

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
A18 NW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000047435
A19 NW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000044008
A20 NW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000046709
A21 WNW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLSA12000022564
A22 WNW 1/8 - 1/4 Mile Higher	Click here for full text details	FL WELLS	FLPUB1000001256
23 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000031156
B24 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000001692
B25 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000014338
B26 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000000562

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
B27 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ1200001691
B28 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000036573
B29 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000041142
B30 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000015023
B31 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000015024
32 SW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSA12000026841
B33 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSA12000022569
B34 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLPUB1000001236
B35 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSA12000022568

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
B36 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSA12000022567
B37 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000064443
B38 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000068398
B39 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000048782
B40 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000016993
B41 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000002662
B42 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000018030
B43 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000039739
B44 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000031363

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
B45 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLPUB1000001237
C46 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000021750
C47 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000021164
C48 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000004551
C49 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000003651
C50 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000002443
C51 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000035640
C52 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000044050
C53 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000039721

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
D54 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSA12000022565
D55 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLPUB1000001244
D56 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000034288
D57 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000015363
D58 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000040526
D59 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000039584
D60 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000015035
D61 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000011843
D62 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000002319

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
D63 NW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000015034
E64 SW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000030829
E65 SW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000031194
E66 SW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000008466
E67 SW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000008157
E68 SW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000030828
E69 SW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000030150
F70 NE 1/4 - 1/2 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000013944
F71 NE 1/4 - 1/2 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000064548

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
F72 NE 1/4 - 1/2 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000013945
F73 NE 1/4 - 1/2 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000031136
G74 NNE 1/4 - 1/2 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000033011
G75 NNE 1/4 - 1/2 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000010222
G76 NNE 1/4 - 1/2 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000006281
D77 NNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSA12000022566
D78 NNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLPUB1000001238
H79 NNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000039041
H80 NNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000037650

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
H81 NNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000056527
H82 NNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000043289
H83 NNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000021376
H84 NNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000004359
H85 NNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000034160
H86 NNW 1/4 - 1/2 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000021377
I87 North 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000025794
I88 North 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000025793
I89 North 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000032564

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
J90 North 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000049099
J91 NNE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000017677
J92 NNE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000015206
J93 NNE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000048205
J94 NNE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000017718
J95 NNE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000018733
J96 NNE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000040932
J97 NNE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000003571
J98 NNE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000015431

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K99 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000019795
K100 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000030747
K101 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000042697
K102 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000016071
K103 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000002702
K104 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000010054
K105 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000016070
K106 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000067240
K107 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLPUB1000001257

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K108 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSA12000022570
K109 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000020174
K110 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000020175
K111 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000029540
K112 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000004488
K113 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000048918
K114 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000043287
K115 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000039033
K116 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000067475

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K117 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLPUB1000001243
K118 WNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSA12000022571
L119 ESE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000004794
L120 ESE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000023200
L121 ESE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000022792
L122 ESE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000068243
L123 ESE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000048790
L124 ESE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000022728
L125 ESE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000011391

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
L126 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000070425
M127 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000007407
M128 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000041200
M129 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000035651
M130 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000010833
M131 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000019537
M132 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000019538
M133 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000035337
M134 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000056188

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
N135 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000046215
N136 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000055014
N137 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000029528
N138 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000018123
N139 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000018124
N140 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000058048
N141 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000036129
N142 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000058044
O143 ESE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000038926

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
O144	ESE	1/2 - 1 Mile	Lower	FL WELLS	FLSJ12000013789
		Click here for full text details			
O145	ESE	1/2 - 1 Mile	Lower	FL WELLS	FLSJ12000068198
		Click here for full text details			
O146	ESE	1/2 - 1 Mile	Lower	FL WELLS	FLSJ12000058047
		Click here for full text details			
O147	ESE	1/2 - 1 Mile	Lower	FL WELLS	FLSJ12000001440
		Click here for full text details			
O148	ESE	1/2 - 1 Mile	Lower	FL WELLS	FLSJ12000000782
		Click here for full text details			
O149	ESE	1/2 - 1 Mile	Lower	FL WELLS	FLSJ12000013701
		Click here for full text details			
O150	ESE	1/2 - 1 Mile	Lower	FL WELLS	FLSJ12000008301
		Click here for full text details			
P151	NNW	1/2 - 1 Mile	Higher	FL WELLS	FLSA12000023768
		Click here for full text details			
P152	NNW	1/2 - 1 Mile	Higher	FL WELLS	FLPUB1000001239
		Click here for full text details			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
P153 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSA12000023767
P154 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000048650
P155 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000024723
P156 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000024724
P157 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000025077
P158 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000006018
P159 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000029785
P160 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000028090
P161 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000005987

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
P162 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000018857
P163 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000019447
P164 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000067580
P165 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000054419
P166 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000035844
P167 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000063202
P168 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000019690
P169 NNW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000028549
Q170 SW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000001815

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
Q171 SW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000014840
Q172 SW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000014839
Q173 SW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000014838
Q174 SW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000046046
Q175 SW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000064664
Q176 SW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000015108
Q177 SW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000039819
R178 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000014237
R179 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000013711

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Click here for full text details	Database	EDR ID Number
R180 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000014236
R181 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000049078
R182 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000038894
R183 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000046420
R184 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000064221
Q185 SW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLPUB1000001247
Q186 SW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSA12000023770
R187 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000058050
188 SSE 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLDGW7000007363

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
S189 WSW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000021044
S190 WSW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000034431
S191 WSW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000034130
S192 WSW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000022385
S193 WSW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000004404
S194 WSW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000003338
S195 WSW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000020903
S196 WSW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000010742
T197 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000041249

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
T198 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000016900
T199 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000015635
T200 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000041525
T201 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000053671
T202 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000056773
T203 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000055411
S204 WSW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSA12000023762
S205 WSW 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLPUB1000001245
T206 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000058049

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
U207 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000057948
U208 East 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000039119
T209 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000019072
T210 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000010762
T211 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000028721
T212 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000042234
T213 ENE 1/2 - 1 Mile Lower	Click here for full text details	FL WELLS	FLSJ12000058094
V214 West 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000054116
V215 West 1/2 - 1 Mile Higher	Click here for full text details	FL WELLS	FLSJ12000062509

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

V216
West
1/2 - 1 Mile
Higher

[Click here for full text details](#)

FL WELLS

FLSJ12000045127

V217
West
1/2 - 1 Mile
Higher

[Click here for full text details](#)

FL WELLS

FLSJ12000011486

V218
West
1/2 - 1 Mile
Higher

[Click here for full text details](#)

FL WELLS

FLSJ12000026583

V219
WSW
1/2 - 1 Mile
Higher

[Click here for full text details](#)

FL WELLS

FLSJ12000013423

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: FL Radon

Radon Test Results

Zip	Total Buildings	% of sites > 4 pCi/L	Data Source
32960	12	0.0	Certified Residential Database
32960	62	0.0	Mandatory Non-Residential Database
32960	1	0.0	Mandatory Residential Database

Federal EPA Radon Zone for INDIAN RIVER County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level ≥ 2 pCi/L and ≤ 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Environmental Protection

Telephone: 850-245-8238

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

OTHER STATE DATABASE INFORMATION

Public Water System (PWS) Wells (Non-Federal)

Department of Environmental Protection

Telephone: 850-245-8629

Statewide coverage of PWS Wells, excluding Federally owned facilities.

Well Construction Permitting Database

Source: Northwest Florida Water Management District

Telephone: 850-539-5999

Consumptive Use Permit Well Database

Source: St. Johns River Water Management District

Telephone: 386-329-4841

DEP GWIS - Generalized Water Information System Well Data

Source: Department of Environmental Protection

Telephone: 850-245-8507

Data collected for the Watershed Monitoring Section of the Department of Environmental Protection.

DOH and DEP Historic Study of Private Wells

Source: Department of Environmental Protection

Telephone: 850-559-0901

Historic database for private supply wells.

Permitted Well Location Database

Source: South Florida Water Management District

Telephone: 561-682-6877

Super Act Program Well Data

Source: Department of Health

Telephone: 850-245-4250

This table consists of data relating to all privately and publicly owned potable wells investigated as part of the SUPER Act program. The Florida Department of Health's SUPER Act Program (per Chapter 376.3071(4)(g), Florida Statutes), was given authority to provide field and laboratory services, toxicological risk assessments, investigations of drinking water contamination complaints and education of the public.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Water Well Location Information

Source: Suwannee River Water Management District
Telephone: 386-796-7211

Water Well Permit Database

Source: Southwest Water Management District
Telephone: 352-796-7211

Oil and Gas Permit Database

Source: Department of Environmental Protection
Telephone: 850-245-3194
Locations of all permitted wells in the state of Florida.

Florida Sinkholes

Source: Department of Environmental Protection, Geological Survey
Telephone:
The sinkhole data was gathered by the Florida Sinkhole Research Institute, University of Florida.

RADON

State Database: FL Radon

Source: Department of Health
Telephone: 850-245-4288
Zip Code Based Radon Data

Area Radon Information

Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.