5	**AGENDA ITEM** **ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS**
	Deadline for Submission - Wednesday 9 a.m. – Thirteen Days Prior to BCC Meeting

11/3/2026

BCC MEETING DATE

TO: **Joy Andrews, County Administrator** **DATE:** **October 8, 2026**

FROM: **Evan Walsnovich, Planner** **PHONE:** **904 209-0596**

SUBJECT OR TITLE: **CPA(SS) 2026-08 Fruit Cove Baptist Church of Jacksonville**

AGENDA TYPE: **Business Item, Ordinance, Public Hearing, Report**

BACKGROUND INFORMATION:

Request for a Small-Scale Comprehensive Plan Amendment to change the Future Land Use Map designation of approximately 9.5 acres of land from Agricultural-Intensive (A-I) to Community Commercial (CC) with a site-specific text amendment permitting a minimum 50-foot Development Edge along the western property boundary abutting Parcel No. 027981-0040, a minimum 20-foot Development Edge along the eastern property boundary adjacent to non-residential uses, and no Development Edge shall be required where the property is contiguous to lands under common ownership. This request was heard by the Planning and Zoning Agency (PZA) at their regularly scheduled public hearing on Thursday, October 15, 2026. The applicant requested an expedited public hearing before the Board of County Commissioners, and has waived their right to an updated Staff Report. County staff will provide the Board of County Commissioners with a separate document summarizing the events of the PZA hearing as well as their recommendation.

1. IS FUNDING REQUIRED? No **2. IF YES, INDICATE IF BUDGETED.** No

IF FUNDING IS REQUIRED, MANDATORY OMB REVIEW IS REQUIRED:

INDICATE FUNDING SOURCE:

SUGGESTED MOTION/RECOMMENDATION/ACTION:

APPROVE: Motion to enact Ordinance 2026-_____, adopting CPA (SS) 2026-08 Fruit Cove Baptist Church of Jacksonville based upon four (4) findings of fact as provided in the Staff Report.
DENY: Motion to deny the adoption of CPA (SS) 2026-08 Fruit Cove Baptist Church of Jacksonville based upon four (4) findings of fact as provided in the Staff Report.

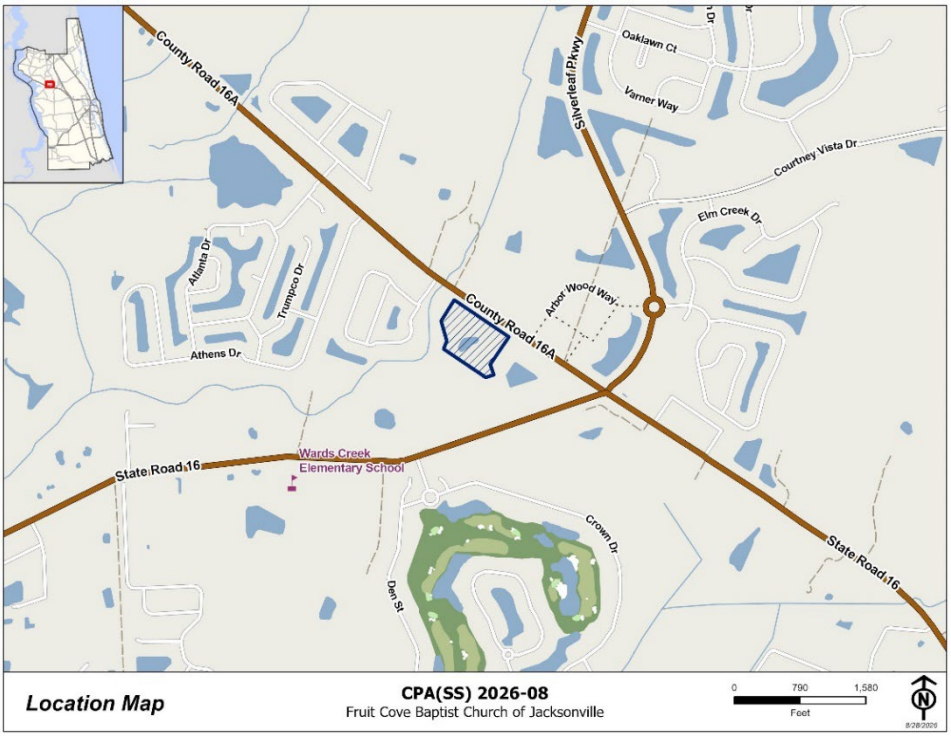
For Administration Use Only:
Legal: Kealey West 10/18/2026 **OMB: ARM 10/19/2026** **Admin: JDD 10/22/2026**

Growth Management Department
Planning Division Report
Application for Comprehensive Plan Amendment
CPA(SS) 2026-08 Fruit Cove
Baptist Church of Jacksonville

To:	Board of County Commissioners
Through:	Planning and Zoning Agency
From:	Evan Walsnovich, Planner
Date:	October 16, 2026
Subject:	**CPA (SS) 2026-08 Fruit Cove Baptist Church of Jacksonville,** a request for a Small-Scale Comprehensive Plan Amendment to change the Future Land Use Map designation of approximately 9.5 acres of land from Agricultural-Intensive (A-I) to Community Commercial (CC) with a site-specific text amendment permitting a minimum 50-foot Development Edge along the western property boundary abutting Parcel No. 027981-0040, a minimum 20-foot Development Edge along the eastern property boundary adjacent to non-residential uses, and no Development Edge shall be required where the property is contiguous to lands under common ownership.
Applicant:	Casey Dendor, AICP | England-Thims & Miller, Inc.
Property Owner:	Fruit Cove Baptist Church of Jacksonville Florida, Inc.
Hearing dates:	Planning and Zoning Agency – October 15, 2026 Board of County Commissioners – November 3, 2026
Commissioner District:	District 2

MAP SERIES

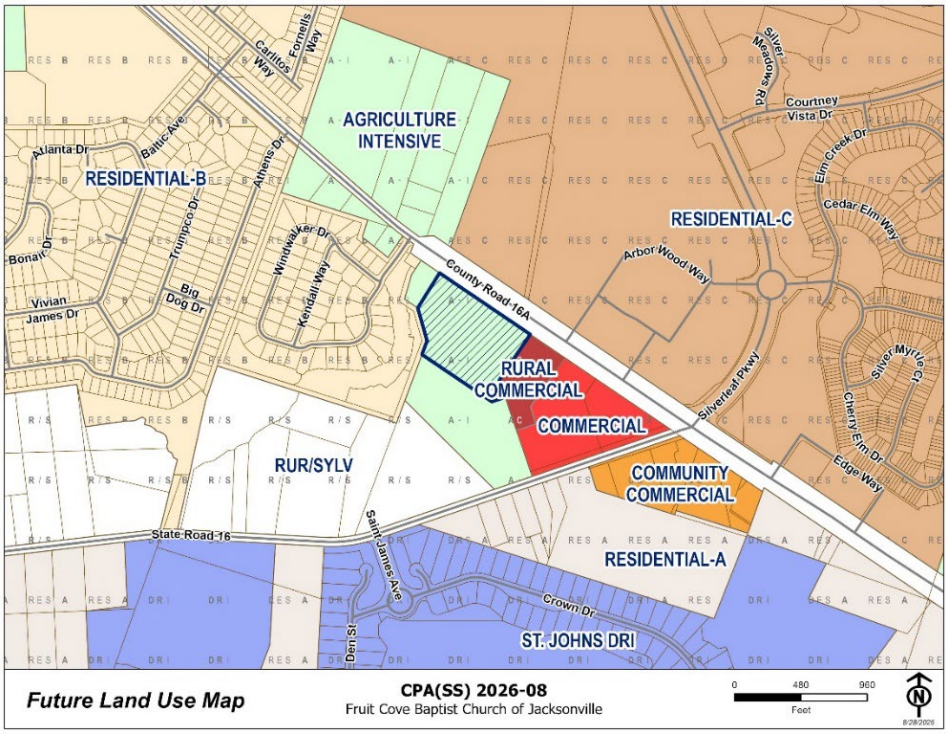
Location: The subject property is located on the south side of County Road 16A and is approximately 0.25 miles northwest of the County Road 16A and State Road 16 intersection.



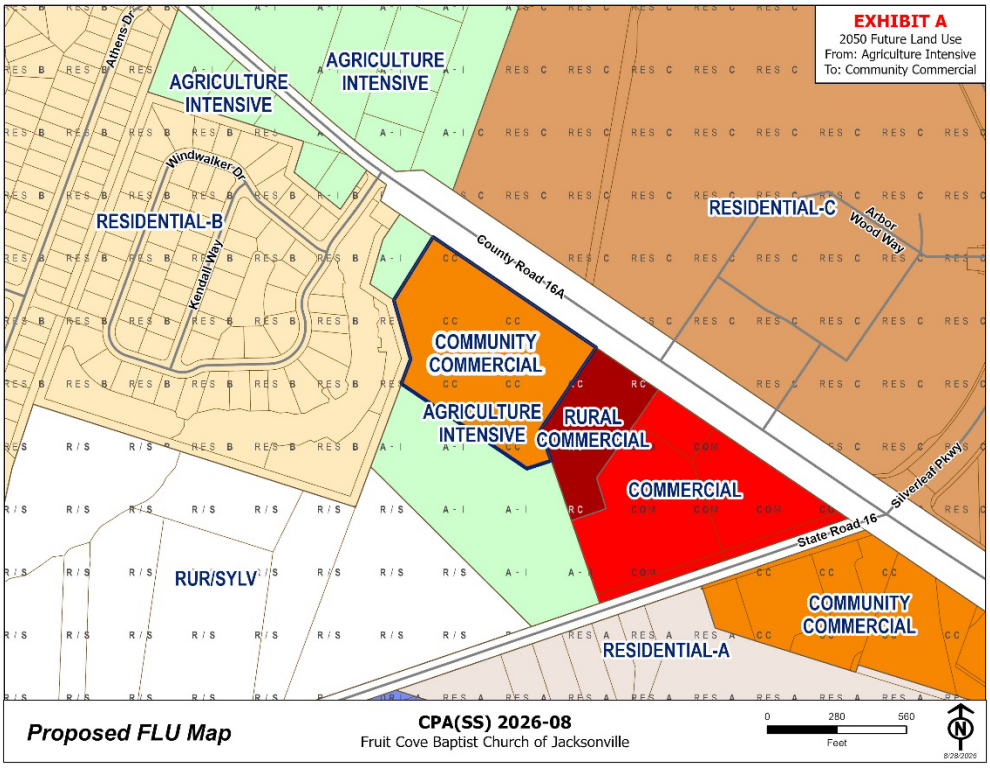
Aerial Imagery: The subject property contains approximately 9.5 acres of land and is currently utilized as a cattle pasture. West of the subject property is the Wards Creek subdivision while a U-Haul storage facility is located to the east. To the north Across County Road 16A, a large commercial shopping development within the Silverleaf PUD is being developed.



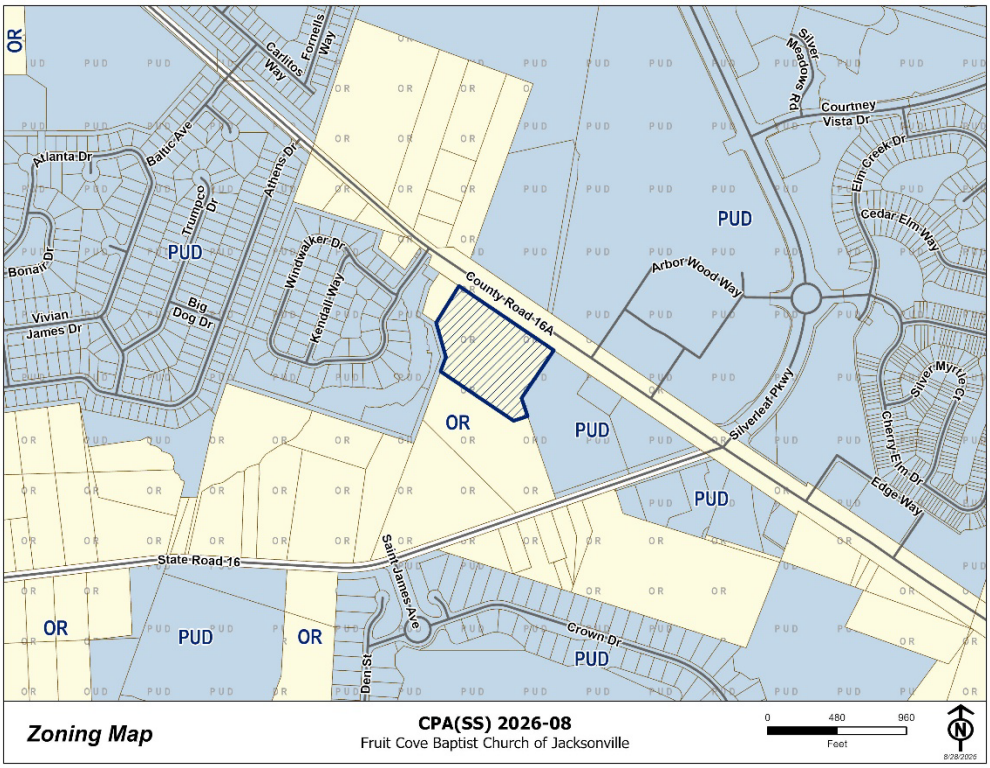
Existing Future Land Use: The subject property and several of its surrounding properties have a Future Land Use Map (FLUM) designation of Agricultural-Intensive (A-I). Within the vicinity, there are properties that are designated as Rural/Silviculture, Residential-A, Residential-B, Residential-C, Commercial, Rural Commercial, and Community Commercial.



Proposed Future Land Use: The applicant is requesting to change the subject property's FLUM designation from Agricultural-Intensive (A-I) to Community Commercial (CC).



Zoning District: The subject property is currently zoned Open Rural (OR). There are various Planned Unit Developments (PUDs) within the vicinity of the subject property including the Wards Creek PUD (Ord. 2015-56, as amended) to the west, the Bridle Ridge PUD (Ord. 2010-42, as amended) to the east, and the Silverleaf PUD (Ord. 2006-117, as amended) to the northeast. A companion rezoning application (REZ 2026-16) is proposed with this request to change the current zoning from Open Rural (OR) to Commercial General (CG).

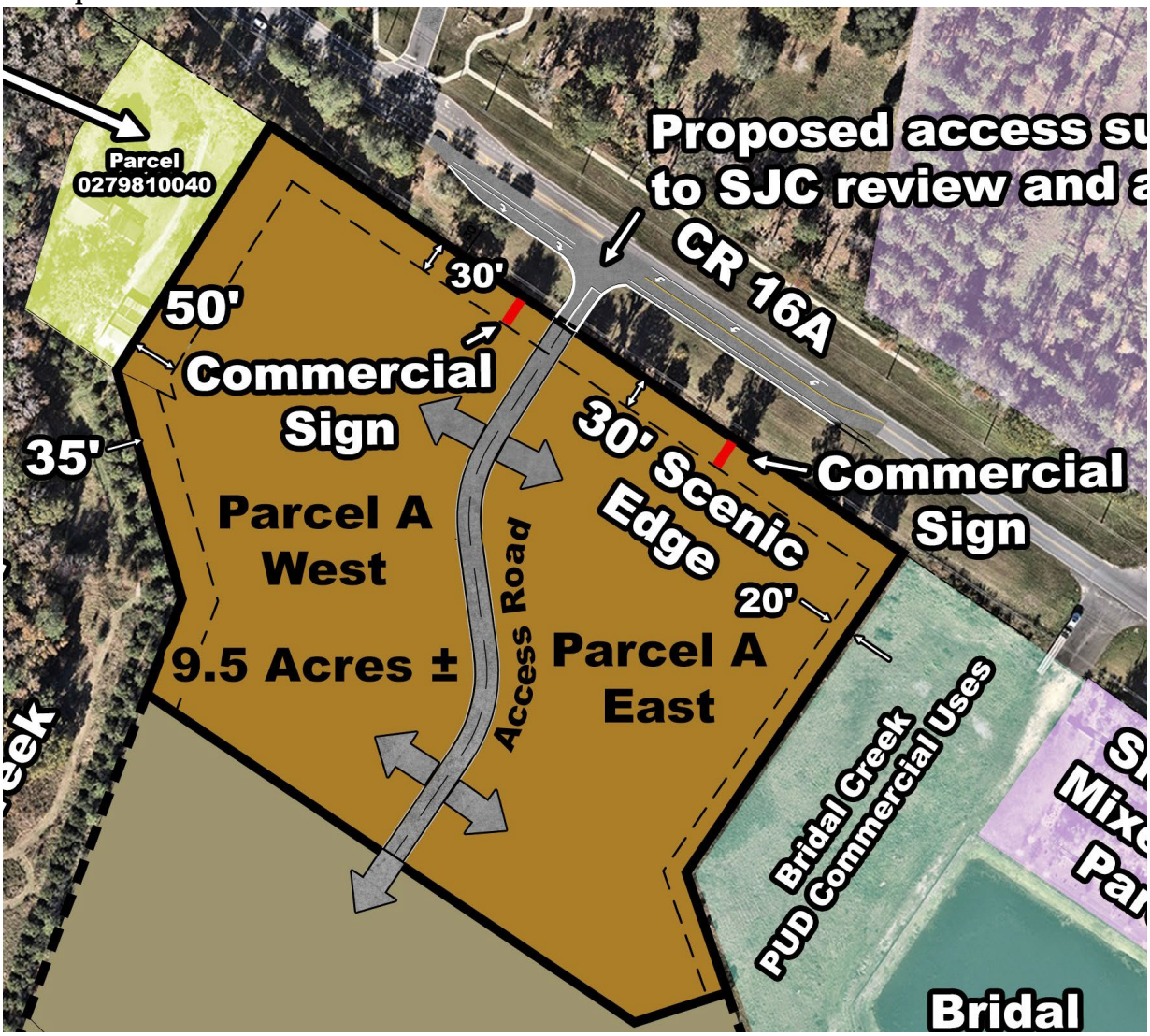


APPLICATION SUMMARY

This is a request for a Small-Scale Comprehensive Plan Amendment that seeks to amend the Future Land Use Map designation of approximately 9.5 acres of land from Agricultural-Intensive (A-I) to Community Commercial (CC). This application comes with a Text Amendment that states with a site-specific text amendment permitting a minimum 50-foot Development Edge along the western property boundary abutting Parcel No. 027981-0040, a minimum 20-foot Development Edge along the eastern property boundary adjacent to non-residential uses, and no Development Edge shall be required where the property is contiguous to lands under common ownership. The proposed plan of development is to create a commercial outparcel along County Road 16A. This proposed use requires a companion rezoning, the applicant has chosen to rezone this same portion of the subject property to Commercial General (CG). The applicant provides the following justification for the request:

"The Subject Property is located directly adjacent to an established commercial node at the intersection of CR 16A and SR 16. The proposed amendment is contiguous to this commercially developed area and represents a logical extension of the existing commercial node rather than isolated or leapfrog development. The requested Community Commercial future land use designation is already established within the commercial node, with Community Commercial designated lands located on the southwest quadrant of the intersection and commercial designated lands associated with the Silverleaf DRI located to the north and east. Accordingly, the proposed amendment continues an established pattern of nodal commercial development at a prominent intersection of major collector and arterial roadways, which is expressly contemplated by the Northwest Sector Overlay Policy A.2.1.1."

Conceptual Site Plan:



Please note that site plans are not required as part of a Small-Scale Comprehensive Plan Amendment application. If this application is approved, use of the site and placement of the buildings may differ from the above drawings; and proposed construction plans will need to meet the requirements found in the Land Development Code.

APPLICABLE REGULATIONS

The 2050 Comprehensive Plan has several policies directed toward Comprehensive Plan Amendments, including Policies A.1.3.4, A.1.4.11, and A.1.16.2. These policies provide:

- Policy A.1.3.4: All Comprehensive Plan amendments shall provide justification for the need for the proposed amendment and demonstrate how the proposed amendment discourages urban sprawl and not adversely impact natural resources. In evaluating proposed amendments, the County shall consider each of the following:

    (a) the extent to which the proposed amendment is contiguous to an existing Development Area which has developed in a manner providing a compact, contiguous development pattern with the proposed amendment;

(b) the extent to which population growth and development trends warrant an amendment, including an analysis of vested and approved but unbuilt development;

(c) the extent to which adequate infrastructure to accommodate the proposed amendment exists, or is programmed and funded through an adopted Capital Improvement Schedule, such as the County Capital Improvement Program, the Florida Department of Transportation Five-Year Work Program, the North Florida Transportation Planning Organization (TPO) Transportation Improvement Program, or will be privately financed through a binding executed agreement, or will otherwise be provided at the time of development impacts as required by law;

(d) the extent to which the amendment will result in an efficient use of public funds needed for the provision of new infrastructure and services related to it;

(e) the extent to which the amendment will not result in a sprawl development pattern as determined by Chapter 163, Florida Statutes, and will not discourage infilling of more appropriate areas available for development within existing Development Area Boundaries; and

(f) the extent to which the amendment will result in a sustainable development pattern through a balance of land uses that is internally interrelated; demonstrates an efficient use of land; ensures compatible development adjacent to agriculture lands; protects environmental qualities and characteristics; provides interconnectivity of roadways; supports the use of non-automobile modes of transportation and appropriately addresses the infrastructure needs of the community.

(g) the extent to which the amendment results in positive market, economic and fiscal benefits of the area as demonstrated through a market demand analysis, economic impact analysis and fiscal impact analysis.

- Policy A.1.4.11: When a Comprehensive Plan is considered the County shall ensure compatibility of adjacent and surrounding land uses. Land uses, include but are not limited to permitted uses, structures, and activities allowed within the land use category or implementing zoning district. Compatibility means a condition in which land uses can co-exist in relative proximity to each other in a stable fashion over time such that no use is unduly negatively impacted directly or indirectly by another use. *Compatibility does not mean "the same as".* Compatibility refers to the sensitivity of development proposals in maintaining the character of existing development and environments. The compatibility of land uses is dependent on numerous characteristics which may impact adjacent or surrounding uses. These include, but are not limited to: type of use, density, intensity, height, general appearance and aesthetics, odors, noise, smoke, dust, vibration, traffic generation, sanitation, litter, drainage, fire risk, air quality, vegetation, topography, soil conditions, wildlife, aquifer recharge, surface waters, drainage, protection of Listed Species or Essential Habitat, maintenance of public infrastructure, availability of potable water, sanitary sewer and other necessary public services and nuisances.

- Policy A.1.16.2: Applications requesting amendments to the Comprehensive Plan or Future Land Use Map shall be evaluated based upon criteria which shall include, but not be limited to, the following:
  (a) consistency with the Goals, Objectives, and Policies of the St. Johns County Comprehensive Plan;

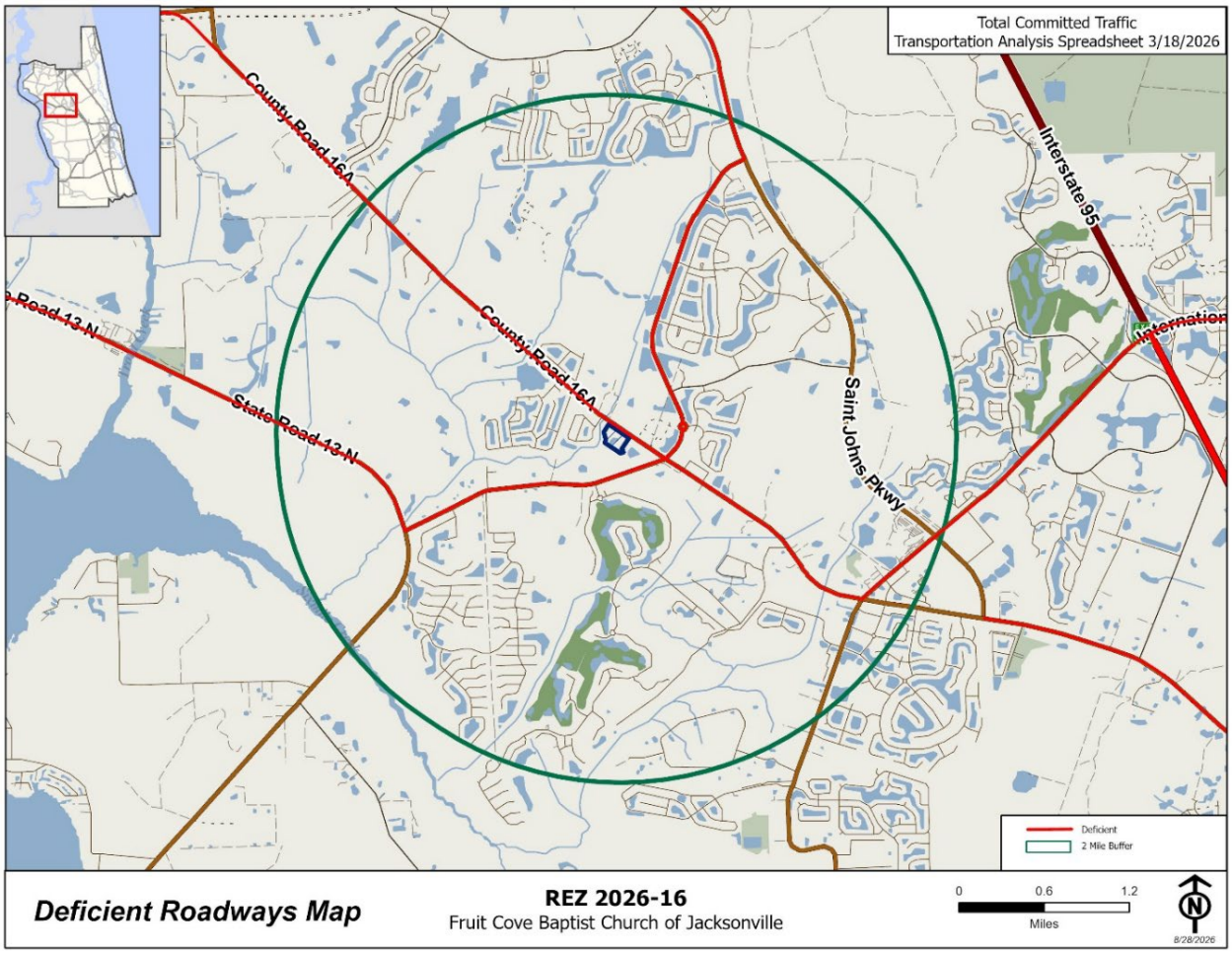
(b) consistency with the Northeast Florida Strategic Regional Policy Plan;
(c) Impacts on public facilities and services;
(d) environmental impacts;
(e) compatibility with surrounding areas;
(f) the need to modify land uses and development patterns within antiquated subdivisions; and,
(g) provide a cost-benefit analysis addressing the new development's economic impact to the County.

IMPACT REVIEWS

Transportation Impact Analysis: The applicant is requesting to change the future land use for approximately 9.5 acres of land from Agricultural- Intensive (A-I) to Community Commercial (CC); and rezone the subject property from Open Rural (OR) to Commercial General (CG). A detailed site access analysis and operational analysis is required prior to Construction Plan approval for all non-residential developments generating 300 or more P.M. peak hour trips to determine if improvements are needed within the immediate impact area to provide for safe and efficient access to the proposed development. Any access or improvements on SR 16 will be subject to FDOT permitting. The proposed development is exempt from concurrency and is not required to pay proportionate share; however, the proposed development is required to pay road impact fees at the time of permitting for non-residential development.

The directly accessed roadway segment, Link 24 (CR 16A from River Reach Pkwy to SR 16.), is currently operating at 80.6% of capacity based on existing 2025 P.M. peak hour traffic, and 140.2 % of capacity based on total committed peak hour traffic.

Deficient Roadways Map: The following map displays deficient roadway segments within a 2-mile radius of the project boundaries. The proposed development is exempt from concurrency and is not required to pay proportionate share; however, the proposed development is required to pay road impact fees at the time of permitting for non-residential development.



Potable Water and Sanitary Sewer: Water and sewer facilities are located within the St. Johns County Utility Department (SJCUD) service area. According to the provided Availability Letter, there is available capacity. This letter is located in Attachment 2 of this Staff Report.

Drainage: The proposed project will be required to comply with all applicable Federal, State, regional, and local land development regulations and permitting requirements.

Solid Waste: There is sufficient capacity available.

Open Space: The proposed development will meet all required County standards for Open Space areas.

Fire Services: ISO's Public Protection Classification (PPC) information plays an important part in the decisions many insurers make affecting the underwriting and pricing of property insurance. ISO analyzes the relevant data and assigns a PPC- grading from 1 (lowest risk) to 10 (highest risk). A higher ISO rating could mean higher homeowner insurance. This information is provided for the consideration of future homeowners. It is important to note; St. Johns County Fire Rescue does and will continue to respond to all properties within the County regardless of the ISO rating.

ISO applies the following classification to properties in St Johns County:

> Class 3: Property within 5 road miles of an existing fire rescue station and within 1000 feet of a creditable water supply such as a fire hydrant, suction point, or dry hydrant.

Class 3X: Property within 5 road miles of an existing fire rescue station but beyond 1000 feet of a creditable water supply.

Class 10- Property beyond 5 road miles of a recognized fire rescue station.

Based on this project submitted, parcel #027981-0000, as well as the current primary fire station location at 235 Murabella Pkwy. and creditable water supply, ISO would assign a rating of Class 3.

DEPARTMENTAL REVIEW

The Planning and Zoning Division has routed this request to all appropriate reviewing departments. There are no remaining open comments.

Office of the County Attorney Review: All amendments to the St. Johns County comprehensive plan are legislative in nature. This is a policy-making decision to determine the future growth pattern of St. Johns County (i.e. is it appropriate to expand the development area boundary or to change the maximum theoretical growth in this area). A determination of consistency with the Comprehensive Plan and state law and approval or denial of the proposed amendment must not be arbitrary and capricious. Decisions on approval or denial of legislative land-use policy are determined on whether the decision is supported by fairly debatable evidence. Fairly debatable means that the government action must be upheld if reasonable minds could differ on the result concerning the evidence presented.

Technical Division Review: All future site engineering, drainage and required infrastructure improvements will be reviewed pursuant to the established Development Review Process to ensure that the development has met all applicable local regulations and permitting requirements. No permits will be issued prior to compliance with all applicable regulations.

Planning & Zoning Division Review: Review by Planning staff finds that the subject property is currently designated Agricultural-Intensive (A-I) on the Future Land Use Map and is zoned Open Rural (OR). This project includes a companion rezoning application to change the zoning from OR to Commercial General (CG). Pursuant to Policy A.1.13.1(a) of the 2050 Comprehensive Plan, properties designated A-I on the FLUM are lands primarily intended for agriculture, cultural/institutional, and other uses typical of rural areas. Per the Comprehensive Plan and Article II of the LDC, the Use Categories within the A-I FLUM designation do not allow commercial retail uses. The proposed Community Commercial FLUM designation permits commercial uses intended to serve a sub-regional area and is consistent with the established commercial node located at County Road 16A and State Road 16. This existing commercial node is comprised of lands that are designated as Community Commercial and Rural Commercial on the Future Land Use Map. The Comprehensive Plan states in Policy A.1.13.1.(e), that typical uses in Community Commercial shall mean commercial and office uses intended to serve the surrounding community with a larger market area than Neighborhood Commercial, but of a sub-regional nature.

Planning staff notes that pursuant to Comprehensive Plan Policy A.1.13.3, Note 2, commercial uses are limited to 12,000 SF of floor space per acre within the Community Commercial FLUM designation. Given the property's acreage of 9.5 acres, a maximum floor area of 114,000 SF would be allowed across the whole of the property

Table 1 (below) shows a comparison of permitted Use Categories within the current and proposed Future Land Use Map designations.

Table 1: Allowed Use Categories per Comprehensive Plan

Permitted Use Categories	Agricultural-Intesive	Community Commercial
Residential	X*	X**^
Agricultural	X	
Cultural/Institutional	X	X
Neighborhood Business /Commercial		X
General Business / Commercial		X
Mining and Extraction	X	
Office & Professional		X
Outdoor Passive	X	
Neighborhood Public and Emergency Service	X	X
Solid Wast and Correctional Facilities	X	

**Residential uses, as permitted and regulated through the County's Land Development Code (LDC), including Planned Rural Developments (PRD) as specified in the LDC and as specified in policy A.1.6.2*
*** Residential as may be allowed as an Accessory Use within the County land development regulations*
*^*Multifamily Residential up to 13 DU per acre*

The subject property is located within the Northwest Sector Planning Overlay, which, pursuant to Comprehensive Plan Objective A.2.1, establishes specific design criteria and standards for development, including Scenic and Development Edges. Based on the conceptual site plan provided, the applicant intends to provide the required 30-foot Scenic Edge along County Road 16A. The applicant is also proposing a reduced Development Edge of 20 feet between the commercial outparcel and the existing commercial PUD to the east balanced with an enhanced 50-foot Development Edge adjacent to the residential property to the west along County Road 16A. This reduction is being requested through a site-specific Text Amendment to the Comprehensive Plan Amendment.

The nearby Bridle Ridge PUD (Ord. 2010-42, as amended) has been developed with a 35-foot Development Edge to both the subject property and Parcel 39B of the Silverleaf PUD (Ord. 2006-117, as amended). In 2024, Parcel 39B was approved to reduce the required 30-foot Scenic Edge to 20 feet along County Road 16A and removed the 35-foot Development Edge requirement.

Research conducted by staff found that there have been two previously proposed residential projects on the subject property, both of which received significant public opposition and were ultimately denied by the Board of County Commissioners. The first project, Wade's Creek [PUD 2021-24], proposed a maximum of 115 single-family residential units with a companion FLUM change to the Residential-C designation [CPA(SS) 2021-26]. The second project, Preserve at Wards Creek [PUD 2023-18], proposed a maximum 288 multifamily apartments meeting requirements for Affordable Housing with a companion FLUM change to Residential-D [CPA(SS) 2023-09]. In 2022 and 2024, concerns were raised by the public and the Board of County Commissioners regarding the potential traffic impacts of these two projects on County Road 16A and State Road 16. Despite the inclusion of proposed concurrency payments for the residential developments, both applications were ultimately denied during their respective public hearings before the Board of County Commissioners on July 17, 2022, and May 7, 2024.

NORTHWEST SECTOR COMMUNITY MEETING

The applicant conducted the required Northwest Sector Community Meeting at Mill Creek Academy on Wednesday, September 23, 2026. County staff were in attendance, and the meeting was properly noticed. The project was presented to approximately 7 attendees, not including county staff. Ellen Avery-Smith of Roger Towers and Casey Dendor and Jessica Pierdhita of ETM led the meeting, presenting maps of proposed Zoning and Land Use changes and a preliminary site plan with access via County Road 16A. The Fruit Cove Baptist Church purchased the property to develop a new church and recreational facilities in this part of the county, aiming to replicate their current location near State Road 13 South, adjacent to commercial areas. Residents from Arbor Mill at Mill Creek voiced concerns about increased traffic, noise, and light pollution due to commercial activity along County Road 16A, referencing impacts from the nearby U-Haul facility. They inquired about the church's role in managing the commercial outparcel and its future uses. The Community Meeting packet, provided by the applicant, is included in **Attachment 3 - Northwest Sector Community Meeting Documents**.

PLANNING AND ZONING AGENCY MEETING

This request was heard by the Planning and Zoning Agency (PZA) at their regularly scheduled public hearing on Thursday, October 15, 2026. A motion recommending approval was offered by Member Matovina and seconded by Member Perkins. That motion passed unanimously, 7-0. There was discussion between the Agency and the applicant team regarding the schedule of development for the subject property which included the majority of the parcel that is not being rezoned. The applicant believes that the property owner's plan is to develop the church first followed by expanded their services at that location.

Concerned members of the nearby residential community have concerns about the impact that this will have on their homes and the local wildlife. The applicant spoke to how the wildlife that they are concerned about would be located on the Arbor Mill conservation area not the subject property, which is currently utilized as a cattle pasture. The applicant's environmental report has been included in **Attachment 2 - Supporting Documents**.

CORRESPONDENCE/PHONE CALLS

County staff has received one letter of opposition and has included this in **Attachment 4 – Correspondence**. Additionally, staff has been included on emails between concerned neighbors and the applicant team.

FINDINGS OF FACT/ACTION

Staff provides four (4) Findings of Fact to recommend adoption of the proposed amendment, and four (4) Findings of Fact to recommend denial. These findings are subject to change during the public hearing process.

ATTACHMENTS

1. Recorded Documents
2. Application and Supporting Documents
3. Northwest Sector Community Meeting Documents
4. Correspondence

PROPOSED FINDINGS OF FACT CPA(SS) 2026-08 Fruit Cove Baptist Church of Jacksonville	
APPROVE	**DENY**
1. The proposed Comprehensive Plan Amendment was fully considered after public hearing pursuant to legal notice duly published as required by law.	1. The proposed Comprehensive Plan Amendment was fully considered after public hearing pursuant to legal notice duly published as required by law.
2. The amendment is consistent with the Northeast Florida Strategic Regional Policy Plan.	2. The amendment is not consistent with the Northeast Florida Strategic Regional Policy Plan.
3. The proposed Comprehensive Plan Amendment is consistent with applicable sections of the St. Johns County Comprehensive Plan and the Land Development Code.	3. The proposed Comprehensive Plan Amendment is not consistent with applicable sections of the St. Johns County Comprehensive Plan and the Land Development Code.
4. The proposed Comprehensive Plan Amendment is consistent with the Goals, Objectives, and Policies of the St. Johns County Comprehensive Plan, including Policies A.1.3.4, A.1.2.4, A.1.4.11, A.1.16.2, and with other provisions provided during the public hearing.	4. The proposed Comprehensive Plan Amendment is not consistent with the Goals, Objectives, and Policies of the St. Johns County Comprehensive Plan, including Policies A.1.3.4, A.1.2.4, A.1.4.11, A.1.16.2, and with other provisions provided during the public hearing.

ATTACHMENT 1

RECORDED DOCUMENTS SECTION

BEGIN DOCUMENTS
TO BE RECORDED

ORDINANCE NO. 2026 - _____

AN ORDINANCE OF THE COUNTY OF ST. JOHNS, STATE OF FLORIDA, AMENDING THE 2050 COMPREHENSIVE PLAN, ORDINANCE NO. 2026-8 AS AMENDED, TO CHANGE THE FUTURE LAND USE MAP DESIGNATION FROM AGRICULTURE-INTENSIVE (A-I) TO COMMUNITY COMMERCIAL (CC) WITH A TEXT AMENDMENT PERMITTING A MINIMUM 50-FOOT DEVELOPMENT EDGE ALONG THE WESTERN PROPERTY BOUNDARY ABUTTING PARCEL NO. 027981-0040, A MINIMUM 20-FOOT DEVELOPMENT EDGE ALONG THE EASTERN PROPERTY BOUNDARY ADJACENT TO NON-RESIDENTIAL USES AND NO DEVELOPMENT EDGE SHALL BE REQUIRED WHERE THE PROPERTY IS CONTINGUOUS TO LANDS UNDER COMMON OWNERSHIP, FOR APPROXIMATELY 9.9 ACRES OF LAND, LOCATED AT 6351 COUNTY ROAD 16A; PROVIDING FOR FINDINGS OF FACT; FINDINGS OF CONSISTENCY; SEVERABILITY; AND AN EFFECTIVE DATE.

WHEREAS, Chapter 125 and 163, Florida Statutes provide for the Board of County Commissioners to prepare, implement and enforce Comprehensive Plans and Land Development regulations for the control of development within the County;

WHEREAS, Section 163.3184 and 163.3187 Florida Statutes provide the process for the adoption of Comprehensive Plan amendments; and,

NOW THEREFORE BE IT ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA:

SECTION 1. The St. Johns County Comprehensive Plan is amended to change the Future Land Use Map designation from **Rural/Silviculture (R/S) to Residential-A (RES-A) with a text amendment permitting a minimum 50-foot Development Edge along the western property boundary abutting Parcel No. 027981-0040, a minimum 20-foot Development Edge along the eastern property boundary adjacent to non-residential uses, and no Development Edge shall be required where the property is contiguous to lands under common ownership** for approximately 9.9 acres of land as described and shown on the attached **EXHIBITS A, B and C.**

SECTION 2. The 2050 Comprehensive Plan amendment described in Section 1 is based upon the following Findings of Fact:

(a) The amendment was fully considered after public hearing pursuant to legal notice duly published as required by Law.

(b) The amendment is consistent with the Northeast Florida Strategic Regional Policy Plan.

(c) The amendment is consistent with the applicable sections of the St. Johns County Comprehensive Plan and the Land Development Code.

(d) The amendment is consistent with the Goals, Objectives, and Policies of the St. Johns County comprehensive Plan, including Policies A.1.3.4, A.1.2.4, A.1.4.11, A.1.16.2, and with other

provisions provided during the public hearing.

SECTION 3. The remaining portions of the St. Johns County Comprehensive Plan, Ordinance No. 2026-8, as amended and the 2050 Future Land Use Map, as amended, which are not in conflict with the provisions of this ordinance, shall remain in full force and effect.

SECTION 4. Should any section, subsection, sentence, clause, phrase or portion of this ordinance be held invalid or unconstitutional by any court of competent jurisdiction, such portions shall be deemed a separate, distinct and independent provision and shall not affect the validity of the remaining portions.

SECTION 5. It is the intent of the St. Johns County Board of County Commissioners that scriveners and typographic errors which do not change the tone or tenor of this Ordinance may be corrected during codification and may be authorized by the County Administrator or designee, without public hearing, by filing a corrected or recodified copy of the same with the Clerk of the Board.

SECTION 6. Small scale development amendments may not become effective until 31 days after adoption. If challenged within 30 days after adoption, small-scale development amendments may not become effective until the state land planning agency or the Administration Commission, respectively, issues a final order determining that the adopted small-scale development amendment is in compliance. No development orders, development permits, or development dependent on this amendment may be issued or commence before it has become effective.

SECTION 7. This ordinance shall be recorded in a book of land use regulation ordinances kept and maintained by the Clerk of Court in accordance with Section 125.68, Florida Statutes.

PASSED AND ENACTED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, THIS _____ DAY OF _____ 2026.

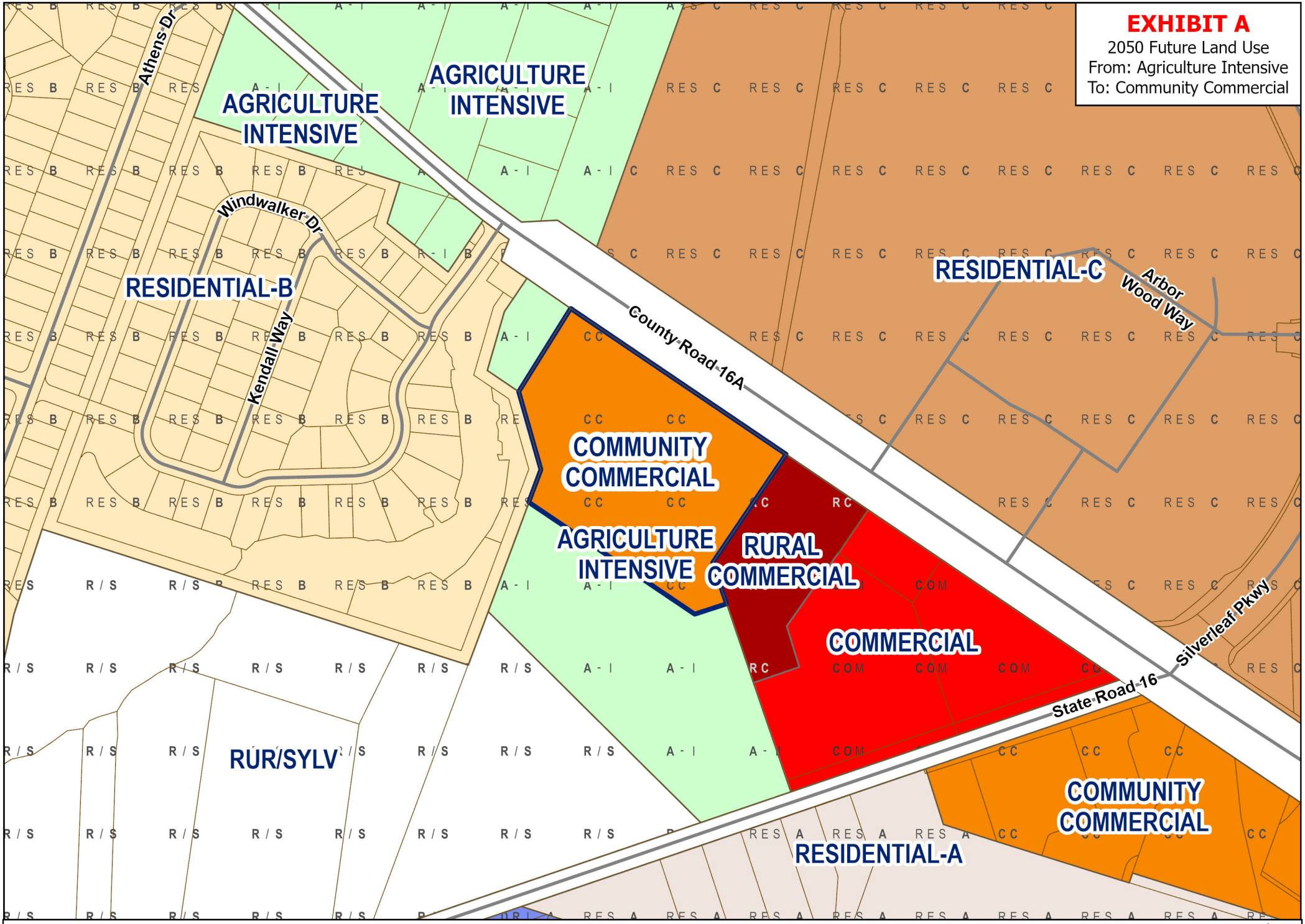
BOARD OF COUNTY COMMISSIONERS OF
ST. JOHNS COUNTY, FLORIDA

BY: _____
Clay Murphy, Chair

ATTEST: Brandon J. Patty, Clerk of the Circuit Court & Comptroller

BY: _____
Deputy Clerk

Effective Date: _____



Proposed FLU Map

CPA(SS) 2026-08
Fruit Cove Baptist Church of Jacksonville

0 280 560
Feet

N

8/28/2026

Exhibit B

ETM SURVEYING & MAPPING
14775 Old St. Augustine Road, Jacksonville, Florida 32258
etminc.com | 904.642.8550

June 8, 2026

Work Order No. 26-001.00
File No. 131H-04.00A

Zoning Parcel

A portion of Subsection 5 of Section 38 of the Antonio Huertas Grant, Township 6 South, Range 28 East, St. Johns County, Florida, being a portion of those lands described and recorded in Official Records Book 6013, page 103, of the Public Records of said county, being more particularly described as follows:

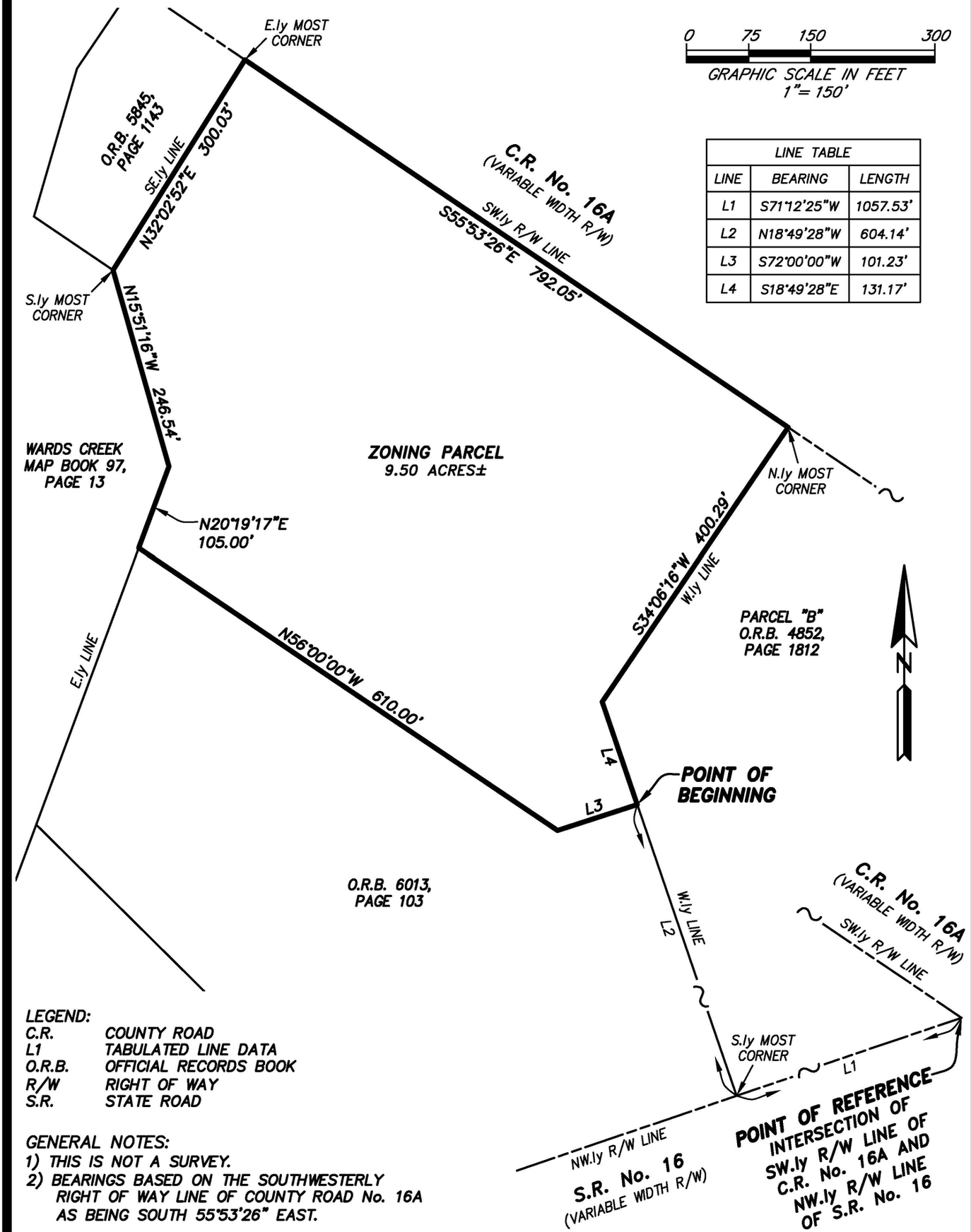
For a Point of Reference, commence at the intersection of the Southwesterly right of way line of County Road No. 16A and the Northwesterly right of way line of State Road No. 16, both variable width rights of way as presently established; thence South 71°12'25" West, along said Northwesterly right of way line, 1057.53 feet to the Southerly most corner of Parcel "B", as described and recorded in Official Records Book 4852, page 1812, of said Public Records; thence North 18°49'28" West, departing said Northwesterly right of way line and along the Westerly line of said Parcel "B", 604.14 feet to the Point of Beginning.

From said Point of Beginning, thence South 72°00'00" West, departing said Westerly line of Parcel "B", 101.23 feet; thence North 56°00'00" West, 610.00 feet to a point lying on the Easterly line of Wards Creek, a plat recorded in Map Book 97, page 13, of said Public Records; thence North 20°19'17" East, along said Easterly line, 105.00 feet; thence North 15°51'16" West, continuing along said Easterly line, 246.54 feet to the Southerly most corner of those lands described and recorded in Official Records Book 5845, page 1143, of said Public Records; thence North 32°02'52" East, departing said Easterly line and along the Southeasterly line of said Official Records Book 5845, page 1143, a distance of 300.03 feet to the Easterly most corner thereof, said corner lying on said Southwesterly right of way line of County Road No. 16A; thence South 55°53'26" East, along said Southwesterly right of way line, 792.05 feet to the Northerly most corner of said Parcel "B"; thence South 34°06'16" West, departing said Southwesterly right of way line and along said Westerly line of Parcel "B", 400.29 feet; thence South 18°49'28" East, continuing along said Westerly line, 131.17 feet to the Point of Beginning.

Containing 9.50 acres, more or less.

SKETCH TO ACCOMPANY DESCRIPTION OF

A PORTION OF SUBSECTION 5 OF SECTION 38 OF THE ANTONIO HUERTAS GRANT, TOWNSHIP 6 SOUTH, RANGE 28 EAST, ST. JOHNS COUNTY, FLORIDA, BEING A PORTION OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 6013, PAGE 103, OF THE PUBLIC RECORDS OF SAID COUNTY, BEING MORE PARTICULARLY DESCRIBED IN SEPARATE ATTACHMENT.



LINE TABLE		
LINE	BEARING	LENGTH
L1	S71°12'25"W	1057.53'
L2	N18°49'28"W	604.14'
L3	S72°00'00"W	101.23'
L4	S18°49'28"E	131.17'

LEGEND:

C.R.	COUNTY ROAD
L1	TABULATED LINE DATA
O.R.B.	OFFICIAL RECORDS BOOK
R/W	RIGHT OF WAY
S.R.	STATE ROAD

GENERAL NOTES:

1) THIS IS NOT A SURVEY.
2) BEARINGS BASED ON THE SOUTHWESTERLY RIGHT OF WAY LINE OF COUNTY ROAD No. 16A AS BEING SOUTH 55°53'26" EAST.

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

ETM SURVEYING & MAPPING

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ANDREW OLOF KNUPPEL License Number 6511 STATE OF FLORIDA Professional Surveyor and Mapper

Digitally signed by Andrew O Knuppel

SCALE: 1"=150'

DATE: JUNE 8, 2026

ANDREW O. KNUPPEL
PROFESSIONAL SURVEYOR AND MAPPER
STATE of FLORIDA LS No. 6511

ORDER NO.: 26-001.00 FILE NO.: 131H-04.00A DRAWN BY: BAC CAD FILE: I:\Survey\RMAproj\Silverleaf\Sketches\Silverleaf FCB Zoning Parcel.dwg

Fruit Cove Baptist Church

Comprehensive Plan Site-Specific Text Policy

Comprehensive Plan Land Use Element – Policy A.1.13.1(m)(1)

The property located at 6351 County Road 16A, owned by Fruit Cove Baptist Church of Jacksonville Florida, Inc. and identified as Parcel No. 027981-0000, consisting of approximately 9.5 acres and is located at the northwest quadrant of the intersection of County Road 16A and State Road 16, as described in Ordinance 2026-_____. The property is designated Community Commercial on the Future Land Use Map. Notwithstanding the minimum development edge requirements of Policy A.2.1.3, the Property shall provide a 50-foot development edge along the western boundary where the parcel abuts Parcel No. 027981-0040 and a minimum 20- foot development edge along the property boundaries abutting non- residential development. No development edge shall be required along property boundaries contiguous to lands under common ownership.

END DOUCMENTS
TO BE RECOREDED

ATTACHMENT 2
SUPPORTING DOCUMENTS

Comprehensive Plan Amendment Application
St. Johns County Growth Management Services Department
4040 Lewis Speedway
St. Augustine, Florida 32084

Phone (904) 209-0675 E-mail: plandept@sjcfl.us

This application, together with ALL REQUIRED EXHIBITS and application fee, should be completed and filed with the Development Review Division prior to the established filing deadline for the public hearings before the Planning and Zoning Agency and Board of County Commissioners. A COMPREHENSIVE PLAN AMENDMENT DOES NOT ENTITLE THE APPLICANT TO A DEVELOPMENT PERMIT OR CERTIFICATE OF CONCURRENCY.

File No. _____ Fee _____ Date 07/10/2026

Property Owner(s) Fruit Cove Baptist Church of Jacksonville Florida Inc Phone _____

Address 501 State Road 13 Fax _____

City Saint Johns State FL Zip Code 32259 Email N/A

Are there any owners not listed ☒ No ☐ Yes If yes please list on separate sheet to be included with your application

Applicant England-Thims & Miller; Attn: Casey Dendor Phone 904.642.8990

Address 14775 Old St. Augustine Rd Fax _____

City Jacksonville State FL Zip Code 32258 Email dendorc@etminc.com

Type of Request This is a request to amend the **St. Johns County Comprehensive Plan as follows:**

☒ Text Amendment (Sign certification statement and attach additional pages as necessary)

Element Land Use Element Goal, Objective or Policy # A.1.13.1(m)(1) Page 35

☒ Future Land Use Map Amendment (Complete the following sections)

Existing Future Land Use Map Designation AI _____ Zoning OR _____

Proposed Future Land Use Map Designation CC _____ Zoning CG _____

Location/Description: Property Appraiser's Parcel Identification No. 027981-0000

Street Address/Location 6351 County Road 16A St. Augustine FL 32092

Total Acreage 9.5 Overall Dimensions _____ Flood Zone _____

Adjacent Future Land Use Designation North: RES-C & A South: A East: C & RC West: Res B

Wetlands: Yes: ☒ No: ☐ Type: Freshwater Pond Acres: _____

Soil Associations: See enclosed soils map

Provide brief description of existing property. Include existing land cover and uses, any existing structures, infrastructure.

The Subject Property is approximately 9.5-acre undeveloped parcel located at the northwest quadrant of the intersection of County Road 16A and State Road 16. The site is primarily comprised of improved pastures with a small pond located near the northern portion of the property and limited tree cover concentrated along the western boundary. The property is generally flat and highly visible, with frontage along both County Road 16A and State Road 16.

CONSISTENCY WITH COMPREHENSIVE PLAN (attach separate pages):

1. Provide justification/reasons for not developing in designated development areas as shown on Future Land Use Map. Include economic reasons and, if available, market study.

2. Provide information regarding the consistency of the proposed land use amendment with the adopted Future Land Use Element objectives and Policies and any other relevant section of the Comprehensive Plan. Also address consistency with the Strategic Regional Policy Plan and the State Comprehensive Plan.

ESTIMATED IMPACT ON THE AVAILABILITY OF PUBLIC FACILITIES:

3. Describe how property is to be developed. Include phasing, uses and estimates of (a) number and type of dwelling units; (b) square feet and type of commercial/industrial uses; (c) open space and recreational area; (d) buffers; (e) wetlands; (f) drainage and infrastructure areas; and (g) other uses and sizes. Account for all acres. Provide phasing dates and anticipated buildout.

4. (a) The project will use: [X]public sewer or [ ]private sewer or [ ] septic tank.
   (b) The project will use: [X]public water or [ ]private water or [ ]private well.

5. (a) Will the project build its own water plant? [ ] Yes [X] No
   (b) Will the project build its own sewage plant? [ ] Yes [X] No

6. If public or private utilities are to provide services, attach letters from the utility company or companies stating whether the utility company anticipates the availability of capacity to service the project through all phases.

7.Estimated Water and Sewage Demand:

	Phase (Years)	Use	GPD	Peak
Water	1	Commercial	100,000 sq ft ÷ 100 sq ft x 15 GPD = 15,000 GPD	
Sewage	1	Commercial	100,000 sq ft ÷ 100 sq ft x 12 GPD = 12,000 GPD	
Water Utility	Name: St. Johns County Utility Department		Address:	
Sewer Utility	Name: St. Johns County Utility Department		Address:	

8.Describe anticipated drainage system:

9. Estimate the Solid Waste Demand by 5.7 pounds per person per day or by use. Indicate methodology:

Phase (Years	Number of People or Use	Pounds per Day
1		

10. Estimate the Transportation Disadvantaged Van Services Demand by applying 1.5 percent times the number of Dwelling Units times 2.75 Persons Per Unit. (Only applies to residential developments.)

Phase (Years)	demand = Dwelling Units X 2.75 Persons Per Unit X 0.015
	N/A
	N/A

11. Estimate the Recreation and Open Space Demand of residential projects by applying the following formulas:
   (a) Number of Dwelling Units X 2.75 Persons Per Unit X 5 Acres Per 1,000 Population for Neighborhood/ Community Park Recreation, by phase:
   N/A

   (b) Number of Units X 2.75 Persons Per Unit X 24 Acres per 1,000 Population for Regional/Open Space, by Phase.
   N/A

12. Traffic – Estimate Average Weekday Peak Hour Trips by phase by number of dwelling units and square feet of each on-residential use using the trip generation rates from the latest edition of the Institute of Transportation Engineers *Trip Generation Manual*.

Phase (Years)	Dwelling Units or Square Feet of Each Use	Trips
1	Institutional (ITE 560) Estimated 100,000 square feet	43 trips

13. Estimate the area of impact using the *Traffic Impact Methodology and Procedures* contained in Appendix A of the ***Land Development Code*** and estimate the impacts on the Levels of Service on the segments within the Area of Impact by Phase. ATTACH CALCULATIONS (staff will complete for up to 29.99 peak hour trips).

Phase Years)	Road Segment #	Existing LOS	Project Trips	LOS with Project & Background Traffic by Phase End
				N/A
				N/A

REQUIRED EXHIBITS: (MUST BE SUBMITTED IN THIS ORDER)

1. Owner's Authorization for Agent Form. All persons listed on the deed, purchase agreement, title opinion or other acceptable proof of ownership must complete an Owners Authorization.
2. Proof of ownership (copy of deed or purchase agreement, and title opinion).
3. Legal description and tax identification number.
4. General location map with subject property clearly identified.
5. Property Appraiser's Map with identification of subject property, zoning, and Comprehensive Plan Land Use Designation within 300 feet of property.
6. Comprehensive Plan Future Land Use Map with subject property clearly identified.
7. Most recent aerial of site showing property boundaries.
8. Copy of soils map showing property boundaries.
9. Generalized site plan with uses, phases (Question 3).
10. Water and Sewer Utility letter, if applicable (Question 6).
11. One (1) copy of application and exhibits.

NOTE: On each map include north arrow, property outline, name of person or firm who prepared the map, date of map preparation, and source of the map.

I HEREBY CERTIFY THAT ALL INFORMATION IS CORRECT:
Signature of owner(s) or authorized person if Owner's Authorization Form is attached:

Printed or typed name(s): Casey Dendor, AICP

Signature(s): CDendor

NAME AND ADDRESS OF PERSON TO RECEIVE ALL CORRESPONDENCE REGARDING THIS APPLICATION:

Name: Casey Dendor, AICP

Mailing Address: 14775 Old St Augustine Rd, Jacksonville FL 32258

Phone: 904.642.8990 FAX: _____ E-mail: dendorc@etminc.com

State of Florida County of St. Johns

The foregoing instrument was acknowledged before me by means of physical presence ✓ or online notarization__ this 10th day of July, 20 26 by Casey Dendor as Planning Manager for England Thims + Miller Inc

Notary Public, State of Florida _____

Name Sharlene Wolterman # HH 747845 Oath sworn: Yes ___ No X

Notary Signature _____ My Commission expires: 2/2/30

SHARLENE LEE WOLTERMAN
MY COMMISSION # HH 747845
EXPIRES: February 2, 2030

Fruit Cove Baptist Church of Jacksonville

Small Scale Comprehensive Plan Amendment

STATEMENT OF PURPOSE, SCOPE, AND JUSTIFICATION

Project Description

The Subject Property, described in the attached legal description and survey sketch (Exhibit A) consists of approximately 9.5 acres of land located at the northwest quadrant of the intersection of County Road 16A and State Road 16, in St. Johns County, Florida. The Property is owned by Fruit Cove Baptist Church of Jacksonville Florida, Inc. and it is within the Northwest Sector Overlay defined by the 2050 Comprehensive Plan. This application for a Small Scale Comprehensive Plan Amendment is a companion to a rezoning application to rezone the Subject Property from Open Rural (OR) to Commercial General (CG).

The Subject Property is currently designated Agriculture (A-I) on the 2050 Future Land Use Map. This application proposes to amend the Future Land Use Map (FLUM) from Agriculture (A-I) to Community Commercial (CC). The proposed Community Commercial designation is consistent with the established future land use pattern at the intersection of County Road 16A and State Road 16, which already includes Community Commercial designation on the southwest quadrant of the intersection and Commercial designations supporting the commercial node. The requested amendment expands the surrounding development pattern, which includes the adjacent Bridle Ridge PUD, the Mill Creek Hardware PUD located to the southwest of the intersection of CR 16A and SR 16, and the Silverleaf DRI commercial development, which is located north and east of the intersection.

In lieu of filing a companion rezoning to Planned Unit Development (PUD), development will proceed through a rezoning to Commercial General (CG) with site plan approval by the Planning and Zoning Agency (PZA), as permitted under Comprehensive Plan Policy A.2.1.1(c). A site-specific text policy will be incorporated into the Comprehensive Plan to establish development edge standards tailored to the specific site context, including: (1) an enhanced 50-foot development edge to the west, adjacent to existing residential uses associated with Parcel 0279810040 (instead of the standard 35-foot minimum); (2) the minimum 20 foot development edge along the eastern boundary of the Subject Property where it abuts the Bridle Ridge PUD and the commercially designated Silverleaf DRI parcel, consistent with Comprehensive Plan Policy A.2.1.3, which allows the minimum development edge requirements where non-residential development is adjacent to non-residential development; and (3) no development edge requirement to the south, where the Subject Property is contiguous to lands under common ownership. The proposed future land use map and text policy are included as Exhibit B and C.

Density and Intensity of Use

The Subject Property encompasses approximately 9.5 acres. Community Commercial development will be sized and scaled to serve the surrounding community and will comply with the intensity standards applicable to the Community Commercial Future Land Use designation as established in the St. Johns County 2050 Comprehensive Plan and Land Development Code. The conceptual site plan submitted with this application is intended to identify the acreage subject to the FLU map amendment and rezoning request and illustrates the proposed access for purposes of site plan approval pursuant to Policy A.2.1.1(c).

Refined development intensity, including floor area ratio and impervious surface area ratio, will be established during the construction plan and site engineering stage in accordance with the applicable Community and Commercial Future Land Use designation, Commercial General zoning district standards per Table 6.01 of the Land Development Code and applicable requirements of the Land Development Code.

Existing Site Conditions / Suitability

Surrounding Uses

The Subject Property is strategically located within an established commercial node at the intersection of County Road 16A and State Road 16, consistent with the Northwest Sector Overlay's vision for commercial support uses at major collector and arterial intersections. The Property is well served by existing and planned infrastructure. To the north and east, the Property is adjacent to existing and planned commercial development associated with Bridle Ridge PUD and the Silverleaf DRI. Agricultural and residential uses are located to the west, and lands under common ownership lie to the south. The Future Land Use Map (FLUM) and zoning designations of the surrounding properties are summarized in the table below.

Direction	Future Land Use	Zoning
North	Residential-C	PUD (Silverleaf) – mixed use
South	Agriculture (common ownership)	Open Rural (OR) – lands under common ownership
East	Rural Commercial / Commercial / Residential-C	PUD (Bridle Ridge and Silverleaf) – commercial
West	Residential-B	PUD (Wards Creek) – residential

Urban Sprawl Analysis

All Comprehensive Plan amendments shall provide justification for the need for the proposed amendment and demonstrate how the proposed amendment discourages urban sprawl and not adversely impact natural resources per Policy A.1.3.4 of the St. Johns 2050 Comprehensive Plan.

(a) the extent to which the proposed amendment is contiguous to an existing Development Area that has developed in a manner providing a compact, contiguous development pattern with the proposed amendment;

The Subject Property is located directly adjacent to an established commercial node at the intersection of CR 16A and SR 16. The proposed amendment is contiguous to this commercially developed area and represents a logical extension of the existing commercial node rather than isolated or leapfrog development. The requested Community Commercial future land use designation is already established within the commercial node, with Community Commercial designated lands located on the southwest quadrant of the intersection and commercial designated lands associated with the Silverleaf DRI located to the north and east. Accordingly, the proposed amendment continues an established pattern of nodal commercial development at a prominent intersection of major collector and arterial roadways, which is expressly contemplated by the Northwest Sector Overlay Policy A.2.1.1.

(b) the extent to which population growth and development trends warrant an amendment, including an analysis of vested and approved but unbuilt development;

St. Johns County is one of the fastest-growing counties in Florida, and the Northwest Sector continues to experience rapid residential growth, including within the Silverleaf DRI and other nearby communities. This population growth creates sustained demand for commercial goods and services. The Subject Property is positioned at a commercially designated intersection to serve this growing residential base. Bringing the Subject Property into alignment with the Community Commercial FLUM designation responds to documented growth trends and ensures that appropriately located land is available to meet the service needs of existing and future residents.

(c) the extent to which adequate infrastructure to accommodate the proposed amendment exists or is programmed and funded through an adopted Capital Improvement Schedule, such as the County Capital Improvement Program, the Florida Department of Transportation Five-Year Work Program, or the North Florida Transportation Planning Organization (TPO) Transportation Improvement Program;

The proposed amendment is supported by existing and programmed infrastructure. The Subject Property is located at the intersection of CR 16A and SR 16, both of which are existing roadways that serve the broader area. Public utilities are available to serve the site. Transportation impacts associated with commercial development will be addressed through the site plan approval process and concurrency review. Required right-of-way reservations or dedications, access management, and transportation improvements, if any, will be identified and addressed at the development approval stage consistent with County, FDOT, and TPO requirements.

(d) the extent to which the amendment will result in an efficient use of public funds needed for the provision of new infrastructure and services related to it;

The proposed amendment promotes the efficient use of public funds by directing commercial development to a location that already benefits from existing road infrastructure at the CR 16A and SR 16 intersection, as well as utility infrastructure serving the area. By locating commercial development at an established intersection that was already planned to accommodate commercial uses within the Comprehensive Plan and the Silverleaf DRI, the amendment avoids the need for new infrastructure investment in undeveloped areas.

(e) the extent to which the amendment will not result in a sprawl development pattern as determined by Chapter 163, Florida Statutes, and will not discourage infilling of more appropriate areas available for development within existing Development Area Boundaries;

The proposed amendment does not result in urban sprawl. The Subject Property is adjacent to the Development Area Boundary, is contiguous to an established commercial node, and is positioned at the intersection of two major roadways within the Northwest Sector Overlay. The proposed Community Commercial designation reflects the existing commercial development pattern at this intersection. The amendment promotes compact, nodal commercial development consistent with Northwest Sector Overlay Policy A.2.1.1, which specifically contemplates commercial support uses at intersections of major collector and arterial roadways. Strip commercial development is not proposed. The amendment will not discourage infill of other development areas. Rather, the Subject Property represents an infill opportunity by facilitating development within an established commercial node. The amendment continues the existing pattern of commercial development at the intersection, strengthens the function of the commercial node, and accommodates growth in an undeveloped parcel without encouraging development into outlaying areas.

(f) the extent to which the amendment will result in a sustainable development pattern through a balance of land uses that is internally interrelated; demonstrates an efficient use of land; ensures compatible development adjacent to agriculture lands; protects environmental qualities and characteristics; provides interconnectivity of roadways; supports the use of non-automobile modes of transportation; and appropriately addresses the infrastructure needs of the community;

The proposed amendment supports a sustainable development pattern by placing commercial uses at an intersection that already functions as a commercial node within the Northwest Sector. The site will provide goods and services to the surrounding residential communities, reducing the need for longer automobile trips to commercial centers elsewhere. The development will be served by the existing CR 16A and SR 16 roadway network, and the site plan will be designed to comply with the requirements applicable to the Northwest Sector Overlay. An enhanced 50-foot development edge will be provided along the western boundary adjacent to residential uses, providing natural buffering and compatibility mitigation. The site plan will accommodate bicycle and pedestrian circulation.

(g) the extent to which the amendment results in positive market, economic and fiscal benefits of the area as demonstrated through a market demand analysis, economic impact analysis, and fiscal impact analysis.

The proposed amendment supports positive market, economic, and fiscal outcomes by expanding the supply of commercially designated lands at an established commercial intersection within the rapidly growing Northwest Sector. The project will serve unmet demand for commercial goods and services in the surrounding residential communities, contribute to the County's tax base through the development of currently underdeveloped land, and create employment opportunities. By utilizing existing infrastructure and aligning with the developing commercial node, the project manages public costs while reinforcing the area as a cohesive commercial center consistent with the Northwest Sector Overlay's vision.

Land Cover and Vegetation

Table 1 lists the vegetation associations by Florida Land Use, Cover and Forms Classification System (FLUCFCS) codes. The site has a variety of land use code classifications. The general location and extent of these vegetative communities are depicted on the **FLUCFCS Map**. The soils identified on the site are Sparr, Tocoi, Placd and Bakerville as depicted on the **Soils Map.**

Table 1
Land Cover/Vegetative Communities

COMMUNITY	FLUCFCS CODE
Residential Low Density	1100
Improved Pastures	2110

Flood Zones

A FEMA Flood Zone Map is included with the application materials. The Project is within flood zone X based upon FEMA Firm Map community number 12109C0257J revised 12/07/2018.

Wetlands

The Wetlands Map included in the application materials identifies the location on on-site wetlands. An environmental assessment prepared by Braun Intertec Southeast LLC has been completed and included as part of the application package.

Public Facilities Impact Analysis

The proposed amendment will not adversely impact public facilities, as adequate utility services are available to serve the proposed Community Commercial development. As confirmed by the St. Johns County Utility Availability Letter, the Property has access to existing water, sewer, reclaimed water, and electric service. Concurrency for non-residential development is exempt; site operational analysis will be reviewed with submittal of civil plans for development.

CONSISTENCY ANALYSIS

FUTURE LAND USE ELEMENT:

Objective A.1.2. Development Area Boundary

The County shall implement a development area boundary to manage growth in areas served by infrastructure.

Policies

A.1.2.4. The County shall direct growth in the Development Area Boundary where public facilities and services exist.

The Subject Property is immediately adjacent to the Development Area Boundary, where growth is intended and where public facilities and services are available or planned. Surrounded by existing and approved development within the Development Area Boundary, the proposed amendment represents an infill opportunity. Consistent with the Northwest Sector Overlay, the Subject Property is located at the intersection of County Road 16A and State Road 16, a designated location for commercial support uses that reinforces the function of the established commercial node.

A.1.2.5. The County shall prioritize infill development. Infill development is development on a vacant parcel or parcels of land within the Development Area Boundary that are surrounded by an existing built area.

The proposed amendment is consistent with the County's prioritization of infill development. The Subject Property is a vacant parcel situated within a designated commercial node at the intersection of CR 16A and SR 16, surrounded by existing commercial uses and commercially developing lands within the St. Johns County Land Development Code, the 2050 Comprehensive Plan and the Silverleaf DRI. The proposed Community Commercial designation will facilitate development of an underdeveloped parcel within an existing growth area, promote the efficient use of land and existing infrastructure, and reinforce the County's objective of directing growth to where contiguous development patterns exist, consistent with the intent of this policy.

Objective A.1.3. Control of Urban Sprawl

The County shall control urban sprawl, characterized by leapfrog development, strip development, and low density residential over a large area.

Policies

A.1.3.5. The extension or expansion of utilities and roads should promote compact, contiguous development patterns.

The Subject Property is located at an existing intersection of two major roadways, CR 16A and SR 16, and is served by the regional transportation network of the Northwest Sector. Any required utility extensions to serve the development will support compact, contiguous growth at an established commercial node, consistent with this policy. (See Urban Sprawl Analysis on Pg. 2)

Objective A.1.4. Surrounding Land Use

The County shall locate land uses so they are compatible and complementary.

Policies

A.1.4.11. When a Comprehensive Plan amendment, rezoning, or development application is considered the County shall ensure compatibility of adjacent and surrounding land uses.

The Subject Property is located within an established commercial node at the intersection of County Road 16A and State Road 16 and is adjacent to the Bridle Ridge PUD and the commercial designated parcel of the Silverleaf DRI, making the proposed Community Commercial Future Land Use designation compatible with the existing development pattern. Compatibility with residential uses associated with Parcel 0279810040 is addressed through the proposed the 50-foot development edge which provides enhanced natural buffering and screening. The minimum development edge is proposed along the eastern property boundary where the Subject Property is adjacent to commercial uses. Compatibility with lands under common ownership to the south is addressed by eliminating the development edge requirement on that boundary, as the southern parcel is under the same ownership. A companion rezoning to Commercial General and the concurrent site plan are being submitted to ensure that development is compatible with adjacent and surrounding uses.

Objective A.1.9. Land Development Regulations

The County shall continue to implement its land development regulations which assure that development is consistent with the Plan.

Policies

A.1.9.2. The County shall protect environmentally sensitive land...from the impacts of development through the implementation of the Land Development Code.

The proposed amendment will protect environmentally sensitive lands through compliance with the Land Development Code's requirements. Any wetlands and uplands identified on the Subject Property will be mapped and addressed through the site plan approval process in accordance with applicable County, SJRWMD, and FDEP requirements.

A.1.9.6. The County shall continue to enforce its land development regulations, which at a minimum, contains provisions for: (a) protection of environmentally sensitive lands; (b) safe and convenient on-site traffic circulation; (c) provision of adequate on-site parking; (d) protection of wellheads; (e) regulation of subdivisions; (f) regulations for areas subject to flooding; (g) drainage and stormwater management; (h) provision of open space and landscaping; and (i) regulations of roads, water, and sewer infrastructure.

The proposed commercial development will comply with all applicable Land Development Code standards for environmental protection, stormwater management, traffic circulation, parking, drainage, open space, and infrastructure, ensuring that development occurs in a manner consistent with the County's Land Development Code and regulations.

NORTHWEST SECTOR OVERLAY:

Objective A.2.1. Northwest Sector Overlay

St. Johns County shall utilize the Northwest Sector Overlay in the Northwest Sector, as shown in the Future Land Use Map, to realize the planning vision and promote a legacy of sustainable communities based on neighborhoods for all residents while

assuring compatibility between the environment, new development, and existing residential areas.

Policies

A.2.1.1. Northwest Sector General Administrative.

The proposed amendment is consistent with Policy A.2.1.1. The Subject Property is located at the intersection of CR 16A (a major collector) and SR 16 (an arterial roadway), which is the type of location contemplated by the Northwest Sector Overlay for commercial support nodes. The intersection already functions as an established commercial node and includes Community Commercial, Rural Commercial, and Commercial land use designations. Additionally, the surrounding Silverleaf DRI contributes to the expansion of the commercial node at this intersection. The Community Commercial future land use designation is consistent with the Northwest Sector Overlay's objective of accommodating commercial uses that serve surrounding neighborhoods and broader community. The proposed amendment integrates the Subject Property into this established commercial node and supports the Overlay's vision of serving Northwest Sector residents with compact commercial centers at major intersections. The development will be designed as a compact, nodal commercial use consistent with the Overlay's design requirements. Pursuant to Policy A.2.1.1(c), and in lieu of a PUD rezoning, the companion rezoning to Commercial General will be accompanied by site plan approval by the PZA.

A.2.1.2. Northwest Sector Circulation.

The Subject Property is located at the intersection of CR 16A and SR 16, providing direct access to both the regional and local roadway network. Its location at this major intersection is consistent with the Northwest Sector Overlay's vision of concentrating neighborhood commercial support uses along arterial and major collector roadways to serve surrounding communities. A companion rezoning application and concurrent site plan application are being submitted and evaluated to ensure consistency with Northwest Sector Overlay and access management standards applicable to CR 16A and SR 16.

A.2.1.3. Northwest Sector Development Edges and Recreational Trail System.

The proposed amendment incorporates development edge standards tailored to the unique context of the Subject Property, to be codified through a site-specific text policy: (1) A 50-foot development edge will be provided along the western boundary where adjacent to residential parcel number 0279810040. This enhanced buffer exceeds the standard 35-foot minimum, providing greater compatibility protection for residents. (2) The minimum 20-foot development edge is proposed along the eastern boundary, where the Subject Property is contiguous to planned and approved commercial development. (3) No development edge is proposed along the southern boundary, which is contiguous to lands under common ownership, where a coordinated development pattern will be maintained. These development edge specifications will be incorporated into a site-specific policy to be adopted as part of this Comprehensive Plan Amendment.

A.2.1.4. Northwest Sector Scenic Edges.

The Subject Property fronts both CR 16A and SR 16, both of which are designated roadways subject to the scenic edge requirements of the Northwest Sector Overlay. Pursuant to Policy A.2.1.4, commercially zoned properties may provide a reduced 30-foot scenic edge provided that enhanced landscaping performance standards are incorporated to preserve the scenic quality of the corridor. The companion rezoning application and concurrent site plan will incorporate a compliant 30-foot scenic edge along CR 16,

consistent with the Northwest Sector Overlay per the Comprehensive Plan and the applicable Land Development Code standards.

A.2.1.8. Northwest Sector Land Use Diversity.

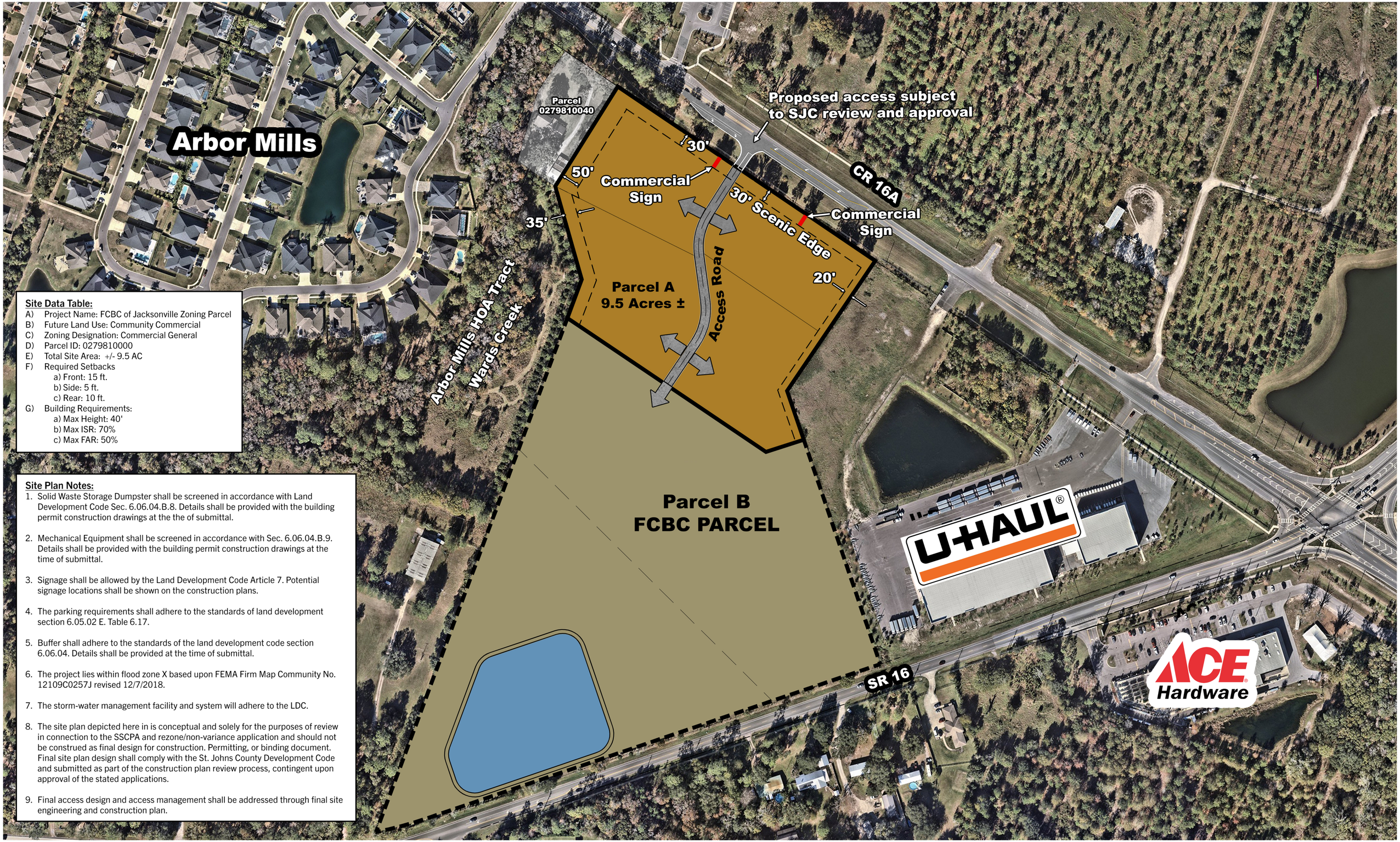
The proposed amendment supports the Northwest Sector's land use diversity objective by expanding commercial opportunities within a designated commercial node. The proposed Community Commercial future land use designation allows a broad range of complementary uses, including neighborhood and general commercial, office and professional, cultural and institutional, and neighborhood public service uses. These uses support surrounding residential neighborhoods and nearby civic uses while increasing employment and service opportunities within the Northwest Sector.

A.2.1.9. Northwest Sector General Development Pattern.

The proposed amendment is consistent with the development pattern of Northwest Sector Overlay by reinforcing a designated commercial node at the intersection of CR 16A and SR 16, consistent with the Overlay's intent to concentrate commercial uses at major intersections rather than promoting strip commercial development. The amendment respects the surrounding development pattern and provides compatibility with surrounding uses through a proposed enhanced 50-foot vegetated development edge adjacent to the existing residential home and the minimum development edge where the Subject Property adjoins compatible commercial development to the east, consistent with Comprehensive Plan Policy A.2.1.3. The companion rezoning and concurrent site plan will adhere to site-specific design standards applied through the site plan approval process.

A.2.1.11. Community Support Uses.

The proposed amendment is consistent with the Northwest Sector Community Support Uses policy by establishing commercial land uses within a designated commercial node that supports the Overlays vision of compact and interconnected development. The Subject Property will serve as a community support use for the surrounding Northwest Sector residential communities, consistent with Policy A.2.1.11. The companion rezoning application and concurrent site plan will be designed with attention to human-scale, pedestrian-oriented design elements. Pedestrian and bicycle connectivity will be incorporated into the site plan, and the development will be arranged to complement the Northwest Sector vision by promoting walkability, connectivity, and a balanced community through a mixture of uses consistent with the Northwest Sector Overlay's design standards.



Site Data Table:

A) Project Name: FCBC of Jacksonville Zoning Parcel
B) Future Land Use: Community Commercial
C) Zoning Designation: Commercial General
D) Parcel ID: 0279810000
E) Total Site Area: +/- 9.5 AC
F) Required Setbacks
   a) Front: 15 ft.
   b) Side: 5 ft.
   c) Rear: 10 ft.
G) Building Requirements:
   a) Max Height: 40'
   b) Max ISR: 70%
   c) Max FAR: 50%

Site Plan Notes:

1. Solid Waste Storage Dumpster shall be screened in accordance with Land Development Code Sec. 6.06.04.B.8. Details shall be provided with the building permit construction drawings at the the of submittal.
2. Mechanical Equipment shall be screened in accordance with Sec. 6.06.04.B.9. Details shall be provided with the building permit construction drawings at the time of submittal.
3. Signage shall be allowed by the Land Development Code Article 7. Potential signage locations shall be shown on the construction plans.
4. The parking requirements shall adhere to the standards of land development section 6.05.02 E. Table 6.17.
5. Buffer shall adhere to the standards of the land development code section 6.06.04. Details shall be provided at the time of submittal.
6. The project lies within flood zone X based upon FEMA Firm Map Community No. 12109C0257J revised 12/7/2018.
7. The storm-water management facility and system will adhere to the LDC.
8. The site plan depicted here in is conceptual and solely for the purposes of review in connection to the SSCPA and rezone/non-variance application and should not be construed as final design for construction. Permitting, or binding document. Final site plan design shall comply with the St. Johns County Development Code and submitted as part of the construction plan review process, contingent upon approval of the stated applications.
9. Final access design and access management shall be addressed through final site engineering and construction plan.

FRUIT COVE BAPTIST CHURCH

Site Plan Exhibit - CPA (SS) and Rezone
4 September 2026

Note: This land plan and/or rendering is conceptual and is subject to review, change and approval by several governmental agencies to meet environmental, technical and other standards. This plan was completed based on limited information, therefore all acreage figures are unofficial and are subject to change.

0' 50' 100' 200'

N

ENGLAND-THIMS & MILLER

"T:\2026\26-212\Graphics\CR16 and SR 16 A FCBC Location 2026-09-04.psd"

July 13, 2026

VIA Email: LockwoodS@etminc.com

Scott Jordan Lockwood, P.E.
ETM – England, Thims & Miller, Inc.
14775 Old St Augustine Road
Jacksonville, FL 32258

RE: Water & Sewer Availability
Fruit Cove Baptist Commercial CR 16A – Rev 1 **PIN(s): 027981 0000**

Mr. Lockwood:

Based on the conditions listed below, St. Johns County Utility Department (SJCUD) will be able to serve the 100,000 square foot commercial space with a total anticipated water demand of 15,000 gallons per day (gpd) and wastewater flow of 12,000 gpd. **This letter cannot be used to obtain a building permit. A receipt of paid Unit Connections Fees (UCF) is required to obtain a building permit.**

Point of Connection - Water:
Potable water service can be provided by the NW Water Treatment Plant (WTP) with connection to the existing 16-inch water main along CR 16A. The St. Johns County Fire Department should be contacted regarding fire flow requirements for the site, and Developer must make provisions if the required flow is not available. See specific conditions section below.

Point of Connection - Wastewater:
The wastewater capacity can be provided by the NW Water Reclamation Facility (WRF) with connection to the existing 10-inch force main along SR 16.

Point of Connection – Reclaimed Water:
This development is located within the County's Mandatory Reclaimed Water Service Area (MRWSA) pursuant to County Ordinance 2026-07, and will have one of the following requirements:

1. If the project will have a landscaped irrigable area less than two (2) acres at buildout, the development will qualify for an exemption for reclaimed water connections pursuant to County Ordinance 2026-07 and shall utilize an alternative water source for irrigation that is separate from the potable water distribution system.

2. If the project will have landscaped irrigable area larger than two (2) acres at buildout, the development shall install reclaimed water facilities for irrigation with provisions for temporary

supply augmentation from an alternate water source and appropriate stub outs for future connection to the County's reclaimed water system, once service is available, and shall be coordinated during design with SJCUD staff.

General Conditions:

1. If the development consists of residential rental units and/or commercial space, the on-site utilities will be privately owned and SJCUD is not responsible for maintenance.

2. Water and sewer conveyance are not absolutely guaranteed until the proposed development is issued a Concurrency Certificate. At that time, the developer must meet and agree with the SJCUD regarding any necessary infrastructure upgrades to accommodate the proposed development without affecting the existing level of services to its customers.

3. The availability of capacity will expire 180 days from the date of this letter on **January 9, 2027**. All necessary fees must be paid to guarantee a specific number of Equivalent Residential Connections pursuant to County Ordinance 2026-07.

4. Prior to submitting construction plans, please have the Engineer of Record contact SJCUD Engineering for copies of as-built information regarding the connection point and relevant Utility information related to FDEP permitting. Your Engineer and Contractor must field verify the size and location of all utilities prior to design and construction. If connecting to an SJCUD-owned force main, please request a connection pressure using our web app here.

5. The Engineer of Record shall provide a Utility Master Plan for this development to detail the conditions generally outlined in this letter.

Specific Conditions (including offsite improvements):

1. To ensure adequate water capacity, Developer shall loop the water main through the project from CR 16A to SR 16. In addition, Developer must install a 16-inch water main along SR 16 between Ace Hardware and the King and the Bear.

2. SJCUD will require a 10-foot wide easement along the frontage of SR 16 located outside of the right-of-way reservation for future extension along this corridor.

3. The development is located along a water, wastewater, and/or reuse transmission corridor and is required to install main sizes specified by SJCUD. The developer may qualify for unit connection fee reimbursement for some or all of the transmission corridor improvements.

If you have any questions, please contact me at 904.209.2614 or tshoemaker@sjcfl.us.

Sincerely,

Teri Shoemaker

Teri L. Shoemaker, P.E., PMP
St. Johns County Utility Department

Phase I Environmental Site Assessment

St. Augustine Affordable Housing Development
6351 CR-16A
St. Augustine, Florida

Prepared For

Dominium Development & Acquisition, LLC

Project B2304843
July 11, 2023

Braun Intertec Southeast, LLC

BRAUN INTERTEC
The Science You Build On.

BRAUN INTERTEC
The Science You Build On.

Braun Intertec Southeast, LLC
11001 Hampshire Avenue S
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

July 11, 2023 Project B2304843

Thomas Williams
Dominium Development & Acquisition, LLC
374 Northridge Road, Suite 500
Atlanta, GA 30350

Re: Phase I Environmental Site Assessment
St. Augustine Affordable Housing Development
6351 CR-16A
St. Augustine, Florida

Dear Mr. Williams:

In accordance with your written authorization, Braun Intertec Southeast, LLC conducted a Phase I Environmental Site Assessment (ESA) of the above-referenced property (Site). The objective of the Phase I ESA was to identify recognized environmental conditions in connection with the Site and to assist in satisfying All Appropriate Inquiries (AAI) standards and practices. The Phase I ESA was conducted in general conformance with the scope and limitations of ASTM International (ASTM) Practice E1527-21 and 40 Code of Federal Regulations (CFR) Part 312.

The Phase I ESA was prepared on behalf of, and for sole use by, Dominium Development & Acquisition, LLC (Client) unless otherwise specified in Section 1.3 of the attached report. Please refer to the report for the scope, methods, and conclusions of our assessment.

We appreciate the opportunity to provide professional services to you for this project. If you have any questions regarding the attached report, please contact James Stephan at 952.995.2492 or Derek Schilling at 952.995.2674.

Sincerely,

BRAUN INTERTEC SOUTHEAST, LLC

James E. Stephan
Group Manager, Senior Scientist

Derek M. Schilling, PG (MN, TN), CHMM
Account Leader, Senior Scientist

Attachment: Phase I Environmental Site Assessment Report

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Executive Summary

Braun Intertec Southeast, LLC conducted a Phase I Environmental Site Assessment (ESA) of the property located at 6351 County Road 16A (CR-16A) in St. Augustine, Florida (Subject Property, hereafter referred to as Site) in general conformance with the scope and limitations of ASTM International (ASTM) Practice E1527-21 and 40 Code of Federal Regulations (CFR) Part 312.

The Site consists of a fenced-in, irregular-shaped parcel totaling approximately 19.3 acres located west of the intersection of County Road 16A (northeastern Site boundary) and State Road 16 (southeastern Site boundary) in St. Augustine, St. Johns County, Florida. The Site is currently utilized as pastureland for cattle and contains a small (approximately 0.5 acre) pond.

Based on the readily available historical information, the Site has been used for agricultural purposes (cultivated cropland or pastureland) since at least 1942. The roadways along the northeastern and southeastern boundaries of the Site have existed since at least the 1940s. The on-Site pond has been present since the late 1980s and based on aerial photographs was intermittently present prior to 1980.

The surrounding properties have historically been a mix of undeveloped land or agricultural land with some farmsteads present in the surrounding area. A commercial facility (Silvex) was formerly located to the west. The surrounding uses are currently primarily residential with new development occurring to the north and northeast. A farmstead (Wolfe Ranch) remains located approximately 650 feet to the east. A petroleum release was reported in regard to Wolfe Ranch that was investigated to the satisfaction of the Florida Department of Environmental Protection (FDEP). Based on a review of regulatory information, no petroleum contaminants of concern at or above target levels were detected in soils or groundwater and the groundwater gradient was determined to be toward the southeast, away from the Site. The Silvex facility was the location of a documented release of waste solvents associated with incinerated x-ray film that occurred in the early 1980s. Based on a review of regulatory information, contaminants of concern (including TCE, vinyl chloride, and 1,4-dioxane) exceed regulatory limits in the lower surficial aquifer and investigations are ongoing. However, the groundwater gradient in two impacted aquifers (upper and lower) has been established to flow to the southwest, away from the Site, and a sample collected from the well closest to the Site in 2020 had non-detectable concentrations of TCE and vinyl chloride with the 1,4-dioxane concentration below the regulatory standard.

This assessment has revealed no RECs, CRECs, or significant data gaps in connection with the Site.

1.0 Introduction

Braun Intertec conducted a Phase I Environmental Site Assessment (ESA) of the property located at 6351 County Road 16A (CR-16A) in St. Augustine, Florida (Subject Property, hereafter referred to as Site). The Site is approximately 19.3 acres in size and is currently utilized as pastureland.

1.1 Purpose

The U.S. Environmental Protection Agency (EPA) All Appropriate Inquiry (AAI) rule allows a user to qualify for certain protections from Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability for innocent landowners, bona fide prospective purchasers, and contiguous property owners in that it constitutes all appropriate inquiry into prior ownership and use of a property prior to or on the date of property acquisition. The purpose of this Phase I ESA was to identify, to the extent feasible pursuant to the processes defined by ASTM International (ASTM) Standard Practice E1527-21 (ASTM E1527-21), recognized environmental conditions in connection with the Site and to assist in satisfying All Appropriate Inquiries (AAI) standards and practices. Definitions of common terms associated with ASTM 1527-21 are presented in Appendix A.

A *recognized environmental condition* (REC) is defined by ASTM E1527-21 as "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment." For the purposes of this definition, "likely" is that which is neither certain nor proved but can be expected or believed by a reasonable observer based on the logic and/or experience of the Environmental Professional (EP), and/or available evidence, as stated in the report to support the opinions given therein.

A REC may include a *controlled recognized environmental condition* (CREC) which is defined by ASTM E1527-21 as "a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations)."

A *historical recognized environmental condition* (HREC) is defined by ASTM E1527-21 as " a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting

unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). A historical recognized environmental condition is not a recognized environmental condition."

1.2 Scope of Services

The Phase I ESA was conducted in general conformance with the scope and limitations of ASTM E1527-21 and 40 Code of Federal Regulations (CFR) Part 312. Generally, this scope of services as defined by ASTM E1527-21 included the following.

- Searches for recorded environmental cleanup liens (a User Responsibility).
- Reviews of federal, tribal, state, and local government records.
- A review of readily available historical information; interviews with owners, operators, and occupants (as available).
- Visual reconnaissance of the Site and of adjoining properties.
- Preparation of this report.

1.3 Use of Report

According to the User, the Phase I ESA was conducted in association with the acquisition and proposed redevelopment of the Site.

The Phase I ESA was prepared on behalf of, and for use by, Dominium Development & Acquisition, LLC (User) in accordance with the contract between Dominium Development & Acquisition, LLC (Client) and Braun Intertec, including the Braun Intertec General Conditions or specific contractual terms agreed between parties. No other party has a right to rely on the contents of the Phase I ESA without written authorization by Braun Intertec. All authorized parties are entitled to rely on the report according to our contract with Client, and under the same terms, conditions, and circumstances. Please note that our contract with Client may contain a limitation of our total liability. If so, such limitation also applies to all those receiving this permission.

1.4 Limitations, Significant Assumptions, and Exceptions

The scope of work defined by the ASTM E1527-21 is not intended to provide a universal analysis of potential environmental risks and hazards. A Phase I ESA cannot wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Braun Intertec used that degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession currently practicing in the same locality. No warranty, express or implied, is made.

This Phase I ESA included no evaluation of non-ASTM scope considerations such as those listed in ASTM E1527-21, Section 13.1 unless otherwise addressed in this report. These include, but are not limited to, asbestos-containing materials (ACM), radon, indoor air quality, mold or microbial growth conditions, lead-based paint (LBP), lead in drinking water, or wetlands. A complete evaluation of business environmental risk associated with a parcel of commercial real estate may necessitate investigation beyond that addressed by this scope of work. Vapor migration in the subsurface is described by ASTM E2600; however, ASTM E1527-21 does not require application of the E2600 standard to achieve compliance with AAI. An ASTM E2600-15 vapor encroachment screen is not within the scope of this Phase I ESA and will not be conducted unless specifically requested by the User. However, vapors present or likely present from hazardous substances or petroleum products are considered no differently than hazardous substances or petroleum products present or likely present as a result of a release to the environment. The determination of whether a REC related to vapor encroachment actually exists may require additional information or evaluation that is beyond the scope of a Phase I ESA.

Observations made regarding the layout of the Site and surrounding properties were true at the time of this assessment. Although these features are described using present tense, many described features are not permanent and may change over time.

No significant assumptions were made for this assessment. The findings of this Phase I ESA are based solely upon evaluation of information from the sources referenced within this report. The information obtained from records review is limited to that which is reasonably ascertainable, as defined by ASTM E1527-21. Information obtained from businesses or individuals is limited to that which is voluntarily disclosed. The identification of conditions that could affect the Site may be limited by the availability and accuracy of information provided by governmental and private sources. To the extent practical, the accuracy of information obtained has been verified. The information presented in this report is based upon records that are currently available and upon the conditions that existed at the time of our visual reconnaissance of the Site. Limiting conditions, if any, present at the time observations of the Site were made are detailed in Section 5.1.

1.5 Viability

Subject to Section 4.6 (*Continued Viability of ESA*) and Section 6 (*User's Responsibilities*) of ASTM E1527-21, an environmental site assessment meeting or exceeding this practice and for which the information was collected or updated within 1 year prior to the date of acquisition of the Site may be used provided that the following components of the inquiries were updated within 180 days of the date of purchase or the date of the intended transaction.

- Interviews with owners, operators, and occupants.
- Searches for recorded environmental cleanup liens (a User Responsibility).
- Reviews of federal, tribal, state, and local government records.
- Visual reconnaissance of the Site and of adjoining properties.
- The declaration by the EP responsible for the assessment or update.

The 180-day period shall commence from the completion of any of these components, whichever is first.

The dates of the referenced components for this ESA are provided below.

Required ESA Components	Date Completed
Earliest date of interview of past and present owners, occupants, or operators	N/A
Date of Environmental Lien Search or Title Commitment (if provided)	N/A
Reviews of federal, tribal, state, and local government records	June 12, 2023
Date of visual reconnaissance of subject and adjoining properties	June 2, 2023
EP declaration/Phase I ESA Report Issuance Date	July 11, 2023

2.0 User Provided Information

The purpose of this section is to describe tasks to be performed by the "User." The "User" as defined by ASTM E1527-21, is "the party seeking to use Practice E1527 to complete an environmental site assessment of the subject property." A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager."

Statute 40 CFR 312 allows (but does not mandate) the User performing AAI to conduct inquiries or activities that may include searches for environmental liens, assessments of any specialized knowledge

on the part of the User, an assessment of commonly known or reasonably ascertainable information about the Site, and an assessment of the relationship of the purchase price to fair market value. However, if the User performing AAI conducts one or more of these inquiries and/or activities, the rule allows (but does not mandate) that the User may communicate information gathered from these inquiries and/or activities to their EP to identify a possible REC.

Braun Intertec provided a User Questionnaire to the Client to communicate information gathered from these inquiries and/or activities to the EP (Appendix B). As indicated in our contract, if multiple Users are requesting reliance on the Phase I ESA, the Client was responsible for forwarding a copy of the questionnaire to all appropriate entities (collectively the User). User-supplied information, if received, is discussed in the following sections.

2.1 Environmental Liens

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

The User was not aware of a record of environmental liens recorded against the Site.

2.2 Activity and Use Limitations

Activity and Use Limitations (AULs) are legal or physical restrictions or limitations on the use of, or access to, a site or facility intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances or petroleum products in environmental media.

The User was not aware of the presence of AULs recorded against the Site.

2.3 Specialized Knowledge

Specialized environmental knowledge includes any information and/or experience related to the Site or nearby properties that is material to identifying RECs in connection with the Site.

The User did not have specialized knowledge or experience regarding the Site or nearby properties.

2.4 Valuation Reduction for Environmental Issues

Valuation reduction for environmental issues includes the relationship of the purchase price to the fair market value of the property.

The User was not aware of information indicating any reduction in purchase price or fair market value due to environmental issues.

2.5 Commonly Known or Reasonably Ascertainable Information

Commonly known or reasonably ascertainable information includes information about the Site that is generally known to the public within the local community where the Site is located, and that is material to the identification of RECs in connection with the Site.

The User indicated that the Site has previously been used as a cow pasture.

2.6 Degree of Obviousness

The User must consider the degree of obviousness of the presence or likely presence of releases or threatened releases at the Site and the ability to detect releases or threatened releases by appropriate investigation.

The User was not aware of any obvious indications of the presence or likely presence of releases or threatened releases at the Site.

2.7 Other

No other information was provided by the User.

3.0 Site Location and Description

Site information was obtained from User-provided information, observations during the Site reconnaissance, and from a review of readily available documents and online information sources.

3.1 Site Location

A Site Location Map is attached as Figure 1. Information regarding the Site obtained from the county website is attached in Appendix C. Relevant Site information obtained from the county website and from other sources is summarized below.

Address:	6351 CR-16A
City:	St. Augustine
County:	Saint Johns County
State:	Florida
Property Identification Number:	0279810000
Construction Year:	N/A
Owner:	Bull Pasture, LLC
Latitude:	29.976663 North
Longitude:	-81.516717 West
Size:	19.3 acres

3.2 Site Description and Use

The Site consists of a fenced-in, irregular-shaped parcel totaling approximately 19.3 acres located west of the intersection of County Road 16A (northeastern Site boundary) and State Road 16 (southeastern Site boundary) in St. Augustine, St. Johns County, Florida. The Site is currently utilized as pastureland for cattle and contains a small (approximately 0.5 acre) pond. A Site Layout Plan is attached as Figure 2.

3.3 Current Uses of the Adjoining Properties

Adjoining properties include County Road 16A with a development site located beyond to the northeast; State Road 16 with residential properties located beyond to the southeast; a development site to the east; pastureland to the southwest; and a creek with vegetated buffer with a residential subdivision located beyond to the northwest. Adjoining properties are depicted on Figure 2.

4.0 Records Review

The purpose of the records review is to obtain and review records that will help identify RECs in connection with the Site. References identifying published sources and Client- or User-provided reports relied upon in preparation of this Phase I ESA are provided in Appendix D.

4.1 Physical Setting

The purpose of the physical setting review is to provide information about the physical setting of the Site in order to aid in the evaluation of both physical characteristics of the Site and additional attribute data, which is useful in assessing the impact of migration of contaminants and subsequent impact on soils and/or groundwater. This information was obtained from a Physical Setting Report (PSR) obtained from Environmental Risk Information Services (ERIS) as attached as Appendix E. The references and information source details are included within the PSR report. The PSR also includes additional information not discussed here including a review of wetland maps, floodplain maps, and radon data.

4.1.1 Topography

Based on the PSR, the Site is mapped on the United States Geological Survey (U.S.G.S) 7.5-minute topographic map series, Bakersville, FL and Picolata, FL quadrangles. Based on these maps, the Site elevation is approximately 24 feet above mean sea level. The Site topography and surrounding region is relatively flat.

4.1.2 Soil

Based on the PSR, which includes a compilation of maps obtained from the Soil Survey Geographic database (SSURGO), the predominant soils on the Site (central and southern portions) consist of Tocoi fine sand, 0 to 2 percent slopes. The soils on the northern portion of the Site consist of Sparr fine sand, 0 to 5 percent slopes.

4.1.3 Geology

Based on the PSR, the predominant geologic formation underlying the surficial deposits is described as Pleistocene/Holocene-Age undifferentiated sediments.

4.1.4 Hydrogeology

Based upon groundwater investigations conducted at 6550 State Road 16 (Silvex site, see Section 4.2.2) located approximately 500 feet west of the Site, the groundwater flow direction in the area is to the southwest and approximately 60 feet below the ground surface. Site-specific groundwater flow direction was not determined during this Phase I ESA.

4.2 Regulatory Database Review

We obtained regulatory database information pertaining to the Site and surrounding area from Environmental Risk Information Services, Ltd. (ERIS). The ERIS report is a compilation of records of facilities that are included on current federal and state environmental regulatory databases. The

databases were searched based on the specified minimum search distances from the Site as established by ASTM E1527-21.

The ERIS report also includes a description, source reference, date of acquisition, and the specified approximate minimum search distance criteria for each database and list. A copy of the ERIS report is attached in Appendix E.

We reviewed the ERIS report to identify records that indicate known or potential RECs on the Site and/or surrounding area and to evaluate the likelihood for those RECs to impact the Site based upon their distance, topographic position relative to the Site, and the documented presence of contaminant releases that have not been remediated to the satisfaction of regulatory authorities. In addition to the ASTM standard environmental records reviewed, ERIS provides listings based upon review of supplemental federal, state, and local records (where available), and on exclusive or proprietary databases. Where those databases yielded relevant information regarding environmental conditions at or proximate to the Site, they have been included in the discussion below.

4.2.1 Site

Based on a review of the ERIS report, the Site is not listed on any of the standard environmental record sources as specified in ASTM E1527-21.

4.2.2 Adjoining Properties

Based on the ERIS report, the following facility is identified on a property that adjoins the Site:

- ***Silvex, SR 16 1 Mile West of International Golf Parkway, Map ID # 3, 4, 5, 8, and 9,*** is located on the western adjoining property (listed as approximately 250 feet to the west). The facility is listed in the PFAS Investigation at Federal Facilities (PFAS), Florida Department of Environmental Protection Cleanup Sites (CLEANUP DEP), Environmental Restoration integrated Cleanup (ERIC) Waste Cleanup (ERIC), and Superfund Waste Cleanup & State-Funded Action Sites (SHWS) databases. According to the ERIS report, the facility has completed the site investigation portion of the ERIC program and is currently listed as an active in the state funded cleanup program. The facility is discussed further in section 4.2.6.

4.2.3 Surrounding Area

We reviewed the ERIS report for facilities located beyond adjoining properties that may indicate a release or likely release of hazardous substances and/or petroleum products that may impact the Site. Based on

factors that include the nature of the database listing, regulatory status, distance from the Site, and/or location relative to the regional groundwater flow direction, as referenced in Section 4.1, the following facility was identified:

- ***Wolfe Ranch, 6260 Highway 16A and Highway 16, Map ID # 2 and 6,*** is located approximately 650 feet east of the Site. The facility is listed in the Leaking Storage Tank (LST), Underground Storage Tank (UST), Aboveground Storage Tank (AST), Storage Tank/Contaminated Facility Search (STCS), Contaminated Sites (DWM CONTAM), Well Surveillance Program Facilities (WELL SURVEILLANCE), and Waste Cleanup Responsible Party Sites (WCRPS) databases. According to the ERIS report, the facility had five USTs ranging from 560 gallons to 10,000 gallons removed from that property in December 1989. In July 1990, four ASTs were installed at the facility and in January 2001 two of the four ASTs were removed. Petroleum hydrocarbon contaminants were detected in soil and groundwater following the January 2001 removal of two ASTs. The facility is discussed further in section 4.2.6.

4.2.4 Unmapped Facilities

The ERIS report identified unmappable or orphan facilities, which, because of poor or inadequate address information, could not be located. Using online mapping resources, all unmappable facilities were identified outside the appropriate minimum search distances for the Site or could not be located based on the information provided. It is our opinion the unmappable facilities do not warrant further consideration as potential RECs.

4.2.5 Additional Environmental Record Sources

To enhance and supplement the regulatory database report, we requested reasonably ascertainable local city, county, or state records to identify information relevant to the identification of potential RECs at the Site.

State Regulatory Websites

The Florida Department of Environmental Protection (DEP) “Oculus” website was accessed to evaluated for regulatory listings at the Site, adjoining properties, or surrounding properties that would be of environmental concern but were not identified in the regulatory database report.

We did not identify facilities on the state regulatory websites we accessed that were not already listed in the ERIS report discussed in Section 4.2.

County Information

Additional relevant environmental information was requested from St. Johns County by a public information request submitted on June 9, 2023. In a response dated June 9, 2023, the County stated that there was no relevant information for the Site address and provided the contact information for the Environmental Division.

In a response dated June 15, 2023, Jan Brewer, the Environmental Division Manager for St Johns County, indicated that the Site was located in the vicinity of the Silvex cleanup site.

City Information

Braun Intertec requested Site-specific information of environmental relevance from the City of St. Augustine. The responses are discussed below, and copies of relevant information are provided in Appendix F.

City of St. Augustine City Clerk

Braun Intertec received a response from the St. Augustine City Clerk, Ms. Darlene Galambos, regarding information about the Site. The response indicated that the Site was not within the jurisdiction of the City of St. Augustine and that Braun Intertec would need to reach out to St. Johns County for information.

Well Databases

The ERIS Physical Survey Report (PSR) did not identify any water wells at the Site. The Florida Department of Health (FDOH) maintains the Well Surveillance Mapping Site, which is a limited database of water well records. Not all private water wells are listed in that database. Our review of the Well Surveillance Mapping Site website revealed no documentation of water wells located on the Site.

4.2.6 Regulatory Agency File and Records Review

The purpose of the regulatory file review is to obtain sufficient information to assist in determining if a REC, CREC, HREC, or a *de minimis* condition exists at the Site in connection with a regulatory report listing.

The Site and/or an adjoining property were not identified in the regulatory report; however, it is our opinion that a regulatory agency file and records review is warranted to determine if a REC, CREC, HREC or a *de minimis* condition exists at the Site in connection with the regulatory report listings that were discussed above. The additional information that was obtained is discussed below.

- ***Silvex, SR 16 1 Mile West of International Golf Parkway:*** The facility, Silvex Corporation, incinerated x-ray film and other waste solvents from Jacksonville Naval Air Station to recover

silver. In the early 1980s, approximately 36,000 gallons of waste solvents were released from a storage tank. This release led to the pollution of the surficial aquifer with contaminants including methyl isobutyl ketone, methyl ethyl ketone, toluene, xylene, dichlorobenzene, 2-propanol, ethanol, 1-butanol, 2-butanol, and methylene chlorides. Two aquifers (upper and lower) have been established during investigations with groundwater gradients to the southwest. Remedial activities conducted in 2010 included the excavation of 4,683 tons of source material and treatment of approximately 7.8 million gallons of groundwater during excavation activities.

According to the April 2020 Annual Groundwater Monitoring Report, the upper surficial aquifer had no groundwater cleanup target levels (GCTLs) exceedances in the last three annual sampling events; however, the lower surficial aquifer had tricholoethene (TCE) exceedance in one monitoring well, vinyl chloride exceedances in two monitoring wells, and 1,4-dioxane exceedances in two monitoring wells. These monitoring wells are located on the western portion of the facility boundary and are a distance of 600 feet or greater from the Site. Groundwater samples collected from monitoring well MW-18 located closest to the Site (approximately 350 feet west) have historically been non-detect or below GCTLs for all contaminants of concern with the exception of a detection of 1,4-dioxane in 2011. The investigation is ongoing.

- ***Wolfe Ranch, 6260 Highway 16A and Highway 16, Map ID # 2 and 6:*** A Site Assessment Report was prepared for the facility in October 2001. According to the report, soil and groundwater contamination was discovered at the facility after the removal of two 1,000-gallon ASTs containing diesel fuel and unleaded gasoline in January 2001. Additional soil and groundwater sampling was conducted in July 2001. Soil analytical results indicated that that there was no presence of contaminated soils at or above target levels, and concentrations of petroleum contaminants of concern were not detected in excess of the groundwater criteria. A southeastern groundwater gradient was established during the investigation. In a memorandum from the Florida Department of Environmental Protection dated December 6, 2001, the facility was granted 'No Further Action' status.

4.3 Historical Use Information Review

The objective of compiling and analyzing historical property information is to develop a history of the previous uses of the Site, adjoining properties, and surrounding area, in order to help identify the likelihood of past uses having led to RECs in connection with the Site.

The following table summarizes the historical information reviewed. Details regarding the information reviewed are provided in the sections below.

Historical Source	Provided By	Years Available
Fire Insurance Maps	ERIS	N/A
Topographic Maps	ERIS	1947, 1949, 1970, 1991, 2015, 2021
Aerial Photographs	ERIS	1942, 1952, 1960, 1971, 1975, 1980, 1988, 1994, 1999, 2005, 2006, 2007, 2010, 2013, 2015, 2017, 2019, 2021
City Directories	ERIS	1924-25, 1930, 1934, 1940, 1945, 1951, 1955, 1960, 1964, 1971, 1976, 1981, 1986, 1991, 1996, 2000, 2003, 2008, 2012, 2016, 2020, 2022

If relevant and useful, other on-line historical sources were reviewed and are cited in the subsections below.

4.3.1 Fire Insurance Maps

Historical maps sometimes produced by private fire insurance map companies may be useful to indicate uses of the Site and nearby properties at specified dates. The information noted on the maps commonly includes uses of individual structures, locations of fuel and/or chemical storage tanks, and storage of other potentially toxic substances. According to ERIS, no fire insurance map coverage is available for the Site. A copy of the no coverage document is provided in Appendix G.

4.3.2 Topographic Maps

Topographic maps provide a detailed record of a land area, giving geographic positions and elevations for both natural and man-made features such as pipelines, power lines, and many types of buildings. Maps published after 2009 typically do not include detail related to man-made features. Copies of the historical topographic maps are attached in Appendix H. The following is a summary of the information reviewed.

Site

No structures are depicted at the Site on the 1947 to 2015 topographic maps. Beginning on the 1947 topographic map, two roads border the northeastern and southeastern portions of the Site; the road bordering the Site to the northeast is consistent with the current alignment of County Road 16A and the road bordering the Site to the southeast is consistent with the current alignment of Highway 16.

A wetland is depicted on the northern portion of the Site beginning on the 1949 topographic map up through the 1970 topographic map. A small pond is depicted in the northern portion of the Site beginning in the 1991 topographic map through the 2021 topographic map.

The 2015 to 2021 topographic maps only show topography, roads, waterways, and other similar features; therefore, buildings or areas of development are not depicted on these maps. The Site is vacant based on aerial photographs of the corresponding time period.

Adjoining Properties

A structure is depicted on the eastern adjoining property on the 1947 topographic map. The 1947 map also depicts a creek along the northwestern Site boundary and an unimproved road on the western adjoining property. The 1949 topographic map depicts four structures on the southwestern adjoining property along modern day Highway 16 and two structures on the eastern adjoining property. The surrounding area remains relatively unchanged from the 1949 topographic map through the 1991 map.

The 2015 to 2021 topographic maps only show topography, roads, waterways, and other similar features; therefore, buildings or areas of development are not depicted on these maps.

4.3.3 Aerial Photographs

Aerial photographs provide a visual record of land use and landcover conditions frequently dating back to the 1930s or 1940s. Copies of the aerial photographs are attached in Appendix I. The following is a summary of the information reviewed.

Site

Beginning in the 1942 aerial photograph, the Site consisted of cultivated agricultural or pastureland with a pond on the northern portion of the Site. By the 1952 aerial photograph, the pond area appears cultivated. The Site appears vacant or utilized as pastureland from 1960 through present day. The pond is again depicted on the northern portion of the Site in the 1988 aerial photograph.

Adjoining Properties

The surrounding area is depicted to be primarily vacant or utilized for agricultural purposes in the 1942 through 1952 aerial photographs. A road aligned with modern day Highway 16 is depicted along the southeastern Site boundary and another road aligned with modern day County Road 16A is depicted along the northeastern Site boundary. Two farmsteads are depicted on the western and southern adjoining properties beginning on the 1952 aerial photograph. A northwest-adjacent creek is apparent in each aerial photograph. Adjoining properties remain relatively unchanged until the 1980 aerial

photograph when the apparent Silvex facility is depicted west of the Site. Development of a residential neighborhood is first apparent northwest of the adjacent creek on the 2017 aerial photograph.

4.3.4 City Directories

City directories provide a listing, by street address, of residents, businesses, organizations or institutions for the date of directory publication. The available city directory listings provided by ERIS were reviewed to identify past occupants at the Site and surrounding area. City directories for County Road 16A and Silverleaf Parkway were reviewed. According to the city directories, Silverleaf Parkway is also known as FL 16. Copies of the city directories reviewed are provided in Appendix J. A summary of the relevant information is provided below.

Site

The Site address is not listed on any of the directories reviewed.

Adjoining Properties

The surrounding properties were listed primarily as residential from 1996 to 2022. Notable listings included JRH Sport Industries Inc. (6550 Silverleaf Parkway); an aluminum wire and cable and a sporting goods wholesaler from 2000 through 2016; Roof and Lawn Doctors Xperts (6600 Silverleaf Parkway) listed as roofing contractors and lawn/garden services from 2003 through 2012; and Wards Creek Elementary School (6555 Silverleaf Parkway) from 2012 through 2022.

4.3.5 Building Department Records

The Site is zoned Grazing Class 3.

4.3.6 Previous Environmental Documents

No previous environmental reports or documents containing relevant historical information were provided for our review.

4.3.7 Other Historical Resources

No other historical sources were reviewed as part of this assessment.

4.3.8 Summary of Site History

Based on the above information sources, the Site has been vacant or utilized for agricultural purposes (cropland and/or pastureland) since at least 1942.

4.3.9 Summary of Historical Information for Adjoining and Area Properties

Surrounding land use consisted primarily of agricultural land, with some farmsteads, from at least the 1940s through the 1980s when an industrial facility was constructed west of the Site. Beginning in the 1940s, two roads border the northeastern (County Road 16A) and southeastern (Highway 16) portions of the Site. A residential neighborhood was developed northwest of the Site in 2017.

5.0 Site Reconnaissance

The objective of the site reconnaissance is to obtain information and make observations to help indicate the likelihood of identifying RECs in connection with the Site. The Site Layout is presented on Figure 2, and photographs of the Site are presented in Appendix K.

5.1 Observations, Methodology and Limiting Conditions

Braun Intertec Environmental Professional Rick McCann, P.G., visited the Site on June 2, 2023. Our staff were unaccompanied during the Site reconnaissance. At the time, the weather was sunny with a slight breeze with a temperature of about 90 degrees Fahrenheit.

Observations made at the time of the Site reconnaissance were conducted by physically traversing and visually observing the exterior aspects of the Site. Adjoining properties were visually observed from the Site boundaries or nearby public rights-of-way.

5.2 Site Observations

5.2.1 Site Description

The Site consisted of a fenced-in, irregular-shaped parcel totaling approximately 19.3 acres located west of the intersection of County Road 16A (northeastern Site boundary) and State Road 16 (southeastern Site boundary). The Site was being utilized as pastureland for cattle and contained a small (approximately 0.5 acre) pond. A construction storage container was observed beyond the eastern Site boundary on the eastern adjoining property.

5.2.2 Pits, Ponds, Pools of Liquid, or Lagoons

A pond, approximately 0.5 acre in size, was observed on the northern portion of the Site at the time of the reconnaissance. There were no indications of contamination, such as sheens or dumping, observed in association with the pond.

5.2.3 Stained or Corroded Surfaces

No stained soil, pavement, or interior building surfaces were observed at the time of our reconnaissance.

5.2.4 Solid Waste Disposal

At the time of the reconnaissance, no indications of waste disposal areas, fill, mounds, depressions, burn pits or disturbed areas were observed that were suggestive of the presence of buried debris or other solid waste disposal.

5.2.5 Stressed Vegetation

No areas of stressed, discolored, stained or dead vegetation beyond what would be expected due to seasonal conditions were observed at the time of the Site reconnaissance.

5.2.6 Hazardous Substances and Petroleum Products

No indications of current and/or historical use, storage, staining, or spills of hazardous substances or petroleum products were observed at the Site at the time of the reconnaissance.

5.2.7 Storage Tanks

No indications of ASTs/USTs were noted at the Site at the time of the reconnaissance.

5.2.8 Drums and Unidentified Substance Containers

No labeled drums or drums containing unidentified substances suspected of being a hazardous substance or petroleum product were observed at the Site at the time of our reconnaissance.

5.2.9 Odors

No strong, pungent, or noxious odors were noted at the time of the Site reconnaissance.

5.2.10 Potential PCB-Containing Electrical and Hydraulic Equipment

No indications of potential PCB-containing electrical or hydraulic equipment were noted at the Site at the time of the reconnaissance.

5.2.11 Wastewater Discharges

No process wastewater was observed during the Site reconnaissance.

5.2.12 Sewage Disposal System

At the time of the reconnaissance, no indications of a sewage disposal system were observed.

5.2.13 Wells

No indications of wells such as monitoring wells, dry wells, irrigation wells, injection wells, abandoned wells, or other non-potable wells were observed at the Site at the time of the reconnaissance.

5.2.14 Potable Water Supply

At the time of the reconnaissance, no indications of potable water supply were observed.

5.2.15 Additional On-Site Observations

Yellow flags, indicating the presence of a buried gas distribution line, were observed parallel to County Road 16A along the northeastern boundary of the Site.

5.3 Current and Past Use of Adjoining Properties and Surrounding Area

The area reconnaissance was performed to assist in determining whether land use on the adjacent or nearby properties may have features, activities, uses, or conditions that indicate the presence of RECs. The area was toured by foot and automobile from public rights-of-way. The properties surrounding the Site are as follows:

Direction	Property Use
Northeast	County Road 16A with active construction beyond
Southeast	State Road 16 with residential properties beyond
East	Active construction site with the intersection of County Road 16A and State Road 16 beyond
Southwest	Pastureland
Northwest	A residential property and Wades Creek with a residential neighborhood beyond

No obvious indications of environmental concern were noted on adjoining properties at the time of the reconnaissance. No monitoring wells associated with the west-adjacent Silvex cleanup site were observed.

6.0 Interviews

The objective of interviews is to obtain information indicating RECs in connection with the Site. Interviews with past and present owners, operators, and occupants of the property, consisted of questions asked in an attempt to obtain information about current and past uses and conditions of the Site.

6.1 Site Representatives

No Site representatives were available for interview.

6.2 Site Occupants

The Site is vacant.

6.3 Local Government Officials

Braun Intertec contacted representatives of local government agencies to obtain information relevant to the identification of RECs on the Site. We did not interview local government officials in person; however, we submitted written requests for information via letter or electronic media; information obtained from the inquiry is provided in Section 4.2.5 of this report.

6.4 Others

No additional persons were interviewed as part of the assessment.

7.0 Data Gaps

Data gaps, which result from a lack of or inability to obtain information required by this practice despite good faith efforts, may include limiting conditions such as client imposed constraints; physical obstructions that may have limited observations of the Site or surrounding area; physical constraints such as snow, rain or other weather conditions; and data failures which result from a failure to achieve the historical research objectives of developing a history of the previous uses of the Site, adjoining properties, and surrounding area.

No data gaps were identified as part of this Phase I ESA with the following exception:

- Interviews with the knowledgeable Site representatives or neighbors were not available.

The identified data gaps did not affect the EP's ability to render opinions regarding conditions indicative of a release or threatened release and are unlikely to alter the report findings.

8.0 Findings and Opinions

According to the User, the Phase I ESA was conducted in association with the acquisition and proposed redevelopment of the Site. Opinions expressed herein are influenced by the stated reason for conducting the Phase I ESA. Furthermore, the expressed opinions might not be applicable to alternate reasons for reliance on the content of the Phase I ESA. The findings include identified features, activities, uses, and conditions that may indicate the presence or likely presence of hazardous substances or petroleum products at the Site; and include a discussion of significant data gaps, if any. The following findings are based on the results of our assessment:

- The Site consists of a fenced-in, irregular-shaped parcel totaling approximately 19.3 acres that is currently used as pastureland with a small pond present. The Site has been used for agricultural purposes (cultivated cropland or pastureland) since at least 1942. It is our opinion that the use of the Site as cultivated cropland and pastureland does not represent a REC.

- The surrounding properties have historically been a mix of undeveloped land or agricultural land with some farmsteads present in the surrounding area. A commercial facility (Silvex) was formerly located to the west. The surrounding uses are currently primarily residential with new development occurring to the north and northeast. A farmstead (Wolfe Ranch) remains located approximately 650 feet to the east. A petroleum release was reported in association with Wolfe Ranch that was investigated to the satisfaction of the Florida Department of Environmental Protection (FDEP). Based on a review of regulatory information, no petroleum contaminants of concern at or above target levels were detected in soils or groundwater and the groundwater gradient was determined to be toward the southeast, away from the Site.

  The Silvex facility was the location of a documented release of waste solvents associated with incinerated x-ray film that occurred in the early 1980s. Based on a review of regulatory information, contaminants of concern (including TCE, vinyl chloride, and 1,4-dioxane) exceed regulatory limits in the lower surficial aquifer and investigations are ongoing. However, the groundwater gradient in two impacted aquifers (upper and lower) has been established to flow to the southwest, away from the Site, and a sample collected from the well closest to the Site in 2020 had non-detectable concentrations of TCE and vinyl chloride with the 1,4-dioxane concentration below the regulatory standard. Based on the available information, it is our opinion that the current and former off-site uses and the reported releases do not represent a REC in connection with the Site.

9.0 Conclusions

Braun Intertec has performed a Phase I ESA of the Site in general conformance with the scope and limitations of ASTM E1527-21, of the approximately 19.3-acre property located at 6351 CR-16A in St. Augustine, Florida. Any exceptions to, or deletions from, this practice are described in Section 1.4.

This assessment has revealed no RECs, CRECs, or significant data gaps in connection with the Site.

10.0 Environmental Professional Statement

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. We have developed and performed the AAI in conformance with the standards and practices set forth in 40 CFR Part 312. Qualifications of the environmental professional and personnel who completed the ESA are presented in Appendix L.

Sincerely,

BRAUN INTERTEC SOUTHEAST, LLC

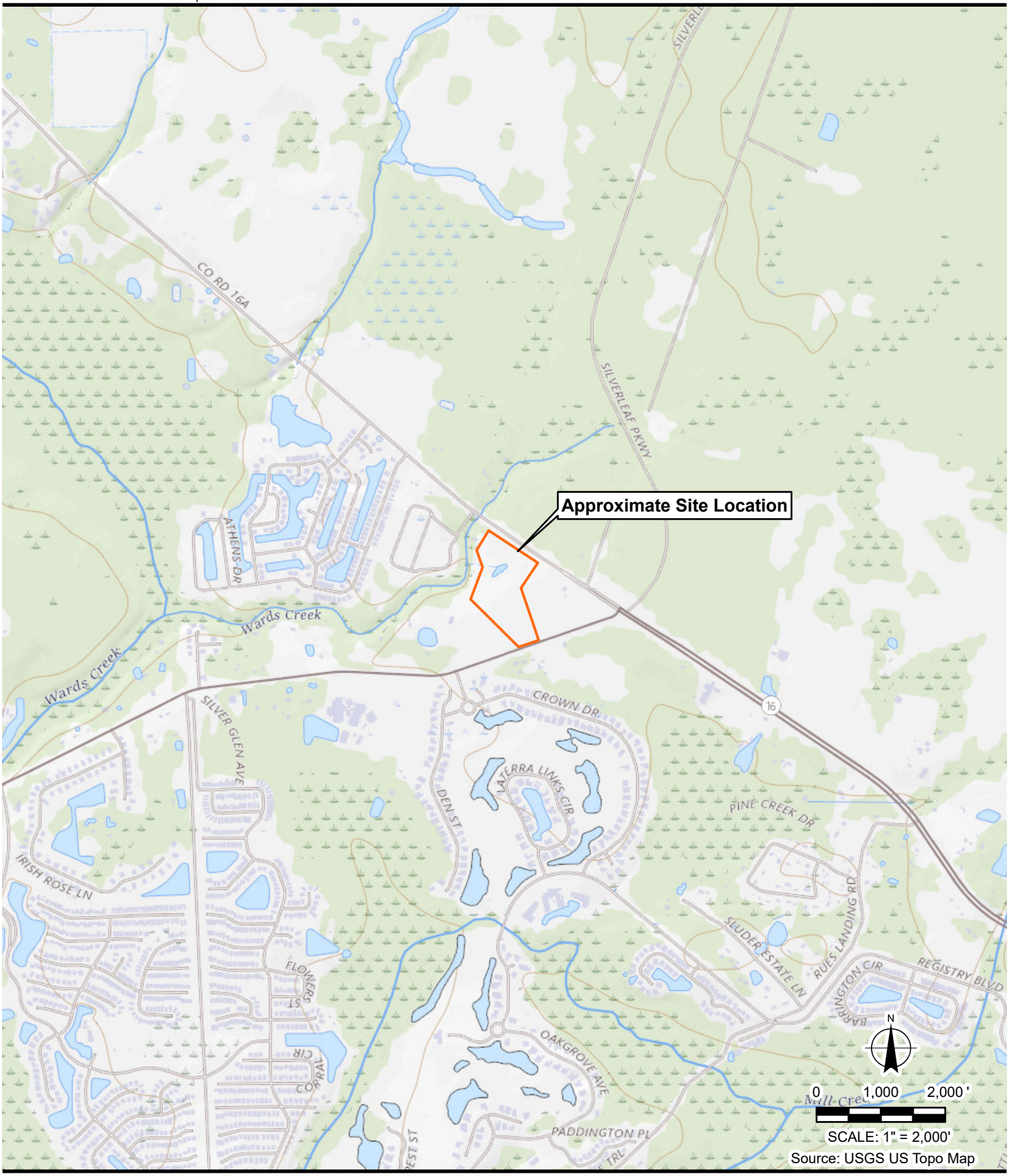
Mackenzie Benton
Environmental Scientist

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

Ross Tucker, PG (AL, GA, KS, TX)
Project Scientist

Figures

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BRAUN INTERTEC
The Science You Build On.

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Project No: B2304843

Drawing No: Fig1_SiteLocation

Drawn By:	MMH
Date Drawn:	6/26/2023
Checked By:	MB
Last Modified:	6/26/2023

St. Augustine Affordable Housing Development

6351 CR-16A
St. Johns County Parcel #0279810000

Saint Augustine, Florida

Site Location Map

Figure 1

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200 0 400

SCALE: 1"=400'

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St. Augustine Affordable Housing Development

6351 CR-16A
St. Johns County Parcel #0279810000

Saint Augustine, Florida

Site Layout

Figure 2

Appendix A

Definitions

Definitions

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

Adjoining Properties – Any real property or properties the border of which is contiguous or partially contiguous with that of the subject property, or that would be contiguous or partially contiguous with that of the subject property but for a street, road, or other public thoroughfare separating them.

Bona Fide Prospective Purchaser Liability Protection – A person may qualify as a bona fide prospective purchaser if, among other requirements, such person made "all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices." Knowledge of contamination resulting from all appropriate inquiries would not generally preclude this liability protection. A person must make all appropriate inquiries on or before the date of purchase. The facility must have been purchased after January 11, 2002.

Business Environmental Risk – A risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigation in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations.

Contiguous Property Owner Liability Protection – A person may qualify for the contiguous property owner liability protection if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substances from other real property that is not owned by that person. Furthermore, such person conducted all appropriate inquiries at the time of acquisition of the subject property and did not know or have reason to know that the subject property was or could be contaminated by a release or threatened release from the contiguous property. The all appropriate inquiries must not result in knowledge of contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the contiguous property owner liability protection. See Appendix X1 (of ASTM E1527-21) for the other necessary requirements that are beyond the scope of this practice.

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

Data Failure – A failure to achieve the historical research objectives in 8.3.1 (of ASTM E1527-21) even after reviewing the standard historical sources in 8.3.4.1 through 8.3.4.8 (of ASTM E1527-21) that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

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

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

Hazardous Substance – A substance defined as a hazardous substance pursuant to CERCLA 42 U.S.C.§9601(14), as interpreted by EPA regulations and the courts:"(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C.§6901 et seq.) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 U.S.C. §7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)."

Hazardous Waste – Any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901-6992k) has been suspended by Act of Congress). RCRA is sometimes also identified as the Solid Waste Disposal Act. RCRA defines a hazardous waste, at 42 U.S.C. §6903, as: "a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may– (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."

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

Innocent Landowner – A person may qualify as one of three types of innocent landowners: (1) a person who "did not know and had no reason to know" that contamination existed on the subject property at the time the purchaser acquired the subject property; (2) a government entity which acquired the subject property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (3) a person who "acquired the facility by inheritance or bequest." To qualify for the innocent landowner defense, such person must have made all appropriate inquiries on or before the date of purchase. Furthermore, the all appropriate inquiries must not have resulted in knowledge of the contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the innocent landowner defense. See Appendix X1 (of ASTM E 1527-21) for the other necessary requirements that are beyond the scope of this practice.

Key Site Manager – The person identified by the owner or operator of a subject property as having good knowledge of the uses and physical characteristics of the subject property.

Landowner Liability Protections (LLPs) – A defense to CERCLA available to bona fide prospective purchasers, contiguous property owners, and innocent landowners See 42 U.S.C. §§9601(35)(A), 9601(40), 9607(b), 9607(q), 9607®.

Material Threat – Obvious threat which is likely to lead to a release and that, in the opinion of the environmental professional, would likely result in the impact to public health or the environment.

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

Property Use Limitation – Limitation or restriction on current or future use of a property in connection with a response to a release, in accordance with the applicable regulatory authority or authorities that allows hazardous substances or petroleum products to remain in place at concentrations exceeding unrestricted use criteria.

Recognized Environmental Condition (REC) – (1) The presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. For the purposes of this definition, "likely" is that which is neither certain nor proved but can be expected or believed by a reasonable observer based on the logic and/or experience of the environmental professional, and/or available evidence, as stated in the report to support the opinions given herein.

Significant Data Gap – A data gap that affects the ability of the environmental professional to identify a recognized environmental condition.

Appendix B

User Questionnaire and User-Provided Documents

BRAUN INTERTEC

BRAUN INTERTEC
The Science You Build On.

Braun Intertec Southeast, LLC
11001 Hampshire Avenue S
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

ASTM Practice E1527-21 User Questionnaire

Site: Proposed St. Augustine Affordable Housing Development
St. Johns County Parcel #0279810000
6351 CR-16A
St. Augustine, Florida

Name: Thomas Williams **Date:** 6/29/23

Company: Dominium

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2002 (the "Brownfields Amendment"), the User must conduct the following inquiries. The User should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

(1) Environmental cleanup liens that are filed or recorded against the property.
The types of title reports that may disclose environmental liens include Preliminary Title Reports, Title Commitments, Condition of Title, and Title Abstracts. Chain-of-title reports will not normally disclose environmental liens. Did a search of *recorded land title records* (or judicial records where appropriate) identify any environmental cleanup liens filed or recorded against the *property* under federal, tribal, state or local law?

- No.

(2) Activity and use limitations (AULs) that are in place on the property or that have been filed or recorded against the property.
The types of title reports that may disclose AULs include Preliminary Title Reports, Title Commitments, Condition of Title, and Title Abstracts. Chain-of-title reports will not normally disclose AULs. Did a search of *recorded land title records* (or judicial records where appropriate) identify any AULs, such as *engineering controls*, land use restrictions, or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law?

- No.

(3) Specialized knowledge or experience of the person seeking to qualify for the LLP.
Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

- No.

(4) Relationship of the purchase price to the fair market value of the property if it were not contaminated.
Does the purchase price being paid for this *property* reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

- Yes.

(5) Commonly known or reasonably ascertainable information about the property.
Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example,

(a) Do you know the past uses of the *property*? If so, please explain.
- Yes, cow pasture.

(b) Do you know of specific chemicals that are present or once were present at the *property*? If so, please explain.
- No.

(c) Do you know of spills or other chemical releases that have taken place at the *property*? If so, please explain.
- No.

(d) Do you know of any environmental cleanups that have taken place at the *property*? If so, please explain.
- No.

(6) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation.
Based on your knowledge and experience related to the *property*, are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*? If so, please explain.

- No, there does not seem to be any obvious indicators that point to the presence, or likely presence, of contamination at the property.

Appendix C

County Property Information

BRAUN INTERTEC

St. Johns County, FL

Apply for Exemptions

Apply for Exemptions

Sales Questionnaire Form

If you are a new owner of this property, please click here to submit a Sales Questionnaire

Sales Questionnaire

2022 TRIM Notice

2022 TRIM Notice (PDF)

Summary

Clicking Image Opens Cyclomedia Viewer In a New Tab



Parcel ID	0279810000
Location	6351 COUNTY ROAD 16A
Address	SAINT AUGUSTINE 32092-0000
Neighborhood	M&B SR16A/Silverleaf Dev area (SF) (6330)
Tax Description*	5-1 ANTONIO HUERTAS GRANT SUB ALL S1/2 OF SUB SEC 5 (EX SW 1/4 OF SW1/4) LYING N OF SR 16 & SW OF CR 16A (EX 272 X 160FT & OR649/107 109 111 & 656/2033 & EX TRI PT IN OR1603/1424) & VACATED BRIDLE RIDGE SUB (EX ANY PT REZONED PUD BY SJC ORD#2010-42 IN OR3375/466) OR579/788 & 5719/1594 *The Description above is not to be used on legal documents.
Property Use Code	Grazing Class 3 (6200)
Subdivision	N/A
Sec/Twp/Rng	38-6-28
District	County (District 300)
Millage Rate	12.7978
Acreage	19.300
Homestead	N

Owner Information

Owner Name	Bull Pasture LLC 100%
Mailing Address	4175 STATE ROAD 16 SAINT AUGUSTINE, FL 32092-0000

Map



Valuation Information

	2023
Building Value	$0
Extra Features Value	$0
Total Land Value	$424,600
Agricultural (Assessed) Value	$7,816
Agricultural (Market) Value	$424,600
Just (Market) Value	**$7,816**
Total Deferred	$0
Assessed Value	**$7,816**
Total Exemptions	$0
Taxable Value	**$7,816**

Values listed are from our working tax roll and are subject to change.

Historical Assessment Information

Year	Building Value	Extra Feature Value	Total Land Value	Ag (Market) Value	Ag (Assessed) Value	Just (Market) Value	Assessed Value	Exempt Value	Taxable Value
2022	$0	$0	$424,600	$424,600	$7,816	$7,816	$7,816	$0	$7,816
2021	$0	$0	$424,600	$424,600	$7,816	$7,816	$7,816	$0	$7,816
2020	$0	$0	$424,600	$424,600	$7,816	$7,816	$7,816	$0	$7,816
2019	$0	$0	$424,600	$424,600	$7,816	$7,816	$7,816	$0	$7,816
2018	$0	$0	$424,600	$424,600	$7,816	$7,816	$7,816	$0	$7,816
2017	$0	$0	$424,600	$424,600	$7,816	$7,816	$7,816	$0	$7,816
2016	$0	$0	$241,250	$241,250	$7,816	$7,816	$7,816	$0	$7,816
2015	$0	$0	$241,250	$241,250	$7,816	$7,816	$7,816	$0	$7,816
2014	$0	$0	$241,250	$241,250	$8,202	$8,202	$8,202	$0	$8,202
2013	$0	$0	$241,250	$241,250	$8,202	$8,202	$8,202	$0	$8,202
2012	$0	$0	$241,250	$241,250	$9,071	$9,071	$9,071	$0	$9,071
2011	$0	$0	$347,400	$347,400	$8,299	$8,299	$8,299	$0	$8,299
2010	$0	$0	$616,000	$616,000	$12,166	$12,166	$12,166	$0	$12,166

Land Information

Use Description	Front	Depth	Total Land Units	Unit Type	Land Value
Improved Pasture	0	0	19.3	AC	$7,816
Market Ag Uplands	0	0	19.3	AC	$424,600

Sale Information

Recording Date	Sale Date	Sale Price	Instrument Type	Book	Page	Qualification	Vacant/Improved	Grantor	Grantee
3/7/2023	3/6/2023	$100.00	WARRANTY DEED	5719	1594	U	V	ROBERTS ALLAN & CAMILLA	BULL PASTURE LLC
11/4/2014	10/31/2014	$0.00	COVENANTS AND RESTRICTIONS	3950	18	U	V	ROBERTS ALLAN & CAMILLA	
	3/27/2001	$0.00	RESOLUTION	1586	1198	U	V	SJC RESOLUTION VACATING BRIDLE RIDGE	
	4/1/1983	$142,000.00		579	788	Q	I		ROBERTS ALLAN B,CAMILLA J
	1/1/1977	$102,000.00		359	41	U	V		

No data available for the following modules: Exemption Information, Building Information, Sketch Information, Extra Feature Information.

The St. Johns County Property Appraiser's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation.
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GDPR Privacy Notice

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Last Data Upload: 6/8/2023, 11:40:21 PM

Version 3.1.13

Appendix D

References

References

ASTM International, ASTM Standard E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, 2021. www.astm.org.

The Florida Department of Environmental Protection "Oculus" website: https://depedms.dep.state.fl.us/Oculus/servlet/

The Florida Department of Health Well Surveillance Mapping Site: https://gis.floridahealth.gov/ehwater/

ERIS, Regulatory and historical source references, June 2023

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey: http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm.

United States Environmental Protection Agency, 40 CFR Part 312 *Standards and Practices for All Appropriate Inquiries*, Final Rule, Vol. 70, No. 210, Tuesday, November 1, 2005, Rules and Regulations.

Appendix E

Environmental Database Report

BRAUN INTERTEC

DATABASE REPORT

Project Property:	*St. Augustine Affordable Housing Development* *6351 County Road 16a* *St. Augustine FL 32092*
Project No:	*B2304843*
Report Type:	*Database Report*
Order No:	*23060700318*
Requested by:	*Braun Intertec Corporation*
Date Completed:	*June 12, 2023*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:	*St. Augustine Affordable Housing Development* *6351 County Road 16a St. Augustine FL 32092*
Project No:	*B2304843*
Coordinates:	
Latitude:	*29.97666312*
Longitude:	*-81.51671733*
UTM Northing:	*3,316,311.75*
UTM Easting:	*450,151.81*
UTM Zone:	*UTM Zone 17R*
Elevation:	*24 FT*

Order Information:

Order No:	*23060700318*
Date Requested:	*June 7, 2023*
Requested by:	*Braun Intertec Corporation*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (with Project Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

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

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

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

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

Additional Environmental Records

Federal

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

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
PRIORITYCLEAN	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
HISTORICAL DRYC	Y	0.25	0	0	0	-	-	0
SPILLS	Y	0.125	0	0	-	-	-	0
DWM CONTAM	Y	0.5	0	**1**	**2**	0	-	**3**
DEL CONTAM SITE	Y	0.5	0	0	0	0	-	0
PFAS AFFF	Y	0.5	0	0	0	0	-	0
PFAS	Y	0.5	0	**1**	0	0	-	**1**
GW CONTAM	Y	0.125	0	**1**	-	-	-	**1**
UIC	Y	PO	0	-	-	-	-	0
WELL SURVEILLANCE	Y	0.25	0	0	**3**	-	-	**3**
CDV SOUTHEAST	Y	0.5	0	0	0	0	-	0
TIER 2	Y	0.125	0	0	-	-	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental databases were selected to be included in the search.***							
Total:			*0*	***10***	***11***	***2***	*0*	***23***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	GW CONTAM		FL	WSW	0.05 / 262.50	-2	20
2	LST	WOLFE RANCH	6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL 32092	E	0.11 / 572.05	1	20
			Facility ID | Facility Status: 8631076 | OPEN ***Cleanup Required:*** R - CLEANUP REQUIRED				
2	UST	WOLFE RANCH	6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL 32092	E	0.11 / 572.05	1	22
			Facility ID | Facility Status: 8631076 | OPEN ***Tank Status | Status Date:*** B - REMOVED FROM SITE | 31-DEC-1989, B - REMOVED FROM SITE | 31-DEC-1989, B - REMOVED FROM SITE | 31-DEC-1989, B - REMOVED FROM SITE | 31-DEC-1989, B - REMOVED FROM SITE | 31-DEC-1989				
2	AST	WOLFE RANCH	6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL 32092	E	0.11 / 572.05	1	23
			Facility ID | Facility Status: 8631076 | OPEN ***Tank Status | Status Date:*** B - REMOVED FROM SITE | 01-MAY-2001, U - IN SERVICE | , B - REMOVED FROM SITE | 01-MAY-2001, U - IN SERVICE | 01-MAY-2001				
2	STCS	WOLFE RANCH	6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL 32092	E	0.11 / 572.05	1	24
			Facility ID | Fac Stat(OpenData): 8631076 | OPEN				
2	DWM CONTAM	WOLFE RANCH	6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL	E	0.11 / 572.05	1	27
3	PFAS	Silvex	SR 16, 1 mile west of International Golf Parkway St Augustine FL 33762	WSW	0.12 / 659.96	-4	28
4	CLEANUP DEP	Silvex	SR 16, 1 mile west of International Golf Parkway St Augustine FL 33762-4734	WSW	0.12 / 659.97	-4	28
4	ERIC	Florida DEP HWCS Silvex Rem Site	SR 16, 1 mile west of International Golf Parkway St Augustine FL 33762	WSW	0.12 / 659.97	-4	29
5	SHWS	Silvex	SR 16, 1 mile west of International Golf Parkway St Augustine FL ***Status:*** OPEN	WSW	0.12 / 659.97	-4	29
6	LST	WOLFE RANCH SITE #2	6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL 32092	ESE	0.14 / 755.12	1	30
			Facility ID | Facility Status: 9803487 | OPEN ***Cleanup Required:*** R - CLEANUP REQUIRED				
6	WELL SURVEILLANCE	WOLFE RANCH 2	6260 SR 16A AND 16 ST. AUGUSTINE FL 32092	ESE	0.14 / 755.12	1	32

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
6	WELL SURVEILLANCE	WOLFE RANCH 1	6260 SR 16A AND 16 ST. AUGUSTINE FL 32092	ESE	0.14 / 755.12	1	32
6	WCRPS	WOLFE RANCH SITE	6260 HIGHWAY16A & SR 16 SAINT AUGUSTINE FL	ESE	0.14 / 755.12	1	32
6	UST	WOLFE RANCH SITE #2	6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL 32092	ESE	0.14 / 755.12	1	33
			Facility ID | Facility Status: 9803487 | OPEN ***Tank Status | Status Date:*** B - REMOVED FROM SITE | 09-JAN-2001, B - REMOVED FROM SITE | 09-JAN-2001				
6	AST	WOLFE RANCH SITE #2	6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL 32092	ESE	0.14 / 755.12	1	34
			Facility ID | Facility Status: 9803487 | OPEN ***Tank Status | Status Date:*** T - OUT OF SERVICE | 01-JUL-1990, T - OUT OF SERVICE | 01-JAN-2001				
6	ERIC	Wolfe Ranch RAF	6260 HIGHWAY16A & SR 16 SAINT AUGUSTINE FL 32092	ESE	0.14 / 755.12	1	34
6	DWM CONTAM	WOLFE RANCH SITE	6260 HIGHWAY16A & SR 16 SAINT AUGUSTINE FL	ESE	0.14 / 755.12	1	35
6	STCS	WOLFE RANCH SITE #2	6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL 32092	ESE	0.14 / 755.12	1	35
			Facility ID | Fac Stat(OpenData): 9803487 | OPEN				
6	DWM CONTAM	WOLFE RANCH SITE #2	6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL	ESE	0.14 / 755.12	1	37
7	WELL SURVEILLANCE		6540 SR 16 ST. AUGUSTINE FL 32092	WSW	0.23 / 1,205.53	-4	38
8	WCRPS	SILVEX CORP (AKA WRAY, ROBERT)- STATE FUNDED	SR 16, 8 MI WEST OF I95 ST AUGUSTINE FL	WSW	0.36 / 1,923.08	-5	38
9	ERIC	Silvex Corp	SR 16, 8 MI WEST OF I95 ST AUGUSTINE FL 0	WSW	0.36 / 1,923.12	-5	39

Executive Summary: Summary by Data Source

Standard

State

SHWS - Superfund Waste Cleanup & State-Funded Action Sites

A search of the SHWS database, dated Mar 16, 2023 has found that there are 1 SHWS site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Silvex	SR 16, 1 mile west of International Golf Parkway St Augustine FL ***Status**: OPEN*	WSW	0.12 / 659.97	5

ERIC - ERIC Waste Cleanup

A search of the ERIC database, dated May 8, 2023 has found that there are 3 ERIC site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Wolfe Ranch RAF	6260 HIGHWAY16A & SR 16 SAINT AUGUSTINE FL 32092	ESE	0.14 / 755.12	6

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Florida DEP HWCS Silvex Rem Site	SR 16, 1 mile west of International Golf Parkway St Augustine FL 33762	WSW	0.12 / 659.97	4
Silvex Corp	SR 16, 8 MI WEST OF I95 ST AUGUSTINE FL 0	WSW	0.36 / 1,923.12	9

CLEANUP DEP - Florida Department of Environmental Protection Cleanup Sites

A search of the CLEANUP DEP database, dated Feb 22, 2023 has found that there are 1 CLEANUP DEP site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Silvex	SR 16, 1 mile west of International Golf Parkway St Augustine FL 33762-4734	WSW	0.12 / 659.97	4

WCRPS - Waste Cleanup Responsible Party Sites

A search of the WCRPS database, dated Apr 11, 2021 has found that there are 2 WCRPS site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WOLFE RANCH SITE	6260 HIGHWAY16A & SR 16 SAINT AUGUSTINE FL	ESE	0.14 / 755.12	6

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SILVEX CORP (AKA WRAY, ROBERT)- STATE FUNDED	SR 16, 8 MI WEST OF I95 ST AUGUSTINE FL	WSW	0.36 / 1,923.08	8

LST - Leaking Tanks

A search of the LST database, dated Mar 23, 2023 has found that there are 2 LST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WOLFE RANCH	6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL 32092	E	0.11 / 572.05	2
	***Facility ID | Facility Status**: 8631076 | OPEN* ***Cleanup Required**: R - CLEANUP REQUIRED*			
WOLFE RANCH SITE #2	6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL 32092	ESE	0.14 / 755.12	6
	***Facility ID | Facility Status**: 9803487 | OPEN* ***Cleanup Required**: R - CLEANUP REQUIRED*			

UST - Underground Storage Tanks

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

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WOLFE RANCH	6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL 32092	E	0.11 / 572.05	2
	***Facility ID | Facility Status**: 8631076 | OPEN* ***Tank Status | Status Date**: B - REMOVED FROM SITE | 31-DEC-1989, B - REMOVED FROM SITE | 31-DEC-1989, B - REMOVED FROM SITE | 31-DEC-1989, B - REMOVED FROM SITE | 31-DEC-1989, B - REMOVED FROM SITE | 31-DEC-1989*			
WOLFE RANCH SITE #2	6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL 32092	ESE	0.14 / 755.12	6
	***Facility ID | Facility Status**: 9803487 | OPEN* ***Tank Status | Status Date**: B - REMOVED FROM SITE | 09-JAN-2001, B - REMOVED FROM SITE | 09-JAN-2001*			

AST - Aboveground Storage Tanks

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

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WOLFE RANCH	6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL 32092	E	0.11 / 572.05	2
	***Facility ID | Facility Status**: 8631076 | OPEN* ***Tank Status | Status Date**: B - REMOVED FROM SITE | 01-MAY-2001, U - IN SERVICE | , B - REMOVED FROM*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	*SITE	01-MAY-2001, U - IN SERVICE	01-MAY-2001*			
WOLFE RANCH SITE #2	6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL 32092	ESE	0.14 / 755.12	6
	***Facility ID	Facility Status**: 9803487	OPEN* ***Tank Status	Status Date**: T - OUT OF SERVICE	01-JUL-1990, T - OUT OF SERVICE	01-JAN-2001*		

STCS - Storage Tank/Contaminated Facility Search

A search of the STCS database, dated May 12, 2023 has found that there are 2 STCS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WOLFE RANCH	6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL 32092	E	0.11 / 572.05	2
	***Facility ID	Fac Stat(OpenData)**: 8631076	OPEN*			
WOLFE RANCH SITE #2	6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL 32092	ESE	0.14 / 755.12	6
	***Facility ID	Fac Stat(OpenData)**: 9803487	OPEN*			

Non Standard

State

DWM CONTAM - Contaminated Sites

A search of the DWM CONTAM database, dated Oct 12, 2022 has found that there are 3 DWM CONTAM site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WOLFE RANCH	6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL	E	0.11 / 572.05	2
WOLFE RANCH SITE	6260 HIGHWAY16A & SR 16 SAINT AUGUSTINE FL	ESE	0.14 / 755.12	6
WOLFE RANCH SITE #2	6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL	ESE	0.14 / 755.12	6

PFAS - PFAS Investigation at Federal Facilities

A search of the PFAS database, dated May 24, 2023 has found that there are 1 PFAS site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Silvex	SR 16, 1 mile west of International Golf Parkway St Augustine FL 33762	WSW	0.12 / 659.96	3

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key

GW CONTAM - Ground Water Contamination Areas

A search of the GW CONTAM database, dated Jan 18, 2023 has found that there are 1 GW CONTAM site(s) within approximately 0.12 miles of the project property.

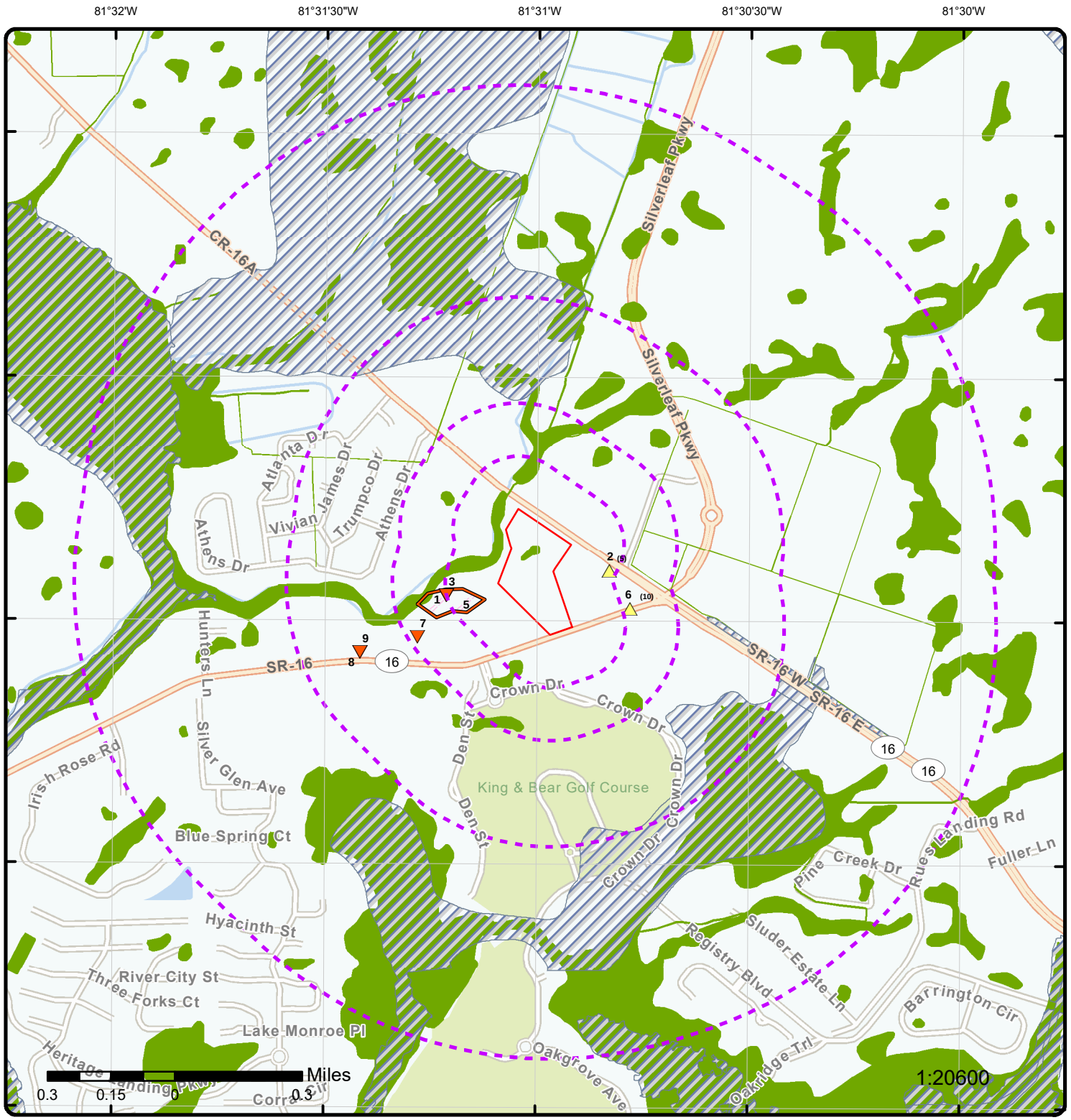
Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	FL	WSW	0.05 / 262.50	1

WELL SURVEILLANCE - Well Surveillance Program Facilities

A search of the WELL SURVEILLANCE database, dated Apr 25, 2023 has found that there are 3 WELL SURVEILLANCE site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WOLFE RANCH 2	6260 SR 16A AND 16 ST. AUGUSTINE FL 32092	ESE	0.14 / 755.12	6
WOLFE RANCH 1	6260 SR 16A AND 16 ST. AUGUSTINE FL 32092	ESE	0.14 / 755.12	6

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	6540 SR 16 ST. AUGUSTINE FL 32092	WSW	0.23 / 1,205.53	7



Map: 1.0 Mile Radius

Order Number: 23060700318

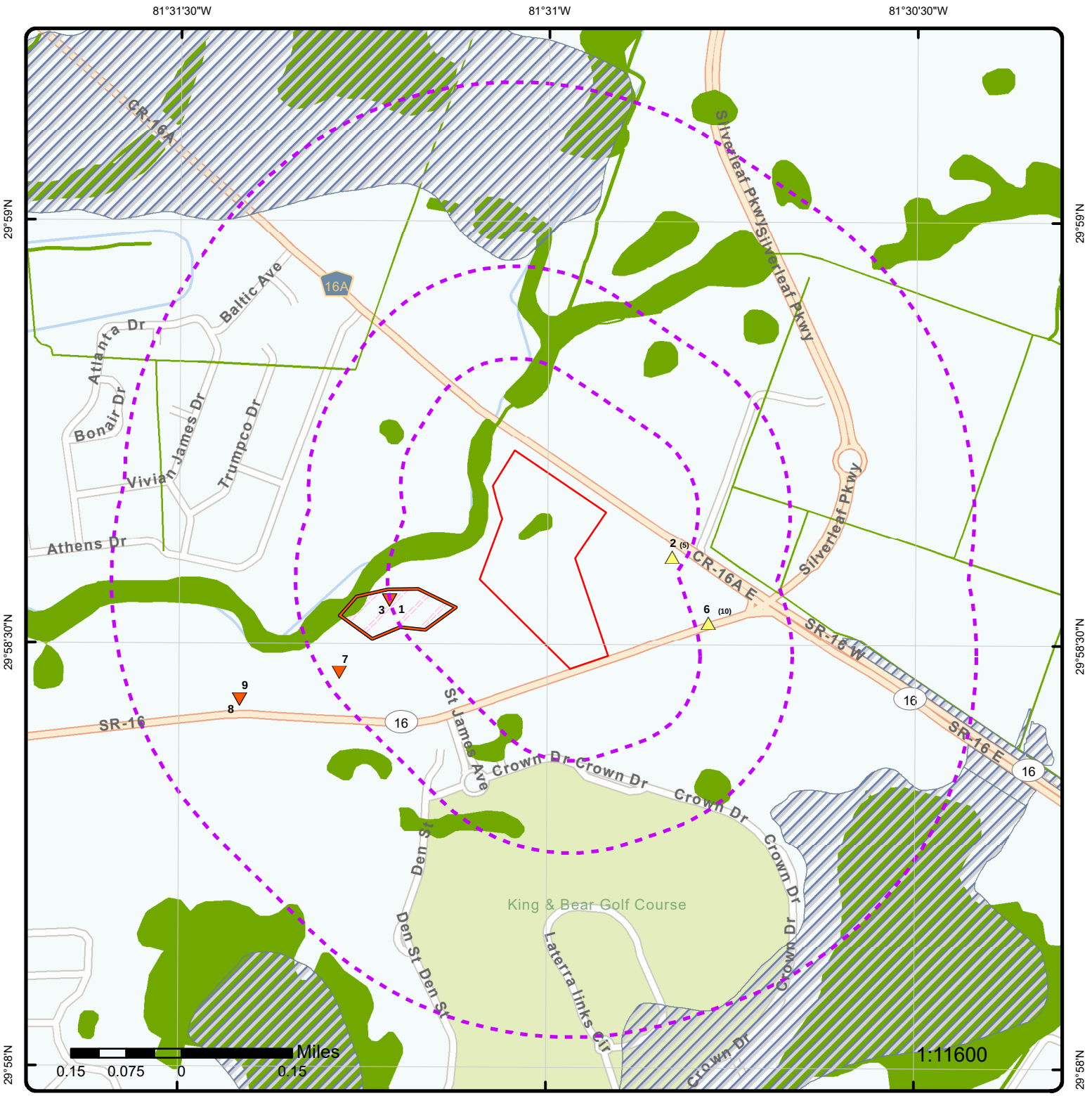
Address: 6351 County Road 16a, St. Augustine, FL

ERIS

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

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.5 Mile Radius

Order Number: 23060700318

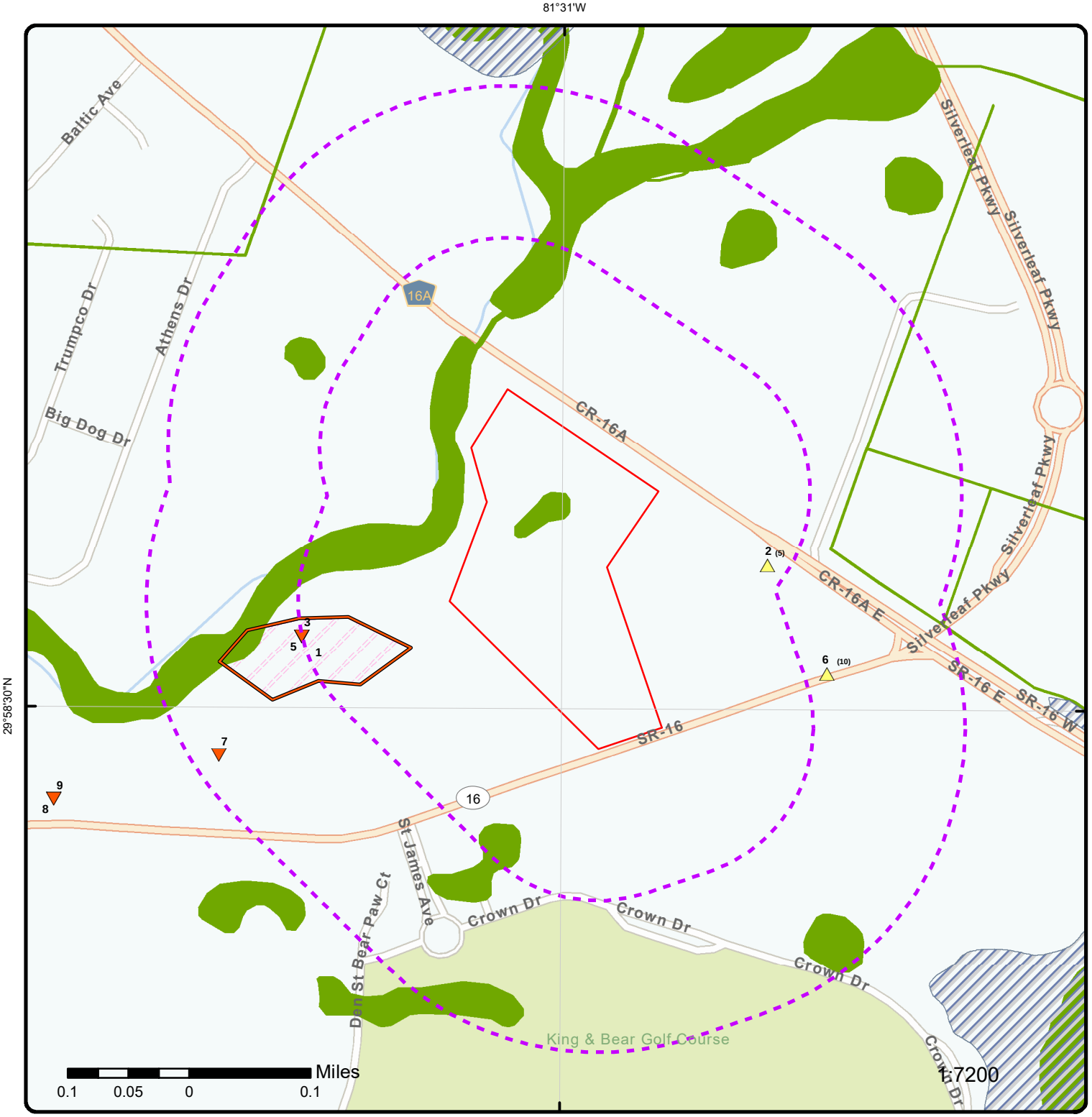
Address: 6351 County Road 16a, St. Augustine, FL

ERIS

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

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.25 Mile Radius

Order Number: 23060700318

Address: 6351 County Road 16a, St. Augustine, FL

ERIS

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

Source: © 2021 ESRI StreetMap Premium

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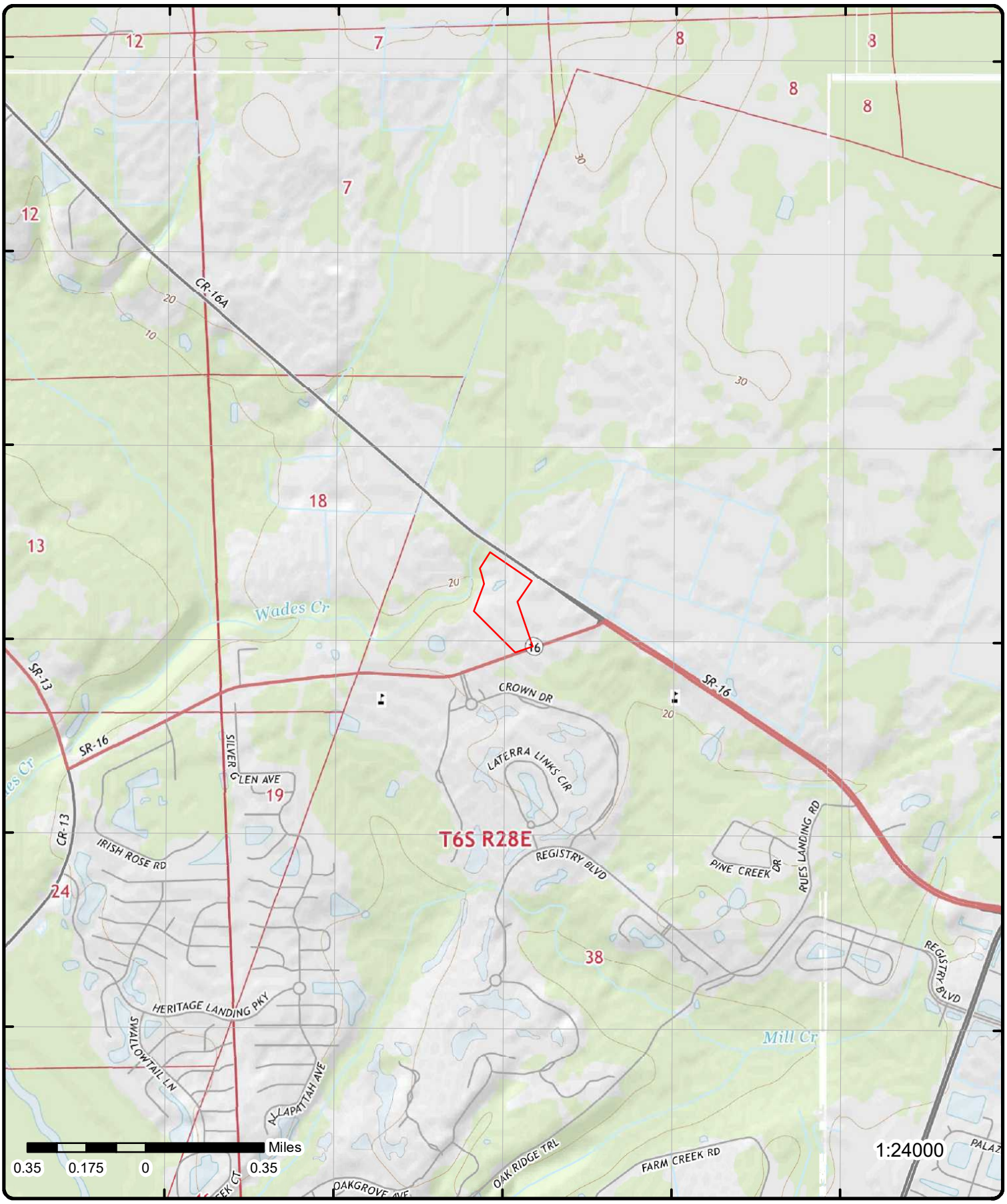
Aerial **Year: 2021**

Order Number: 23060700318

Address: 6351 County Road 16a, St. Augustine, FL

Source: ESRI World Imagery

© ERIS Information Inc.



Topographic Map

Year: 2015

Order Number: 23060700318

Address: 6351 County Road 16a, FL

Quadrangle(s): Durbin, FL; Picolata, FL; Orangedale, FL; Bakersville, FL

Source: USGS Topographic Map

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	WSW	0.05 / 262.50	21.67 / -2	FL	GW CONTAM

Zone ID: 55993078
Florida WMDS: SJRWMD
County Name: ST. JOHNS
USGS Quads: 4813
Contaminant Name: 01 - Arsenic; 03 - Cadmium; 04 - Chromium; 06 - Lead; 09 - Selenium; 10 - Silver; 19 - Trichloroethylene; 20 - Tetrachloroethylene; 23 - Trichloroethane-1,1,1; 25 - Benzene; 28 - Dichloroethylene-1,1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 5	E	0.11 / 572.05	25.26 / 1	WOLFE RANCH 6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL 32092	LST

Facility ID: 8631076
Facility Status: OPEN
Facility Type: M - Agricultural
Score:
Score Effctve Date:
Score when Ranked:
Rank:
Operator: DIANE ROSS
Prim Related Party: 24273
Primary RP Role: ACCOUNT OWNER
RP Begin Date: 12/24/1986
Phone: (904)522-0463
Name Changed:
Address Changed: 02/14/2001
Section: 005
Township: 006
Range: 028
District: NED
County: ST. JOHNS
County No: 55
Feature:
Method: AGPS
RP Name: WOLFE, VIRGIE P
RP Address1: PO BOX 1208
RP Address2:
RP City: SAINT AUGUSTINE
RP State: FL
RP Zip5: 32085
RP Zip4: 1208
Contact: NORMAN MOODY
RP Phone: (904)829-3540
RP Phone Ext.:
RP Bad Addr Ind: No
Facility Name (Map): WOLFE RANCH
Address (Map): 6260 HWY 16A & HWY 16
City (Map): SAINT AUGUSTINE
Zip5 (Map): 32092
Document L (Map): https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8631076/facility!search
Oculus Docs Inventory: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8631076&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8631076
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8631076/facility!search
Source: DEP; Storage Tanks & Contamination Monitoring, Discharge Info.; FDEP Open Data, Petroleum Contamination Monitoring (PCTS) Discharges (Map)

Datum: 0
Lat DD: 29
Lat MM: 58
Lat SS: 40.5048
Long DD: 81
Long MM: 30
Long SS: 46.4868
Facility T (Map): Agricultural
Facility S (Map): OPEN
County (Map): ST. JOHNS
Collection (Map): DPHO
Collector (Map): CARPENTER_K
Collecti 1 (Map): 1/29/2010
Datum (Map): HARN
Rel Feat (Map): EXACT
Geometry (Map):
Lat DD (Map): 29
Lat MM (Map): 58
Lat SS (Map):
Long DD (Map): 81
Long MM (Map): 30
Long SS (Map):

Discharge Cleanup Summary

Discharge Date:	01/22/2001
Cleanup Required:	R - CLEANUP REQUIRED
Discharge Cleanup Status:	SRCR - SRCR COMPLETE
Discharge Cleanup Stat Date:	12/17/2001
Eligibility Indicator:	I - INELIGIBLE
Site Manager:	DOHANEY_T
Site Manager End Date:	12/17/2001
Tank Office:	PCNED - NED CLEANUP & COMPLIANCE ASSURANCE PROGRAM

Contaminated Media

Contaminated Drinking Wells:	
Contaminated Mntring Wells:	
Contaminated Soil:	YES
Contaminated Surface Water:	
Contaminated Ground Water:	
Pollutant:	D - Vehicular Diesel
Other Description:	
Gallons Discharged:	

Task Info

SA Task ID:	67294	***SR Soil Treatment:***	
SA Cleanup Resp:	-	***SR Other Treatment:***	
SA Actual Cost:		***SR Alt Proc Rec:***	
SA Complete Date:		***RAP Task ID:***	
SA Payment Date:		***RAP Clean Resp ID:***	-
SR Task ID:		***RAP Actual Cost:***	
SR Cleanup Resp:	-	***RAP Complete Date:***	
SR Actual Cost:		***RAP Payment Date:***	
SR Complete Date:		***RAP Last Ord Appr:***	
SR Payment Date:		***RA Task ID:***	63416
SR Oral Date:		***RA Cleanup Resp:***	-
SR Written Date:		***RA Yrs to Complete:***	0
SR Soil Removal:		***RA Actual Cost:***	
SR Free Prod Rmvl:		***Tank Office:***	PCNED - Northeast District
SR Soil Ton Remove:			

SR Fund Elig Type:	-
SA Fund Elig Type:	-
RAP Fund Elig Type:	-
RA Fund Elig Type:	-
SR Alternate Procedure Status:	
SR Alt Procedure Status Dt:	
SR Alt Procedure Comment:	
SRC Action Type:	SRCR - SITE REHABILITATION COMPLETION REPORT
SRC Submit Date:	10-24-2001
SRC Review Date:	12-06-2001
SRC Complete Status:	A - APPROVED
SRC Comp Status Dt:	12-06-2001
SRC Issue Date:	12-17-2001
SRC Comments:	NFA APPROVED BY PCS.

Petroleum Cleanup PCT Facility Score

Related Party ID:	24273
RP Contact:	NORMAN MOODY
Facility Cleanup Status:	CMPL - COMPLETED
Bad Address Indicator:	N

Discharge Info (Map)

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

Discharge:	52856	**Eligibility:**	INELIGIBLE
Discharge 1:	22-Jan-2001	**Eligibility 1:**	
Discharge 2:	0	**Report Pha:**	COMPLETED
Discharge 3:	SRCR	**Report Sub:**	COMPLETED
General Cl:	CLOSURE	**Report S 1:**	17-Dec-2001
Disch Clea:	17-Dec-2001	**Staff Assi:**	
Tank Offic:	NED CLEANUP & COMPLIANCE ASSURANCE PROGRAM		

AST UST Discharges

Dep Co:	P	**Long SS:**	45
CU Req:	R	**CU Stat:**	
Score:		**Stat Desc:**	SRCR COMPLETE
Descrip:	CLEANUP REQUIRED	**Fac Name:**	WOLFE RANCH
Discharge Date:	22-JAN-01	**Fac Type:**	M
Score Date:		**Type Desc:**	Agricultural
Stat Date:	17-DEC-2001	**Fac Addr:**	6260 HWY 16A & HWY 16
LL Meth:	AGPS	**Fac City:**	SAINT AUGUSTINE
Lat DD:	29	**Fac Zip:**	32092
Lat MM:	57	**County:**	55
Lat SS:	1	**Fac State:**	OPEN
Long DD:	81	**Fac Phone:**	9045220463
Long MM:	31		
Prg Dsec:			

Ineligible Discharges

Discharge Date:	01/22/2001
Score:	
Current Status:	CLOSED
Facility:	WOLFE RANCH
Address:	6260 HWY 16A & HWY 16
City:	SAINT AUGUSTINE
Zip:	32092
County:	ST. JOHNS
Owner:	WOLFE, VIRGIE P
Owner Address:	PO BOX 1208
Ownercity:	SAINT AUGUSTINE
Owner State:	FL
Owner Zip:	32085
Owner Phone:	(904)829-3540
Owner Email:	

2	2 of 5	E	0.11 / 572.05	25.26 / 1	**WOLFE RANCH** **6260 HWY 16A & HWY 16** **SAINT AUGUSTINE FL 32092**	**UST**

Facility ID:	8631076	**County:**	ST. JOHNS
Facility Status:	OPEN	**Lat/Long Method:**	AGPS
Facility Type:	M	**Lat DD:**	29
Type Desc:	Agricultural	**Lat MM:**	57
Facility Phone:	9045220463	**Lat SS:**	1
Dep Co:	P	**Long DD:**	81
Owner ID:	24273	**Long MM:**	31
Owner Phone:	9048293540	**Long SS:**	45
Owner:	WOLFE, VIRGIE P		
Owner Address1:	PO BOX 1208		
Owner Address2:			
Owner City:	SAINT AUGUSTINE		
Owner State:	FL		
Owner Zip 5:	32085		
Contact:	NORMAN MOODY		
Source:	Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8631076&CAT=11		
Information Portal Fac URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8631076		

Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8631076/facility!search

Tank Information

Tank ID:	3	***Capacity:***	888
Tank Status:	B - REMOVED FROM SITE	***Substance:***	M - Fuel Oil - Onsite Heat
Status Date:	31-DEC-1989	***Placement:***	UNDERGROUND
Installation Date:		***Tank Vessel Indic:***	TANK
Tank Desc:			

Tank Information

Tank ID:	1	***Capacity:***	10000
Tank Status:	B - REMOVED FROM SITE	***Substance:***	B - Unleaded Gas
Status Date:	31-DEC-1989	***Placement:***	UNDERGROUND
Installation Date:	01-JUL-1945	***Tank Vessel Indic:***	TANK
Tank Desc:			

Tank Information

Tank ID:	2	***Capacity:***	560
Tank Status:	B - REMOVED FROM SITE	***Substance:***	A - Leaded Gas
Status Date:	31-DEC-1989	***Placement:***	UNDERGROUND
Installation Date:		***Tank Vessel Indic:***	TANK
Tank Desc:			

Tank Information

Tank ID:	5	***Capacity:***	888
Tank Status:	B - REMOVED FROM SITE	***Substance:***	M - Fuel Oil - Onsite Heat
Status Date:	31-DEC-1989	***Placement:***	UNDERGROUND
Installation Date:		***Tank Vessel Indic:***	TANK
Tank Desc:			

Tank Information

Tank ID:	4	***Capacity:***	888
Tank Status:	B - REMOVED FROM SITE	***Substance:***	A - Leaded Gas
Status Date:	31-DEC-1989	***Placement:***	UNDERGROUND
Installation Date:	01-NOV-1957	***Tank Vessel Indic:***	TANK
Tank Desc:			

---

2 | ***3 of 5*** | ***E*** | ***0.11 / 572.05*** | ***25.26 / 1*** | ***WOLFE RANCH***
6260 HWY 16A & HWY 16
SAINT AUGUSTINE FL 32092 | ***AST***

Facility ID:	8631076	***County:***	ST. JOHNS
Facility Status:	OPEN	***Lat/Long Method:***	AGPS
Facility Type:	M	***Lat DD:***	29
Type Desc:	Agricultural	***Lat MM:***	57
Facility Phone:	9045220463	***Lat SS:***	1
Dep Co:	P	***Long DD:***	81
Owner ID:	24273	***Long MM:***	31
Owner Phone:	9048293540	***Long SS:***	45
Owner:	WOLFE, VIRGIE P		
Owner Address1:	PO BOX 1208		
Owner Address2:			
Owner City:	SAINT AUGUSTINE		
Owner State:	FL		
Owner Zip 5:	32085		
Contact:	NORMAN MOODY		
Data Source:	Tank Facility - All Locations and Tank Information; Tank Facility - All Locations and Owner Information		

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

Oculus Docs Inventory URL: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=8631076&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=8631076
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8631076/facility!search

Tank Information

Tank ID: 7
Tank Status: B - REMOVED FROM SITE
Status Date: 01-MAY-2001
Installation Date: 01-JUL-1990
Content Desc: B - Unleaded Gas
Tank Desc:
Capacity: 1000
Placement: ABOVEGROUND
Tank Vessel Indic: TANK

Tank Information

Tank ID: 9
Tank Status: U - IN SERVICE
Status Date:
Installation Date: 01-JUL-1990
Content Desc: B - Unleaded Gas
Tank Desc:
Capacity: 500
Placement: ABOVEGROUND
Tank Vessel Indic: TANK

Tank Information

Tank ID: 6
Tank Status: B - REMOVED FROM SITE
Status Date: 01-MAY-2001
Installation Date: 01-JUL-1990
Content Desc: D - Vehicular Diesel
Tank Desc:
Capacity: 1000
Placement: ABOVEGROUND
Tank Vessel Indic: TANK

Tank Information

Tank ID: 8
Tank Status: U - IN SERVICE
Status Date: 01-MAY-2001
Installation Date: 01-JUL-1990
Content Desc: D - Vehicular Diesel
Tank Desc:
Capacity: 500
Placement: ABOVEGROUND
Tank Vessel Indic: TANK

2	4 of 5	E	0.11 / 572.05	25.26 / 1	WOLFE RANCH 6260 HWY 16A & HWY 16 SAINT AUGUSTINE FL 32092	STCS

Facility ID: 8631076
Type: M - Agricultural
Status: Open
County: ST. JOHNS
Fac Stat(OpenData): OPEN
Fac Code(OpenData): M
Fac Type(OpenData): Agricultural
Clnup Cd(OpenData): CMPL
Clnup Dt(OpenData): 2002/02/03
Status (Open Data): REVIEWED
City (Open Data): SAINT AUGUSTINE
Fac Name(Open Data): WOLFE RANCH
Address (Open Data): 6260 HWY 16A & HWY 16
Fac Cleanup Stat(Open Data): COMPLETED
Name (Map): WOLFE RANCH
Address (Map): 6260 HWY 16A & HWY 16
Zip5 (Open Data): 32092
CountyID(OpenData): 55
County (Open Data): ST. JOHNS
Contam (Map):
Fac Type (Map): Agricultural
Fac Stat (Map): OPEN
Status (Map): REVIEWED
City (Map): SAINT AUGUSTINE
County (Map): 55
Zip5 (Map): 32092
Zip4 (Map): 0

FDEP Storage Tank Monitoring Open Data Details

Object ID: 21519
X: -81.5129130000021
Y: 29.9779180000033
Map Src: 2004 DOQQs
Map Scale: 10
Elevation:

Regulated:	NO	**El Datum:**	
Col Meth:	DPHO	**El Resolut:**	
Col Name:	CARPENTER_K	**El Units:**	
Col Date:	29-Jan-2010	**ALB East:**	639668.78
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**ALB North:**	665846.78
Ver Meth:	DPHO	**Loc ID:**	10956
Ver Name:	CARPENTER_K	**Lat DD:**	29
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	58
Ver Date:	29-Jan-2010	**Lat SS:**	
OOIC:	FACILITY	**Long DD:**	81
Rel Feat:	EXACT	**Long MM:**	30
Datum:	HARN	**Long SS:**	
Coord Acc:	4		
Col Aff:	YORK STB		
Ver Aff:	YORK STB		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8631076/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	10956	**Rel Feat:**	EXACT
Site Type:	Agricultural	**El Datum:**	
Contam Ind:		**El Resolut:**	
Phone:	9045220463	**El Units:**	
Operator:	DIANE ROSS	**Map Src:**	2004 DOQQs
Next action:		**Map Scale:**	10
Fin Respon:		**Coord Acc:**	4
Office:	NED	**Alb East:**	639668.78
OOIC:	FACILITY	**Alb North:**	665846.78
Col Meth:	DPHO	**Datum:**	HARN
Col Name:	CARPENTER_K	**Elevation:**	
Col Date:	1/29/2010	**Lat DD:**	29
Col Prog:	TANKS-PETROLEUM CONTAMINATION	**Lat MM:**	58
Ver Meth:	DPHO	**Lat SS:**	
Ver Name:	CARPENTER_K	**Long DD:**	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	**Long MM:**	30
Ver Date:	1/29/2010	**Long SS:**	
Object ID:	10956		
Col Aff:	YORK STB		
Ver Aff:	YORK STB		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8631076/gis-facility!search		

FDEP - Storage Tank Contamination Monitoring (STCM) Details

Name:	Wolfe Ranch 6260 Hwy 16a & Hwy 16 Saint Augustine, FL 32092
LL Method:	DPHO - Autonomous GPS
Account Owner:	Wolfe, Virgie P
Contact:	Diane Ross
Phone:	904-522-0463
District:	NED
County 1:	55 - St. Johns
Latitude:	29:58:40.5048
Longitude:	81:30:46.4868

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

Tank No:	2
Size:	560
Content:	Leaded Gas
Installed:	
Placement:	UNDER
Status:	Removed from Site
Construction:	
Piping:	

Monitoring:

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

Tank No: 3
Size: 888
Content: Fuel Oil - Onsite Heat
Installed:
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

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

Tank No: 7
Size: 1000
Content: Unleaded Gas
Installed: 07/01/1990
Placement: ABOVE
Status: Removed from Site
Construction:
Piping:
Monitoring:

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

Tank No: 9
Size: 500
Content: Unleaded Gas
Installed: 07/01/1990
Placement: ABOVE
Status: In Service
Construction: C - Steel
K - Ast Containment
Piping: A - Abv, No Soil Contact
Monitoring: I - Not Required

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

Tank No: 8
Size: 500
Content: Vehicular Diesel
Installed: 07/01/1990
Placement: ABOVE
Status: In Service
Construction: C - Steel
K - Ast Containment
Piping: A - Abv, No Soil Contact
Monitoring: I - Not Required

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

Tank No: 1
Size: 10000
Content: Unleaded Gas
Installed: 07/01/1945
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

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

Tank No: 4
Size: 888
Content: Leaded Gas
Installed: 11/01/1957
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

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

Tank No: 5
Size: 888
Content: Fuel Oil - Onsite Heat
Installed:
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

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

Tank No: 6
Size: 1000
Content: Vehicular Diesel
Installed: 07/01/1990
Placement: ABOVE
Status: Removed from Site
Construction:
Piping:
Monitoring:

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2 | ***5 of 5*** | ***E*** | ***0.11 / 572.05*** | ***25.26 / 1*** | ***WOLFE RANCH***
6260 HWY 16A & HWY 16
SAINT AUGUSTINE FL | ***DWM CONTAM***

Program Area:
Site ID: 8631076
District: NED
Site Status:
Facility ID:
Section:
Township:
County: St. Johns
Range:
Facility Type:
Rank:
Operator:
Phone:
Name Changed:
Addr Changed:
Contact:
Facility Type: M - Agricultural

Method:
Datum:
Related Party ID:
Primary RP Role:
RP Begin Date:
RP Address1:
RP Address2:
RP City:
RP State:
RP Zip5:
RP Zip4:
RP Phone:
RP Extension:
Rp Bad Addr Ind:
RP Name:

Program Details

Facility Status:
Offsite Contam:

Staff Assigned:
Priority:

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

Priority Score:		**Score Effective Dt:**	
Project Coordinato:		**Score When Ranked:**	
Program Eligible:		**District:**	
Ineligible:		**Datum:**	0
Program Area:	PETROLEUM	**Method:**	AGPS
Site Manager:	-	**Lat DD:**	29
Discharge Date:	01/22/2001	**Lat MM:**	57
Discharge Eligibil:	I	**Lat SS:**	
Eligibility Progrm:	-	**Long DD:**	81
Cleanup Status:	CLOSED-STCM	**Long MM:**	31
Closure Type:	SRCR	**Long SS:**	45
Closure Date:	12/17/2001		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 1	WSW	0.12 / 659.96	19.94 / -4	Silvex SR 16, 1 mile west of International Golf Parkway St Augustine FL 33762	PFAS

ID:		**Facility Status:**	
Federal Facility:		**Site Status:**	Open
Eric Site ID:	ERIC_3825	**Rule 62 780:**	CONTAMINATED
District:	NED	**Lead Office:**	Tallahassee Headquarters
Program:	State Funded Cleanup Program	**Begin Date:**	1432166400000
Address:	SR 16, 1 mile west of International Golf Parkway	**End Date:**	
City:	St Augustine	**Classification:**	PFAS
Zip:	33762	**Managers:**	Brittany Plyler
County:	St. Johns	**Latitude Degrees:**	29
X Coordinate:	638969.662145	**Latitude Minutes:**	58
Y Coordinate:	665603.331675	**Latitude Seconds:**	
Datum:	NAD83	**Longitude Degrees:**	81
Object ID:	30	**Longitude Minutes:**	31
Se Anno Cad Data:		**Longitude Seconds:**	
Source:	ERIC PFAS Sites (OpenData Map)	**Longitude:**	-81.52021669491052
Status:	Cleanup Underway	**Latitude:**	29.975852222453817
Site Name:	Silvex		
Type:	Per- and polyfluoroalkyl substances (PFAS)		
Phases:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_3825/gis-facility!search		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of 2	WSW	0.12 / 659.97	19.94 / -4	Silvex SR 16, 1 mile west of International Golf Parkway St Augustine FL 33762-4734	CLEANUP DEP

Source Database:	ERIC	**Verifer Username:**	ERIC_HAZARD_INIT_LOAD
Source Database ID:	ERIC_3825	**Verif Status:**	REVIEWED
RSC2 Remed Status:	OPEN	**Verifer Affiliatn:**	
Collect Username:	ERIC_HAZARD_INIT_LOAD	**Verification Date:**	2016/06/23
Collect Date:	2016/06/23	**Verif Coord Method:**	ADDM
Collect Affiliatn:		**DC4 Datum ID:**	NAD83
OIC Object:	FACIL	**Interpolat:**	0
PC2 Proximity ID:	APPRX	**Map Source:**	
CALC Coord Acc:	6	**Map Sour 1:**	0
Coordinate Method:	ADDM	**County:**	
Cc2 County:	55	**Latitude D:**	29
Oc3 Office:	NED	**Latitude M:**	58
Y:	29.9758521752211	**Longitude D:**	81
X:	-81.5202167203982	**Longitude M:**	31
Geometry:			

Details

Object ID:	4633
CPAC Program Area ID:	HW

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

CLCC Cleanup Category Key: OTHCU
DEP Cleanup Site Key: 74796462
Data Load Date: 24-Feb-2023
Comments: Alternate ID: 000000052
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_3825/facility!search

Details

Object ID: 6958
CPAC Program Area ID: SC
CLCC Cleanup Category Key: PFAS
DEP Cleanup Site Key: 74805289
Data Load Date: 24-Feb-2023
Comments: Alternate ID: ERIC_3825
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_3825/facility!search

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4 | **2 of 2** | **WSW** | **0.12 / 659.97** | **19.94 / -4** | **Florida DEP HWCS Silvex Rem Site**
SR 16, 1 mile west of International Golf Parkway
St Augustine FL 33762 | **ERIC**

Eric ID: ERIC_3825
Site Status: OPEN
Source Facility ID: 36958
District: NED
WMD: SJRWMD
ICR Indicator: NO
Discharge Date:
Method ID: ADDM
Object of Interest: FACIL
Proximit to Object: APPRX
Collector Username: ERIC_HAZARD_INIT_LOAD
Collect Date: 6/23/2016
Map Source:
Map Source Scale: 0
Intrpolation Scale: 0
Coord Accuracy ID: 6
Site Phase Dsc: Phase 4 - Design Implementation
Site Name: Silvex
Offste Contami Key: CONTAMUNKNOWN
Se Anno Cad Data:
State: FL
County Name: St. Johns
County ID: 55
X: -81.5202167203982
Y: 29.9758521752211
Lat DD: 29
Lat MM: 58
Lat SS:
Long DD: 81
Long MM: 31
Long SS:
Gis Albx: 638969.662145
Gis Alby: 665603.331675
Datum ID: NAD83
Geometry:
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_3825/gis-facility!search

Program Details

Program: State Funded Cleanup Program
Program Type: STATE
Program Status: ACTIVE
Site Manager: Brittany Plyler

Program Details

Program: Site Investigation Section
Program Type: SIS
Program Status: COMPLETE
Site Manager: Brittany Plyler

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5 | **1 of 1** | **WSW** | **0.12 / 659.97** | **19.94 / -4** | **Silvex**
SR 16, 1 mile west of International Golf Parkway
St Augustine FL | **SHWS**

Haz Arc ID: 000000000052
Eric ID: ERIC_3825
Program: StateFunded
District: NED
Lat Deg: 29
Lat Min: 58

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

Status:	OPEN	**Long Deg:**	81
Manager:	Brittany Plyler	**Long Min:**	31
County:	ST. JOHNS	**Datum:**	ADDM
Data Source:	State Funded Cleanup Sites		

Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_3825/gis-facility!search
Oculus Docs Inventory: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=ERIC_3825&CAT=5
Information Portal Facility URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=ERIC_3825
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_3825/facility!search

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of 10	ESE	0.14 / 755.12	24.95 / 1	WOLFE RANCH SITE #2 6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL 32092	LST

Facility ID:	9803487	**Datum:**	
Facility Status:	OPEN	**Lat DD:**	29
Facility Type:	M - Agricultural	**Lat MM:**	58
Score:	9	**Lat SS:**	57.28
Score Effctve Date:	05/30/2002	**Long DD:**	81
Score when Ranked:		**Long MM:**	30
Rank:		**Long SS:**	38.52
Operator:	DIANE ROSS	**Facility T (Map):**	Agricultural
Prim Related Party:	38110	**Facility S (Map):**	OPEN
Primary RP Role:	PROPERTY OWNER	**County (Map):**	ST. JOHNS
RP Begin Date:	01/09/2001	**Collection (Map):**	DPHO
Phone:	(904)522-0463	**Collector (Map):**	DAVIS_B
Name Changed:		**Collecti 1 (Map):**	5/6/2005
Address Changed:	02/14/2001	**Datum (Map):**	HARN
Section:		**Rel Feat (Map):**	ENTRA
Township:		**Geometry (Map):**	
Range:		**Lat DD (Map):**	29
District:	NED	**Lat MM (Map):**	58
County:	ST. JOHNS	**Lat SS (Map):**	
County No:	55	**Long DD (Map):**	81
Feature:		**Long MM (Map):**	30
Method:	AGPS	**Long SS (Map):**	

RP Name: FIRST UNION NATIONAL BANK OF FL
RP Address1: 214 N HOGAN ST
RP Address2: FLOOR 6
RP City: JACKSONVILLE
RP State: FL
RP Zip5: 32202
RP Zip4:
Contact: SUZI RENCHAN
RP Phone: (904)489-1029
RP Phone Ext.:
RP Bad Addr Ind: No
Facility Name (Map): WOLFE RANCH SITE #2
Address (Map): 6260 HWY 160 & HWY 16
City (Map): SAINT AUGUSTINE
Zip5 (Map): 32092
Document L (Map): https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9803487/facility!search
Oculus Docs Inventory: https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9803487&CAT=11
Information Portal Fac URL: http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9803487
Information Portal Doc URL: http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9803487/facility!search
Source: DEP; Storage Tanks & Contamination Monitoring, Discharge Info.; FDEP Open Data, Petroleum Contamination Monitoring (PCTS) Discharges (Map)

Discharge Cleanup Summary

Discharge Date: 01/19/2001
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: SRCR - SRCR COMPLETE
Discharge Cleanup Stat Date: 03/05/2003
Eligibility Indicator: I - INELIGIBLE
Site Manager: DOHANEY_T
Site Manager End Date: 03/05/2003

Tank Office: PCNED - NED CLEANUP & COMPLIANCE ASSURANCE PROGRAM

Contaminated Media

Contaminated Drinking Wells:
Contaminated Mntring Wells:
Contaminated Soil: YES
Contaminated Surface Water:
Contaminated Ground Water: YES
Pollutant: D - Vehicular Diesel
Other Description:
Gallons Discharged:

Task Info

SA Task ID: 67299
SA Cleanup Resp: -
SA Actual Cost:
SA Complete Date:
SA Payment Date:
SR Task ID:
SR Cleanup Resp: -
SR Actual Cost:
SR Complete Date:
SR Payment Date:
SR Oral Date:
SR Written Date:
SR Soil Removal:
SR Free Prod Rmvl:
SR Soil Ton Remove:
SR Soil Treatment:
SR Other Treatment:
SR Alt Proc Rec:
RAP Task ID: 68019
RAP Clean Resp ID: -
RAP Actual Cost:
RAP Complete Date: 04-01-2002
RAP Payment Date:
RAP Last Ord Appr:
RA Task ID: 69254
RA Cleanup Resp: -
RA Yrs to Complete: 0
RA Actual Cost:
Tank Office: PCNED - Northeast District
SR Fund Elig Type: -
SA Fund Elig Type: -
RAP Fund Elig Type: -
RA Fund Elig Type: -
SR Alternate Procedure Status:
SR Alt Procedure Status Dt:
SR Alt Procedure Comment:
SRC Action Type: SRCR - SITE REHABILITATION COMPLETION REPORT
SRC Submit Date: 01-13-2003
SRC Review Date: 02-13-2003
SRC Complete Status: A - APPROVED
SRC Comp Status Dt: 02-13-2003
SRC Issue Date: 03-05-2003
SRC Comments:

Discharge Info (Map)

Discharge: 52867
Discharge 1: 19-Jan-2001
Discharge 2: 9
Discharge 3: SRCR
General Cl: CLOSURE
Disch Clea: 05-Mar-2003
Tank Offic: NED CLEANUP & COMPLIANCE ASSURANCE PROGRAM
Eligibility: INELIGIBLE
Eligibility 1:
Report Pha: COMPLETED
Report Sub: COMPLETED
Report S 1: 05-Mar-2003
Staff Assi:

AST UST Discharges

Dep Co: P
CU Req: R
Score: 00009
Descrip: CLEANUP REQUIRED
Discharge Date: 19-JAN-01
Score Date: 30-MAY-2002
Stat Date: 05-MAR-2003
Long SS: 38
CU Stat:
Stat Desc: SRCR COMPLETE
Fac Name: WOLFE RANCH SITE #2
Fac Type: M
Type Desc: Agricultural
Fac Addr: 6260 HWY 160 & HWY 16

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

LL Meth:	AGPS	**Fac City:**	SAINT AUGUSTINE
Lat DD:	29	**Fac Zip:**	32092
Lat MM:	58	**County:**	55
Lat SS:	57	**Fac State:**	OPEN
Long DD:	81	**Fac Phone:**	9045220463
Long MM:	30		
Prg Dsec:			

Ineligible Discharges

Discharge Date:	01/19/2001
Score:	9
Current Status:	CLOSED
Facility:	WOLFE RANCH SITE #2
Address:	6260 HWY 160 & HWY 16
City:	SAINT AUGUSTINE
Zip:	32092
County:	ST. JOHNS
Owner:	
Owner Address:	
Ownercity:	
Owner State:	
Owner Zip:	
Owner Phone:	
Owner Email:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	2 of 10	ESE	0.14 / 755.12	24.95 / 1	WOLFE RANCH 2 6260 SR 16A AND 16 ST. AUGUSTINE FL 32092	WELL SURVEILLANCE

Facility ID:	9803487	**County:**	ST. JOHNS
Project ID:	SUPER	**Longitude:**	-81.510367
Req No:		**Latitude:**	29.982673
Loc ID:	201337	**GPS Date:**	2/8/2002 8:40:21
GPS ID:	201337	**Datum:**	WS1984
Type:	PETROLEUM	**Software:**	
Insp CHD:	ST. JOHNS	**Streetside:**	
HAE:	11.74	**Agency:**	
Loc Method:	DGPS - Differentially Corrected GPS		
Insp F Name:	RYAN		
Insp L Name:	MAUCH		
Comment:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	3 of 10	ESE	0.14 / 755.12	24.95 / 1	WOLFE RANCH 1 6260 SR 16A AND 16 ST. AUGUSTINE FL 32092	WELL SURVEILLANCE

Facility ID:	8631076	**County:**	ST. JOHNS
Project ID:	SUPER	**Longitude:**	-81.512913
Req No:		**Latitude:**	29.977918
Loc ID:	188827	**GPS Date:**	2/8/2002 8:16:25
GPS ID:	188827	**Datum:**	WS1984
Type:	PETROLEUM	**Software:**	
Insp CHD:	ST. JOHNS	**Streetside:**	
HAE:	10.25	**Agency:**	
Loc Method:	DGPS - Differentially Corrected GPS		
Insp F Name:	RYAN		
Insp L Name:	MAUCH		
Comment:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	4 of 10	ESE	0.14 / 755.12	24.95 / 1	WOLFE RANCH SITE 6260 HIGHWAY16A & SR 16 SAINT AUGUSTINE FL	WCRPS

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

Site ID:	107358	**Coord Accuracy ID:**	
Datum ID:	NAD83	**Zip5:**	32092
Method ID:	UNVR	**Zip4:**	
Feature:		**County ID:**	55
Object of Interest:	CAP_RAP SITE	**County:**	ST. JOHNS
Proximity to Object:	APPRX	**Lat DD:**	29
Interpolation Scale:		**Lat MM:**	57
Map Source:		**Long DD:**	81
Map Source Scale:		**Long MM:**	31
Collect Program ID:			
Collect Username:			
Collect Affiliation:			
Verifying Program ID:			
Verify Method ID:			
Verifier Username:			
Verifier Affiliation:			
Project Name:	WOLFE RANCH SITE		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/COM_107358/gis-facility!search		

Project Details

Project ID:	317280	**District:**	NED
OGC No:		**GIS ALBX:**	638110.63
Status:	CLOSED	**GIS ALBY:**	662746.52
Priority Score:		**Source:**	Closed Responsible Party Sites
Offsite COC:			
Contaminants:			

6	5 of 10	ESE	0.14 / 755.12	24.95 / 1	**WOLFE RANCH SITE #2** **6260 HWY 160 & HWY 16** **SAINT AUGUSTINE FL 32092**	UST

Facility ID:	9803487	**County:**	ST. JOHNS
Facility Status:	OPEN	**Lat/Long Method:**	AGPS
Facility Type:	M	**Lat DD:**	29
Type Desc:	Agricultural	**Lat MM:**	58
Facility Phone:	9045220463	**Lat SS:**	57
Dep Co:	P	**Long DD:**	81
Owner ID:		**Long MM:**	30
Owner Phone:		**Long SS:**	38
Owner:			
Owner Address1:			
Owner Address2:			
Owner City:			
Owner State:			
Owner Zip 5:			
Contact:			
Source:	Tank Facility - All Locations and Tank Information		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9803487&CAT=11		
Information Portal Fac URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9803487		
Information Portal Doc URL:	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9803487/facility!search		

Tank Information

Tank ID:	1	**Capacity:**	500
Tank Status:	B - REMOVED FROM SITE	**Substance:**	B - Unleaded Gas
Status Date:	09-JAN-2001	**Placement:**	UNDERGROUND
Installation Date:		**Tank Vessel Indic:**	TANK
Tank Desc:			

Tank Information

Tank ID:	2	**Capacity:**	500
Tank Status:	B - REMOVED FROM SITE	**Substance:**	B - Unleaded Gas

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

Status Date:	09-JAN-2001	**Placement:**	UNDERGROUND
Installation Date:		**Tank Vessel Indic:**	TANK
Tank Desc:			

6 | **6 of 10** | **ESE** | **0.14 / 755.12** | **24.95 / 1** | **WOLFE RANCH SITE #2**
6260 HWY 160 & HWY 16
SAINT AUGUSTINE FL 32092 | **AST**

Facility ID:	9803487	**County:**	ST. JOHNS
Facility Status:	OPEN	**Lat/Long Method:**	AGPS
Facility Type:	M	**Lat DD:**	29
Type Desc:	Agricultural	**Lat MM:**	58
Facility Phone:	9045220463	**Lat SS:**	57
Dep Co:	P	**Long DD:**	81
Owner ID:		**Long MM:**	30
Owner Phone:		**Long SS:**	38
Owner:			
Owner Address1:			
Owner Address2:			
Owner City:			
Owner State:			
Owner Zip 5:			
Contact:			
Data Source:	Tank Facility - All Locations and Tank Information		
Oculus Docs Inventory URL:	https://erisservice7.ecologeris.com/ErisExt/flo/ocure.ashx?ID=9803487&CAT=11		
Information Portal Fac URL:	http://prodenv.dep.state.fl.us/DepNexus/public/facilitysearch?pagination=true&facility.id=9803487		
Information Portal Doc URL:	http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9803487/facility!search		

Tank Information

Tank ID:	3	**Tank Desc:**	
Tank Status:	T - OUT OF SERVICE	**Capacity:**	500
Status Date:	01-JUL-1990	**Placement:**	ABOVEGROUND
Installation Date:	01-JUL-1990	**Tank Vessel Indic:**	TANK
Content Desc:	D - Vehicular Diesel		

Tank Information

Tank ID:	4	**Tank Desc:**	
Tank Status:	T - OUT OF SERVICE	**Capacity:**	500
Status Date:	01-JAN-2001	**Placement:**	ABOVEGROUND
Installation Date:	01-JUL-1990	**Tank Vessel Indic:**	TANK
Content Desc:	B - Unleaded Gas		

6 | **7 of 10** | **ESE** | **0.14 / 755.12** | **24.95 / 1** | **Wolfe Ranch RAF**
6260 HIGHWAY16A & SR 16
SAINT AUGUSTINE FL 32092 | **ERIC**

Eric ID:	ERIC_13661	**Offste Contami Key:**	CONTAMUNKNOWN
Site Status:	CLOSED	**Se Anno Cad Data:**	
Source Facility ID:	6205	**State:**	FL
District:	NED	**County Name:**	St. Johns
WMD:	SJRWMD	**County ID:**	55
ICR Indicator:	NO	**X:**	-81.5297222704599
Discharge Date:		**Y:**	29.9502777515485
Method ID:		**Lat DD:**	29
Object of Interest:	CAP_R	**Lat MM:**	57
Proximit to Object:	APPRX	**Lat SS:**	
Collector Username:		**Long DD:**	81
Collect Date:		**Long MM:**	31
Map Source:		**Long SS:**	
Map Source Scale:	0	**Gis Albx:**	638110.63
Intrpolation Scale:	0	**Gis Alby:**	662746.52
Coord Accuracy ID:	0	**Datum ID:**	NAD83
Site Phase Dsc:	Phase 5 - Cleanup Complete	**Geometry:**	

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

Site Name: WOLFE RANCH SITE
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_13661/gis-facility!search

Program Details

Program: Responsible Party Cleanup
Program Type: RESPONSPARTY
Program Status: COMPLETEWITHCOND
Site Manager: Richard Rachal

6	8 of 10	ESE	0.14 / 755.12	24.95 / 1	WOLFE RANCH SITE 6260 HIGHWAY16A & SR 16 SAINT AUGUSTINE FL	DWM CONTAM

Program Area:
Site ID: ERIC_13661
District: NED
Site Status:
Facility ID:
Section:
Township:
County: St. Johns
Range:
Facility Type:
Rank:
Operator:
Phone:
Name Changed:
Addr Changed:
Contact:
Facility Type: -

Method:
Datum:
Related Party ID:
Primary RP Role:
RP Begin Date:
RP Address1:
RP Address2:
RP City:
RP State:
RP Zip5:
RP Zip4:
RP Phone:
RP Extension:
Rp Bad Addr Ind:
RP Name:

Program Details

Facility Status:
Offsite Contam:
Priority Score:
Project Coordinato:
Program Eligible:
Ineligible:
Program Area: RESPONSPARTY
Site Manager: Richard Rachal
Discharge Date: -
Discharge Eligibil: -
Eligibility Progrm: -
Cleanup Status: Closed-ERIC
Closure Type: -
Closure Date: -

Staff Assigned:
Priority:
Score Effective Dt:
Score When Ranked:
District:
Datum: NAD83
Method: -
Lat DD: 29
Lat MM: 57
Lat SS:
Long DD: 81
Long MM: 31
Long SS: 47

6	9 of 10	ESE	0.14 / 755.12	24.95 / 1	WOLFE RANCH SITE #2 6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL 32092	STCS

Facility ID: 9803487
Type: M - Agricultural
Status: Open
County: ST. JOHNS
Fac Stat(OpenData): OPEN
Fac Code(OpenData): M
Fac Type(OpenData): Agricultural
Clnup Cd(OpenData): CMPL
Clnup Dt(OpenData): 2003/03/04
Status (Open Data): REVIEWED
City (Open Data): SAINT AUGUSTINE
Fac Name(Open Data): WOLFE RANCH SITE #2

Zip5 (Open Data): 32092
CountyID(OpenData): 55
County (Open Data): ST. JOHNS
Contam (Map):
Fac Type (Map): Agricultural
Fac Stat (Map): OPEN
Status (Map): REVIEWED
City (Map): SAINT AUGUSTINE
County (Map): 55
Zip5 (Map): 32092
Zip4 (Map): 0

Address (Open Data):	6260 HWY 160 & HWY 16
Fac Cleanup Stat(Open Data):	COMPLETED
Name (Map):	WOLFE RANCH SITE #2
Address (Map):	6260 HWY 160 & HWY 16

FDEP Storage Tank Monitoring Open Data Details

Object ID:	55229	***Map Src:***	1999 doqs
X:	-81.510700000002	***Map Scale:***	4053
Y:	29.9825777777808	***Elevation:***	
Regulated:	NO	***El Datum:***	
Col Meth:	DPHO	***El Resolut:***	
Col Name:	DAVIS_B	***El Units:***	
Col Date:	06-May-2005	***ALB East:***	639871.5700000001
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***ALB North:***	666368.25
Ver Meth:	DPHO	***Loc ID:***	56688
Ver Name:	DAVIS_B	***Lat DD:***	29
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	58
Ver Date:	06-May-2005	***Lat SS:***	
OOIC:	FACILITY	***Long DD:***	81
Rel Feat:	ENTRA	***Long MM:***	30
Datum:	HARN	***Long SS:***	
Coord Acc:	4		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PR		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PR		
Direct:			
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9803487/gis-facility!search		

FDEP Open Data - Storage Tank Contamination Monitoring (STCM)

Loc ID:	56688	***Rel Feat:***	ENTRA
Site Type:	Agricultural	***El Datum:***	
Contam Ind:		***El Resolut:***	
Phone:	9045220463	***El Units:***	
Operator:	DIANE ROSS	***Map Src:***	1999 doqs
Next action:		***Map Scale:***	4053
Fin Respon:		***Coord Acc:***	4
Office:	NED	***Alb East:***	639871.5700000001
OOIC:	FACILITY	***Alb North:***	666368.25
Col Meth:	DPHO	***Datum:***	HARN
Col Name:	DAVIS_B	***Elevation:***	
Col Date:	5/6/2005	***Lat DD:***	29
Col Prog:	TANKS-PETROLEUM CONTAMINATION	***Lat MM:***	58
Ver Meth:	DPHO	***Lat SS:***	
Ver Name:	DAVIS_B	***Long DD:***	81
Ver Prog:	TANKS-PETROLEUM CONTAMINATION	***Long MM:***	30
Ver Date:	5/6/2005	***Long SS:***	
Object ID:	56688		
Col Aff:	DEPARTMENT OF ENVIRONMENTAL PR		
Ver Aff:	DEPARTMENT OF ENVIRONMENTAL PR		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/9803487/gis-facility!search		

FDEP - Storage Tank Contamination Monitoring (STCM) Details

Name:	Wolfe Ranch Site #2 6260 Hwy 160 & Hwy 16 Saint Augustine, FL 32092
LL Method:	DPHO - Autonomous GPS
Account Owner:	
Contact:	Diane Ross
Phone:	904-522-0463
District:	NED
County 1:	55 - St. Johns
Latitude:	29:58:57.2800
Longitude:	81:30:38.5200

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

Tank No: 3
Size: 500
Content: Vehicular Diesel
Installed: 07/01/1990
Placement: ABOVE
Status: Out of Service
Construction:
Piping:
Monitoring:

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

Tank No: 2
Size: 500
Content: Unleaded Gas
Installed:
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

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

Tank No: 1
Size: 500
Content: Unleaded Gas
Installed:
Placement: UNDER
Status: Removed from Site
Construction:
Piping:
Monitoring:

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

Tank No: 4
Size: 500
Content: Unleaded Gas
Installed: 07/01/1990
Placement: ABOVE
Status: Out of Service
Construction:
Piping:
Monitoring:

6	10 of 10	ESE	0.14 / 755.12	24.95 / 1	WOLFE RANCH SITE #2 6260 HWY 160 & HWY 16 SAINT AUGUSTINE FL	DWM CONTAM

Program Area:
Site ID: 9803487
District: NED
Site Status:
Facility ID:
Section:
Township:
County: St. Johns
Range:
Facility Type:
Rank:

Method:
Datum:
Related Party ID:
Primary RP Role:
RP Begin Date:
RP Address1:
RP Address2:
RP City:
RP State:
RP Zip5:
RP Zip4:

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

Operator: **RP Phone:**
Phone: **RP Extension:**
Name Changed: **Rp Bad Addr Ind:**
Addr Changed: **RP Name:**
Contact:
Facility Type: M - Agricultural

Program Details

Facility Status: **Staff Assigned:**
Offsite Contam: **Priority:**
Priority Score: **Score Effective Dt:**
Project Coordinato: **Score When Ranked:**
Program Eligible: **District:**
Ineligible: **Datum:** -
Program Area: PETROLEUM **Method:** AGPS
Site Manager: - **Lat DD:** 29
Discharge Date: 01/19/2001 **Lat MM:** 58
Discharge Eligibil: I **Lat SS:**
Eligibility Progrm: - **Long DD:** 81
Cleanup Status: CLOSED-STCM **Long MM:** 30
Closure Type: SRCR **Long SS:** 38
Closure Date: 03/05/2003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	1 of 1	WSW	0.23 / 1,205.53	19.74 / -4	6540 SR 16 ST. AUGUSTINE FL 32092	WELL SURVEILLANCE

Facility ID: DEP 0130 **County:** ST. JOHNS
Project ID: SUPER **Longitude:** -81.521131
Req No: 23230 **Latitude:** 29.974673
Loc ID: 109875 **GPS Date:** 11/15/2006 0:00:00
GPS ID: 109875 **Datum:**
Type: PETROLEUM **Software:** Risk_Solo_v2
Insp CHD: ST. JOHNS **Streetside:**
HAE: 10.55 **Agency:** DOH
Loc Method: DGPS - Differentially Corrected GPS
Insp F Name: MILTON
Insp L Name: LARA
Comment: ERROR

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of 1	WSW	0.36 / 1,923.08	18.87 / -5	SILVEX CORP (AKA WRAY, ROBERT)- STATE FUNDED SR 16, 8 MI WEST OF I95 ST AUGUSTINE FL	WCRPS

Site ID: 16622 **Coord Accuracy ID:** 6
Datum ID: NAD83 **Zip5:**
Method ID: UNKN **Zip4:**
Feature: Former SIte Location **County ID:** 55
Object of Interest: CAP_RAP SITE **County:** ST. JOHNS
Proximity to Object: APPRX **Lat DD:** 29
Interpolation Scale: **Lat MM:** 58
Map Source: **Long DD:** 81
Map Source Scale: **Long MM:** 31
Collect Program ID: CR
Collect Username: DOUGHERTY_B
Collect Affiliation: Florida Department of Environmental Protection
Verifying Program ID:
Verify Method ID:
Verifier Username:
Verifier Affiliation:
Project Name: SILVEX CORP (AKA WRAY, ROBERT)- STATE FUNDED
Documents: https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/COM_16622/gis-facility!search

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

Project Details

Project ID:	68129	***District:***	NED
OGC No:		***GIS ALBX:***	638646.97
Status:	CLOSED	***GIS ALBY:***	665378.86
Priority Score:		***Source:***	Closed Responsible Party Sites
Offsite COC:			
Contaminants:	State lead clenaup site, ISDR entered to populate COMET ID in oculus		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of 1	WSW	0.36 / 1,923.12	18.85 / -5	Silvex Corp SR 16, 8 MI WEST OF I95 ST AUGUSTINE FL 0	ERIC

Eric ID:	ERIC_13631	***Offste Contami Key:***	CONTAMUNKNOWN
Site Status:	CLOSED	***Se Anno Cad Data:***	
Source Facility ID:	47344	***State:***	FL
District:	NED	***County Name:***	St. Johns
WMD:	SJRWMD	***County ID:***	55
ICR Indicator:	NO	***X:***	-81.5236111601556
Discharge Date:		***Y:***	29.9738888832643
Method ID:		***Lat DD:***	29
Object of Interest:	CAP_R	***Lat MM:***	58
Proximit to Object:	APPRX	***Lat SS:***	
Collector Username:	DOUGHERTY_B	***Long DD:***	81
Collect Date:		***Long MM:***	31
Map Source:		***Long SS:***	
Map Source Scale:	0	***Gis Albx:***	638646.97
Intrpolation Scale:	0	***Gis Alby:***	665378.86
Coord Accuracy ID:	6	***Datum ID:***	NAD83
Site Phase Dsc:	Phase 1 - Initial Assessment	***Geometry:***	
Site Name:	SILVEX CORP (AKA WRAY, ROBERT)- STATE FUNDED		
Documents:	https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_13631/gis-facility!search		

Program Details

Program:	CERCLA Site Screening Program
Program Type:	CERCLA
Program Status:	COMPLETE
Site Manager:	B Cheary

Program Details

Program:	Responsible Party Cleanup
Program Type:	RESPONSPARTY
Program Status:	COMPLETEWITHCOND
Site Manager:	B Cheary

Unplottable Summary

Total: 1 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
DWM CONTAM	MAGUIRE TIMBER CORP	SR 16A	SAINT AUGUSTINE FL		902938198

Unplottable Report

Site: ***MAGUIRE TIMBER CORP***
SR 16A SAINT AUGUSTINE FL

DWM CONTAM

Program Area:		***Method:***	
Site ID:	8841552	***Datum:***	
District:	NED	***Related Party ID:***	
Site Status:		***Primary RP Role:***	
Facility ID:		***RP Begin Date:***	
Section:		***RP Address1:***	
Township:		***RP Address2:***	
County:	St. Johns	***RP City:***	
Range:		***RP State:***	
Facility Type:		***RP Zip5:***	
Rank:		***RP Zip4:***	
Operator:		***RP Phone:***	
Phone:		***RP Extension:***	
Name Changed:		***Rp Bad Addr Ind:***	
Addr Changed:		***RP Name:***	
Contact:			
Facility Type:	C - Fuel user/Non-retail		

Program Details

Facility Status:		***Staff Assigned:***	
Offsite Contam:		***Priority:***	
Priority Score:		***Score Effective Dt:***	
Project Coordinato:		***Score When Ranked:***	
Program Eligible:		***District:***	
Ineligible:		***Datum:***	0
Program Area:	PETROLEUM	***Method:***	UNVR
Site Manager:	-	***Lat DD:***	30
Discharge Date:	08/30/1988	***Lat MM:***	0
Discharge Eligibil:	E	***Lat SS:***	
Eligibility Progrm:	EDI	***Long DD:***	81
Cleanup Status:	CLOSED-STCM	***Long MM:***	32
Closure Type:	SRCR	***Long SS:***	38
Closure Date:	04/12/2004		

Appendix: Database Descriptions

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

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

Standard Environmental Record Sources

Federal

National Priority List: NPL

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

Government Publication Date: Mar 23, 2023

National Priority List - Proposed: PROPOSED NPL

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

Government Publication Date: Mar 23, 2023

Deleted NPL: DELETED NPL

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

Government Publication Date: Mar 23, 2023

SEMS List 8R Active Site Inventory: SEMS

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

Government Publication Date: Jan 25, 2023

Inventory of Open Dumps, June 1985: ODI

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

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

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

Government Publication Date: Jan 25, 2023

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

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

Government Publication Date: Oct 25, 2013

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

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

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

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

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

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

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

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

Government Publication Date: Jan 23, 2023

RCRA non-CORRACTS TSD Facilities: RCRA TSD

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

Government Publication Date: Jan 23, 2023

RCRA Generator List: RCRA LQG

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

Government Publication Date: Jan 23, 2023

RCRA Small Quantity Generators List: RCRA SQG

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

Government Publication Date: Jan 23, 2023

RCRA Very Small Quantity Generators List: RCRA VSQG

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

Government Publication Date: Jan 23, 2023

RCRA Non-Generators: RCRA NON GEN

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

Government Publication Date: Jan 23, 2023

RCRA Sites with Controls: RCRA CONTROLS

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

Government Publication Date: Jan 23, 2023

Federal Engineering Controls-ECs: FED ENG

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Feb 23, 2023

Federal Institutional Controls- ICs: FED INST

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Feb 23, 2023

Land Use Control Information System: LUCIS

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

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

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

Government Publication Date: Mar 23, 2023

Emergency Response Notification System: ERNS 1982 TO 1986

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

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

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

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

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

Government Publication Date: Jan 16, 2023

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

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Sep 13, 2022

FEMA Underground Storage Tank Listing: FEMA UST

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

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

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

Government Publication Date: Aug 8, 2022

Delisted Facility Response Plans: DELISTED FRP

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

Government Publication Date: Aug 8, 2022

Historical Gas Stations: HIST GAS STATIONS

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

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

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

Government Publication Date: Aug 30, 2022

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

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

Government Publication Date: Jun 29, 2022

LIEN on Property: SEMS LIEN

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

Government Publication Date: Jan 25, 2023

Superfund Decision Documents: SUPERFUND ROD

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

Government Publication Date: Mar 23, 2023

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

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

Government Publication Date: Mar 4, 2017

State

Superfund Waste Cleanup & State-Funded Action Sites: SHWS

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

Government Publication Date: Mar 16, 2023

Delisted State-Funded Action Sites: DELISTED SHWS

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

Government Publication Date: Mar 16, 2023

ERIC Waste Cleanup: ERIC

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

Government Publication Date: May 8, 2023

Florida Department of Environmental Protection Cleanup Sites: CLEANUP DEP

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

Government Publication Date: Feb 22, 2023

Waste Cleanup Responsible Party Sites: WCRPS

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

Government Publication Date: Apr 11, 2021

Delisted Waste Cleanup Sites: DELISTED WCP

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

Government Publication Date: May 8, 2023

Solid Waste Facilities and Landfills: SWF/LF

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

Government Publication Date: Nov 24, 2022

Leaking Tanks: LST

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

Government Publication Date: Mar 23, 2023

Delisted Leaking Tanks: DELISTED LST

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

Government Publication Date: May 12, 2023

Underground Storage Tanks: UST

List of Underground Storage Tank facilities made available by the Florida Department of Environmental Protection (FL DEP). Includes facilities tracked for active storage tanks, storage tank history, or petroleum cleanup activity. In an effort to minimize the occurrence and environmental risks of releases and discharges, FDEP administers standards pertaining to the construction, installation, operation, maintenance, repair, closure, and disposal of underground storage tank systems that store regulated substances.

Government Publication Date: May 11, 2023

Aboveground Storage Tanks: AST

List of Aboveground Storage Tank facilities made available by the Florida Department of Environmental Protection (FL DEP). Includes facilities tracked for active storage tanks, storage tank history, or petroleum cleanup activity.The Florida Department of Environmental Protection (FDEP) provides standards for aboveground storage tanks (ASTs) that have individual storage tank capacities greater than 550 gallons. The state also regulates the registration, construction, installation, operation, maintenance, repair, closure, and disposal of storage tank systems that store regulated substances.

Government Publication Date: May 11, 2023

Storage Tank Facilities: TANK

List of storage tank facilities made available by the Florida Department of Environmental Protection (FL DEP) for which tank information is not available. In the case of closed facilities - where all tanks have been removed or closed, and there is also no petroleum discharge or on-going cleanup activity - the owner data may not be current, but rather would represent the most recent information made available to FL DEP.

Government Publication Date: May 11, 2023

Delisted AST UST Storage Tanks: DEL UST AST TANK

This database contains a list of closed UST and AST storage tank sites that were removed from the Florida Department of Environmental Protection (FDEP) storage tank database.

Government Publication Date: Jul 2, 2015

Delisted Storage Tanks: DEL STORAGE TANK

List of sites that once appeared on - and have since been removed from - the list of UST and AST storage tank facilities made available by the Florida Department of Environmental Protection.

Government Publication Date: May 11, 2023

Federal Facilities Listing: FF TANKS

The Florida Department of Environmental Protection (FDEP) Storage Tank Program registers facilities and storage tanks where aboveground or underground storage tanks store pollutants, hazardous substances, and/or mineral acid substances regulated by Chapter 62-761, Florida Administrative Code, or when aboveground storage tanks or compression vessels store a hazardous substance which requires registration according to Chapter 376, Florida Statutes.

Government Publication Date: Jun 1, 2023

Storage Tank/Contaminated Facility Search: STCS

List of facilities and tanks in the Florida Department of Environmental Protection (FDEP) Bureau of Petroleum Storage Systems Storage Tank/Contaminated Facility Search. Note that tank details do not appear for facilities for which all tanks have been removed.

Government Publication Date: May 12, 2023

Institutional Controls Registry: INST

The Institutional Controls registry is maintained by the Florida Department of Environmental Protection (FDEP). The registry aims to help preserve adequate protection of contaminated soil regions and help to minimize any chances of exposure.

Government Publication Date: Feb 21, 2023

Engineering Controls: ENG

A listing of all engineering controls that are in place to eliminate or reduce the potential for contaminant migration and exposure to contaminants. These controls may include caps, barriers, guards or fences. The list is maintained by the Florida Department of Environmental Protection (FDEP).

Government Publication Date: Feb 21, 2023

Voluntary Cleanup Sites: VCP

A listing of active and closed voluntary cleanup sites registered by the Florida Department of Environmental Protection (FDEP).

Government Publication Date: Jul 1, 2022

Brownfield Sites: BROWNFIELDS

Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. This is a list of sites within designated Brownfield Areas within Florida where Brownfield Site Rehabilitation Agreement (BSRA)s have been executed between FDEP and a responsible party.

Government Publication Date: Sep 8, 2021

Brownfield Areas: BROWNFIELD AREA

Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. This is a list of Brownfield Areas, defined by the FDEP as contiguous areas of one or more brownfield sites, some of which may not be contaminated, that have been designated as such by a local government resolution. Such areas may include all or portions of community redevelopment areas, enterprise zones, empowerment zones, other such designated economically deprived communities and areas, and Environmental Protection Agency (EPA) designated brownfield pilot projects. Because a variety of sources and methods were used to derive information for this data, locations are approximate.

Government Publication Date: Mar 8, 2023

Hazardous Waste Facility List: HAZ WASTE FAC

List of Hazardous Waste Financial Assurance Facilities made available by the Division of Waste Management of the Florida Department of Environmental Protection (FDEP). The FDEP's Hazardous waste financial responsibility requirements exist to ensure that certain hazardous waste facilities and transporters have the financial resources available to provide for closure, postclosure and corrective action requirements and/or pay for bodily injury or property damage that might result from accidents, spills or other unexpected events, known as liabilities. These closure, postclosure, corrective action and liability requirements are called financial assurance.

Government Publication Date: Apr 1, 2023

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 4, which includes Florida, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Apr 20, 2023

Underground Storage Tanks on Tribal/Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 4, which includes Florida, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Apr 20, 2023

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Apr 20, 2023

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Apr 20, 2023

County

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

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Aug 18, 2022

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Oct 19, 2022

PFOA/PFOS Contaminated Sites: PFAS NPL

List of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been found in water and/or soil. The site listing is provided by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Mar 28, 2023

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from March 2022 to April 2023. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Apr 24, 2023

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations https://pfasproject.com/pfas-contamination-site-tr acker/

Government Publication Date: Dec 12, 2019

National Response Center PFAS Spills: ERNS PFAS

National Response Center (NRC) calls from 1990 to the most recent complete calendar year where there is indication of Aqueous Film Forming Foam (AFFF) usage. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Data made available by the US Environmental Protection Agency (EPA). Disclaimer: dataset may include initial or misidentified incident data not yet validated or investigated by a federal/state response agency.

Government Publication Date: Feb 23, 2022

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Feb 19, 2023

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Oct 19, 2022

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest : PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Apr 9, 2023

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Apr 16, 2023

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Feb 8, 2023

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Jan 25, 2023

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The U.S. Environmental Protection Agency's Enforcement and Compliance History Online system incorporates data from the Integrated Compliance Information System - National Pollutant Discharge Elimination System (ICIS-NPDES). ICIS-NPDES is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. This data includes permit, inspection, violation and enforcement action information for applicable ICIS records.

Government Publication Date: Oct 15, 2022

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Dec 11, 2022

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Dec 11, 2022

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset.

Government Publication Date: Jul 12, 2022

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: Jul 12, 2022

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Mar 31, 2021

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United State Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Nov 7, 2022

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Government Publication Date: Aug 18, 2022

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 1, 2022

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Mar 23, 2023

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Apr 19, 2023

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 30, 2022

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 3, 2022

State

Priority Ranking List: PRIORITYCLEAN

The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility or wholesale supply facility (Chapter 376, Florida Statutes). The program is administered by the Florida Department of Environmental Protection (FDEP). The statute was sponsored by the drycleaning industry to address environmental, economic, and liability issues resulting from drycleaning solvent contamination. The program provides limited liability protection to the owner, operator and real property owner of drycleaning or wholesale supply facilities for cleanup of drycleaning solvent contamination if the parties meet the eligibility conditions stated in the law.

Government Publication Date: Mar 7, 2022

Dry Cleaning Facilities: DRYCLEANERS

A listing of dry cleaning facilities registered with the Florida Department of Environmental Protection (FDEP). The information contains facility identification number, site location information, related party (owner) information, and facility type and status. Data is taken from the Storage Tank & Contamination Monitoring database, the registration repository of dry cleaner facility data.

Government Publication Date: Apr 13, 2023

Delisted Dry Cleaning Facilities: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Florida Department of Environmental Conservation (DEC).

Government Publication Date: Apr 13, 2023

Historical Dry Cleaners: HISTORICAL DRYC

The Florida Department of Environmental Protection (FDEP) provided this historical database of regulated and non-regulated dry cleaning facilities. These facilities were at one time tracked and registered by the FDEP OCULUS Electronic Document Management System as "drums" in the underground storage tank database.

Government Publication Date: Aug 2, 2013

Oil and Hazardous Materials Incidents: SPILLS

Statewide listing of oil and hazardous materials spills and incidents recorded by the Florida Department of Environmental Protection (FDEP).

Government Publication Date: Apr 26, 2023

Contaminated Sites: DWM CONTAM

Florida Department of Environmental Protection (FDEP) Division of Waste Management (DWM) listing of active or known sites that include sites requiring cleanup but are not actively being worked on due to the agency's lack of funding (primarily petroleum and drycleaning).

Government Publication Date: Oct 12, 2022

Delisted Contaminated Sites: DEL CONTAM SITE

List of sites which were once included on the Florida Department of Environmental Protection (FDEP) Division of Waste Management (DWM)'s Contaminated Sites list. As sites on the Contaminated Sites (CS) list are cleaned up or closed under risk based corrective action, they are removed from the CS list.

Government Publication Date: Sep 30, 2015

Aqueous Film Forming Foam (AFFF): PFAS AFFF

A list of fire fighter training facilities that use or possibly used Aqueous Film Forming Foam (AFFF). This list is made available by the Florida Department of Environmental Protection (DEP).

Government Publication Date: Mar 6, 2023

PFAS Investigation at Federal Facilities: PFAS

List of sites - including Federal Facilities - in Florida at which either a) there has been confirmed or suspected usage of Aqueous Film Forming Foam (AFFF), or b) the Division of Waste Management has identified as a potential source or environmental impact related to per- and polyfluoroalkyl substances (PFAS). The Florida Department of Environmental Protection (DEP) is committed to the protection of the groundwater resources of the state and the public health and safety of residents. The DEP will continue its efforts to investigate and understand PFAS in the environment and the ecological and human health risks associated with PFAS contamination. Listings made available by the Florida Department of Environmental Protection (DEP).

Government Publication Date: May 24, 2023

Ground Water Contamination Areas: GW CONTAM

List of areas of known groundwater contamination made available by the Florida Department of Environmental Protection (DEP). 38 counties have been delineated primarily for the agricultural pesticide ethylene dibromide (EDB), and to a much lesser extent, volatile organic and petroleum contaminants. Permitted water wells in these areas must meet specific well construction criteria and water testing prior to well use. This dataset only indicates the presence or absence of specific groundwater contaminants and does not represent all known sources of groundwater contamination in the state of Florida.

Government Publication Date: Jan 18, 2023

Underground Injection Control Wells: UIC

Class I Underground Injection Control (UIC) wells that are currently or were previously active, as well as proposed sites, regulated by the Florida Department of Environmental Protection (FDEP). Class I UIC wells are used to inject nonhazardous waste, hazardous waste (new hazardous waste wells were banned in 1983), or municipal waste below the lowermost underground source of drinking water.

Government Publication Date: Apr 27, 2023

Well Surveillance Program Facilities: WELL SURVEILLANCE

List of facilities made available by the Florida Health Well Surveillance group. The Well Surveillance group manages several programs to identify and monitor areas in Florida where contaminated drinking water is suspected and may pose a threat to public health. The section coordinates with the County Health Departments (CHDs) to locate potable wells and conduct water sampling for contaminants of concern. The Well Surveillance Section is composed of the State Underground Petroleum Environmental Response Act (SUPER Act), Drinking Water Toxics Program (Toxics), Drycleaner Solvent Cleanup Program (DSCP). Includes locations of known cattle dipping vats.

Government Publication Date: Apr 25, 2023

Cattle Dip Vats: CDV SOUTHEAST

A list of Cattle Dip Vats in Southeast Florida made available by the Florida Department of Environmental Protection.

Government Publication Date: Jan 19, 2017

Tier 2 Report: TIER 2

A list of Tier 2 facilities in the state of Florida. The list tracks the inventory of chemicals within a particular facility. This list is provided by the Florida Division of Emergency Management.

Government Publication Date: Mar 6, 2023

Delisted County Records: DELISTED COUNTY

Records removed from county databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: May 8, 2023

Tribal

No Tribal additional environmental record sources available for this State.

County

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

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		23060700318p
Date Completed:		June 7, 2023
Project Number:		B2304843
Project Property:		St. Augustine Affordable Housing Development 6351 County Road 16a St. Augustine FL 32092
Coordinates:		
	Latitude:	29.97666312
	Longitude:	-81.51671733
	UTM Northing:	3316311.75241 Meters
	UTM Easting:	450151.811861 Meters
	UTM Zone:	UTM Zone 17R
	Elevation:	23.95 ft
	Slope Direction:	NW

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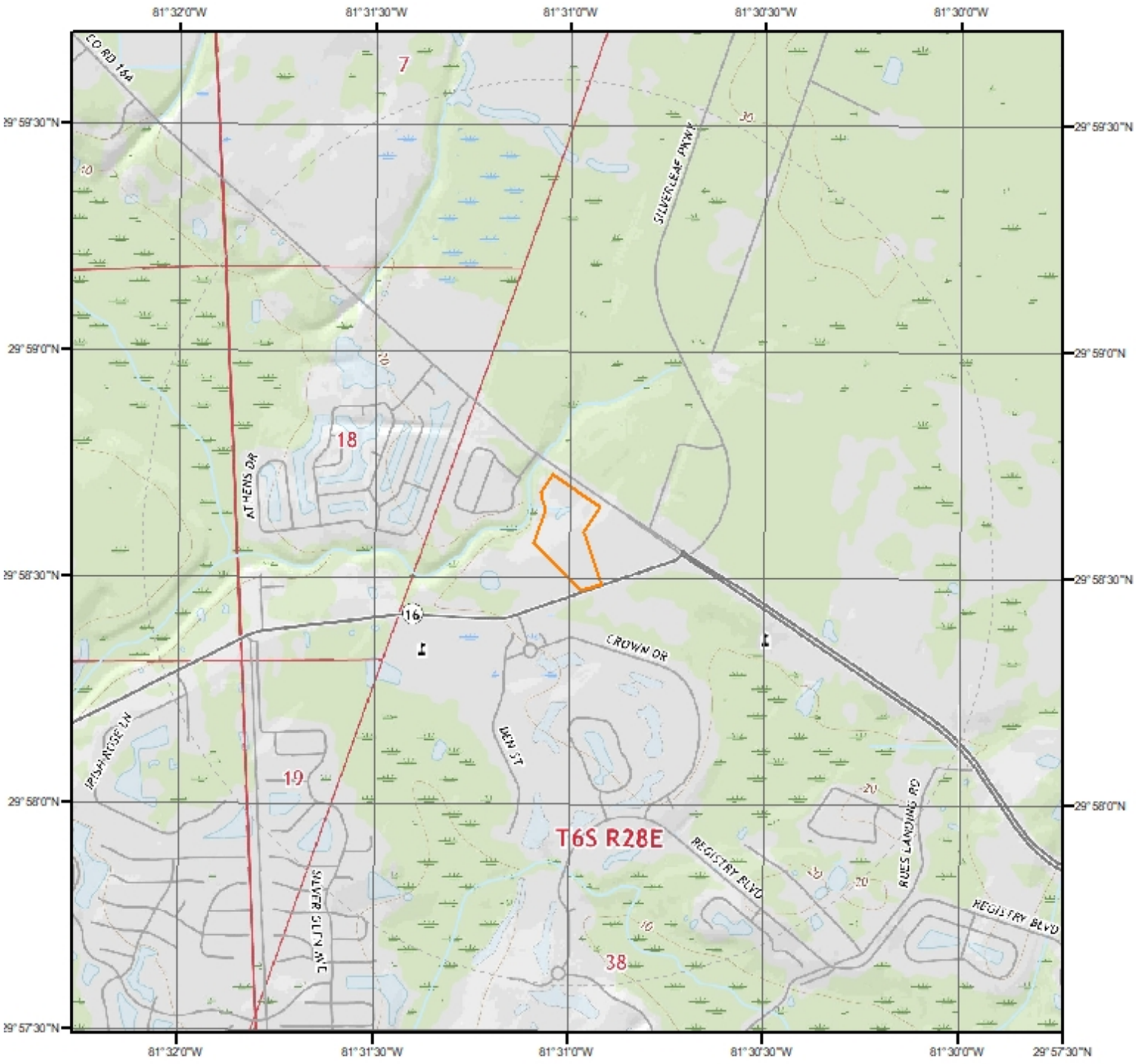
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2021)

Miles
0 0.2 0.4 0.8

N

Quadrangle(s): Bakersville, FL; Picolata, FL

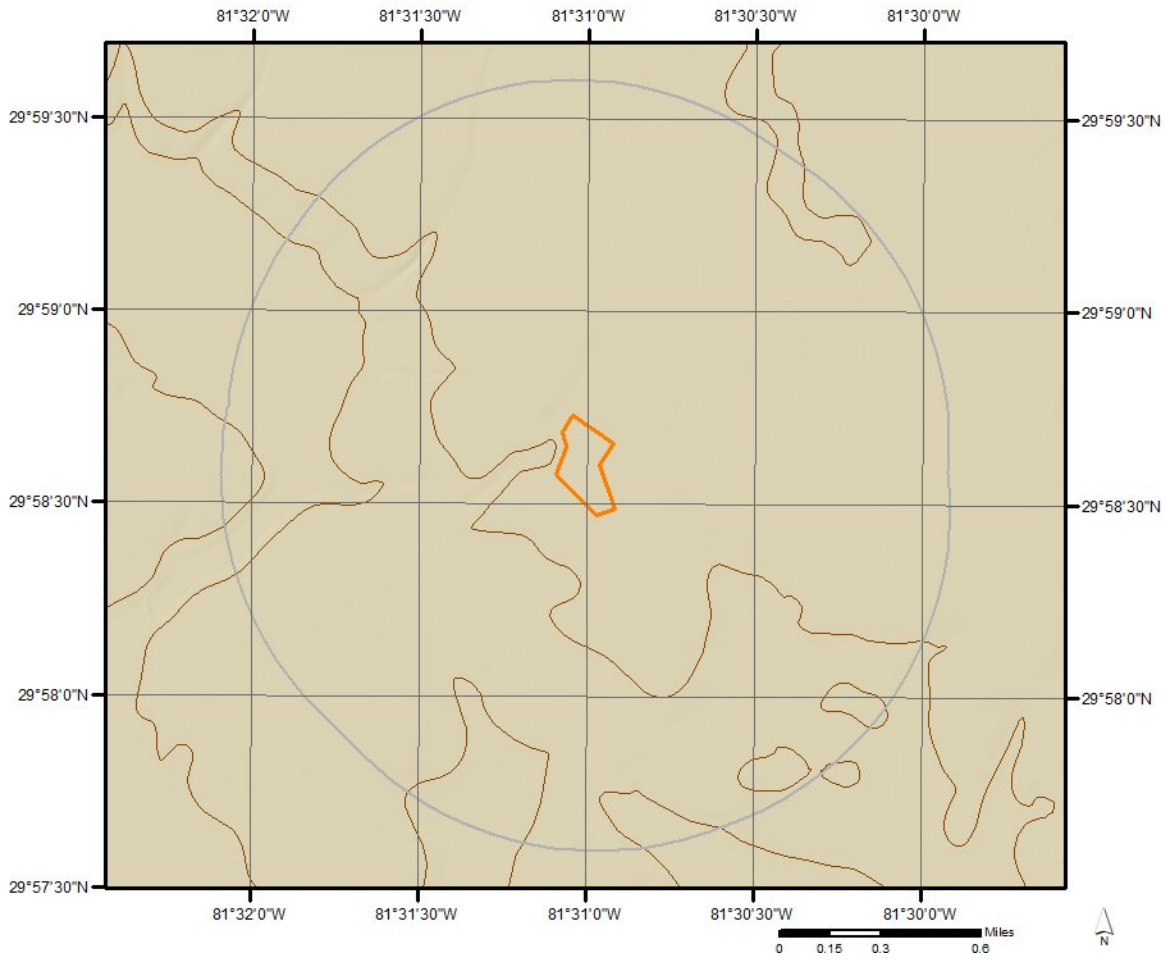
Source: USGS 7.5 Minute Topographic Map

Topographic Information

The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	23.95 ft
Slope Direction:	NW



Hydrologic Information



Wetland

0 0.075 0.15 0.3 Miles

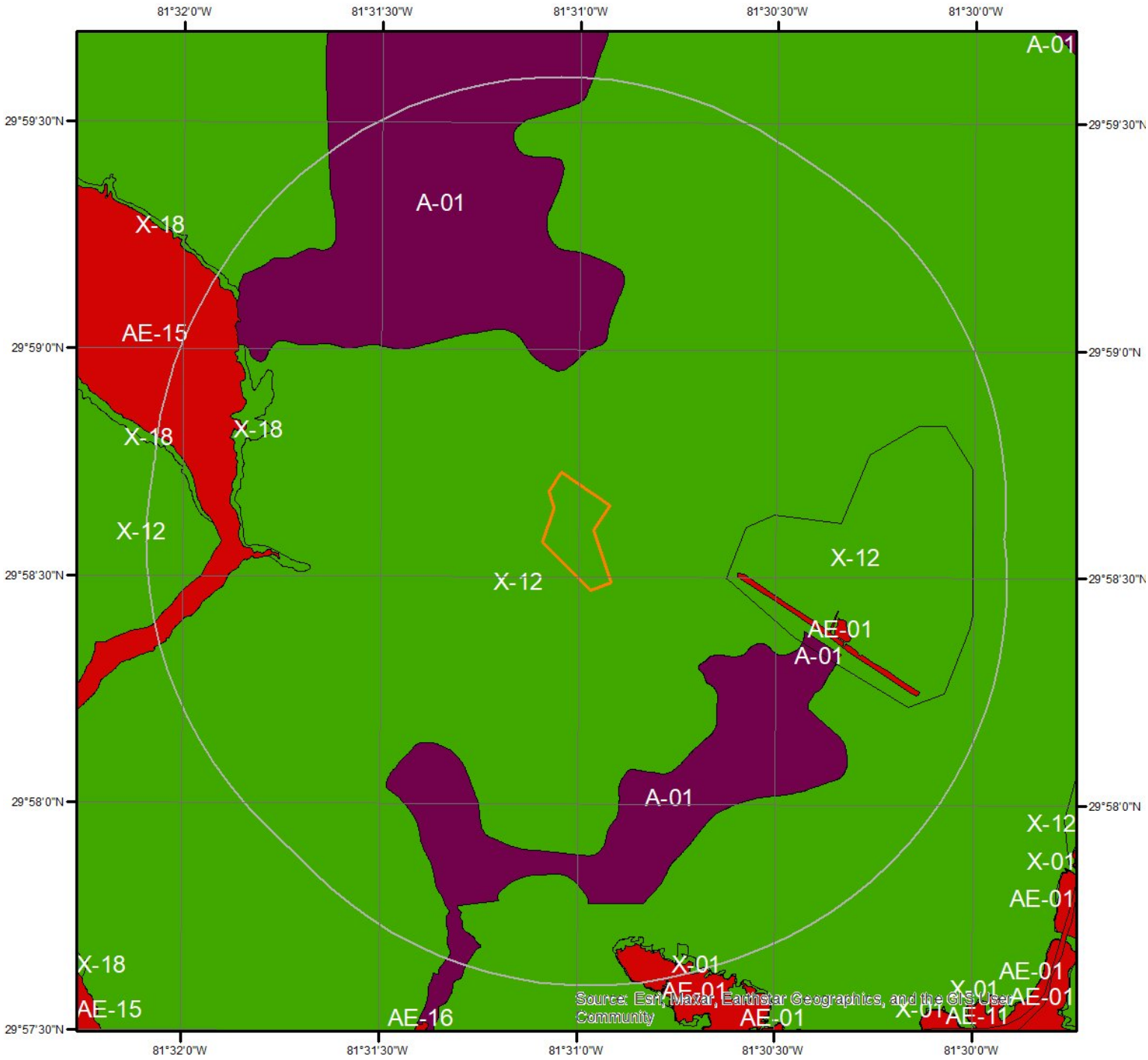
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

Hydrologic Information

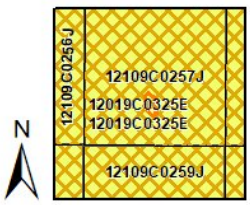


Flood Hazard Zones

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED



Quadrangle(s): Bakersville,FL; Picolata,FL

ERIS

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	12019C0325E(effective:2014-03-17) 12019C0325E(effective:2014-03-17) 12109C0276J(effective:2018-12-07) 12109C0257J(effective:2018-12-07) 12109C0256J(effective:2018-12-07) 12109C0259J(effective:2018-12-07) 12109C0258J(effective:2018-12-07)

Flood Zone A-01

Zone:	A
Zone subtype:	

Flood Zone AE-01

Zone:	AE
Zone subtype:	

Flood Zone AE-15

Zone:	AE
Zone subtype:	COASTAL FLOODPLAIN

Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

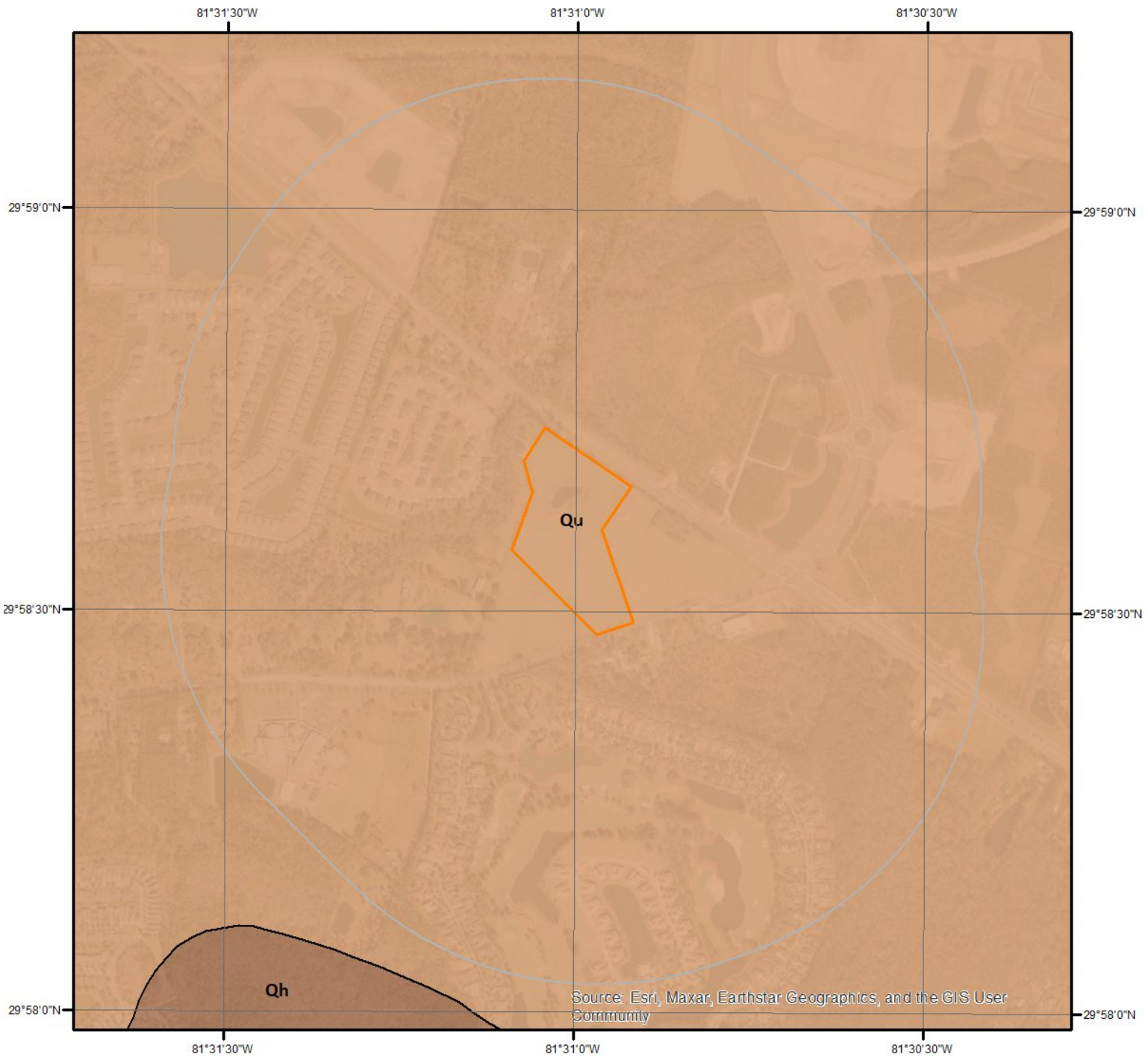
Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Flood Zone X-18

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD IN COASTAL ZONE

Geologic Information



0 0.275 0.55 Miles

N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS

0 0.35 0.7 Miles

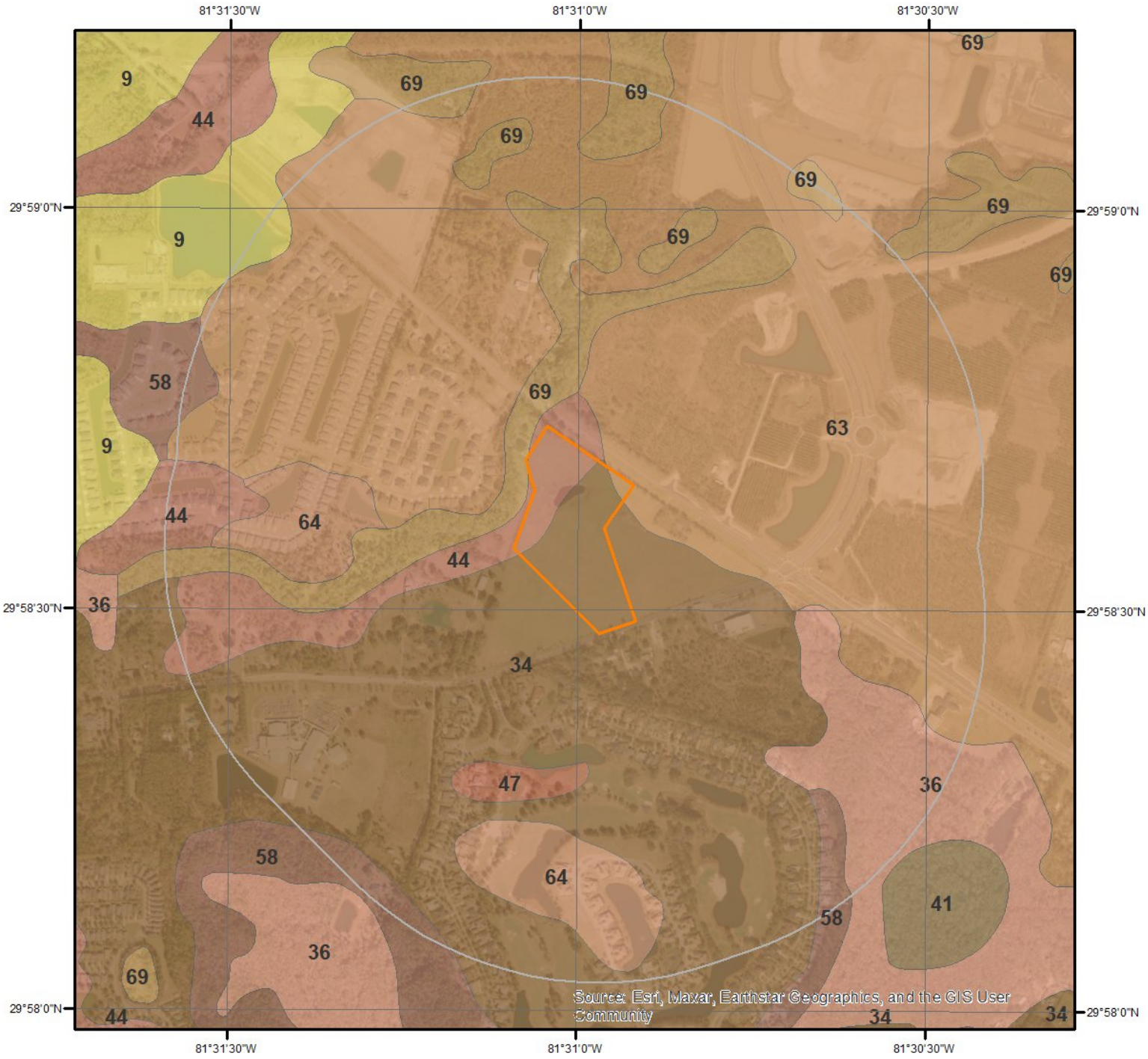
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Qu

Unit Name:	Undifferentiated sediments
Unit Age:	Pleistocene/Holocene
Primary Rock Type:	clay or mud
Secondary Rock Type:	beach sand
Unit Description:	Undifferentiated sediments - Undifferentiated Quaternary Sediments - Much of Florida's surface is covered by a varying thickness of undifferentiated sediments consisting of siliciclastics, organics and freshwater carbonates. Where these sediments exceed 20 feet (6.1 meters) thick, they were mapped as discrete units. In an effort to subdivide the undifferentiated sediments, those sediments occurring in flood plains were mapped as alluvial and flood plain deposits (Qal). Sediments showing surficial expression of beach ridges and dunes were mapped separately (Qbd) as were the sediments composing Trail Ridge (Qtr). Terrace sands were not mapped (refer to Healy [1975] for a discussion of the terraces in Florida). The subdivisions of the Undifferentiated Quaternary Sediments (Qu) are not lithostratigraphic units but are utilized in order to facilitate a better understanding of the State's geology. The siliciclastics are light gray, tan, brown to black, unconsolidated to poorly consolidated, clean to clayey, silty, unfossiliferous, variably organic-bearing sands to blue green to olive green, poorly to moderately consolidated, sandy, silty clays. Gravel is occasionally present in the panhandle. Organics occur as plant debris, roots, disseminated organic matrix and beds of peat. Freshwater carbonates, often referred to as marls in the literature, are scatteredover much of the State. In southern Florida, freshwater carbonates are nearly ubiquitous in the Everglades. These sediments are buff colored to tan, unconsolidated to poorly consolidated, fossiliferous carbonate muds. Sand, silt and clay may be present in limited quantities. These carbonates often contain organics. The dominant fossils in the freshwater carbonates are mollusks.

Soil Information



SSURGO Soils

0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit 34 (4.5%)

Map Unit Name:	Tocoi fine sand
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Tocoi(65%)	
horizon A(0cm to 33cm)	Fine sand
horizon Bh(33cm to 58cm)	Fine sand
horizon B/E(58cm to 114cm)	Fine sand
horizon Btg(114cm to 193cm)	Loamy fine sand
horizon Cg(193cm to 203cm)	Loamy fine sand
Tocoi(20%)	
horizon A(0cm to 33cm)	Fine sand
horizon Bh(33cm to 58cm)	Fine sand
horizon B/E(58cm to 114cm)	Fine sand
horizon Btg(114cm to 193cm)	Loamy fine sand
horizon Cg(193cm to 203cm)	Loamy fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 34 - Tocoi fine sand

Component: Tocoi (65%)
The Tocoi, nonhydric component makes up 65 percent of the map unit. Slopes are 0 to 2 percent. This component is on flatwoods on marine terraces on coastal plains. The parent material consists of sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, August, September, October, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Tocoi (20%)
The Tocoi, hydric component makes up 20 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats on marine terraces on coastal plains. The parent material consists of sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, August, September, October, November. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Pompano (3%)
Generated brief soil descriptions are created for major soil components. The Pompano, hydric soil is a minor component.

Component: Myakka (3%)
Generated brief soil descriptions are created for major soil components. The Myakka, nonhydric soil is a minor component.

Component: St. Johns (3%)

Soil Information

Generated brief soil descriptions are created for major soil components. The St. Johns, hydric soil is a minor component.

Component: Ona (3%)
Generated brief soil descriptions are created for major soil components. The Ona, nonhydric soil is a minor component.

Component: Placid (3%)
Generated brief soil descriptions are created for major soil components. The Placid soil is a minor component.

Map Unit 36 (70.31%)

Map Unit Name:	Riviera fine sand, frequently flooded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Riviera(85%)

horizon A(0cm to 25cm)	Fine sand
horizon E(25cm to 58cm)	Fine sand
horizon E and Bt(58cm to 71cm)	Fine sandy loam
horizon B/Cg(71cm to 180cm)	Fine sandy loam
horizon 2Cg(180cm to 203cm)	Loamy fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 36 - Riviera fine sand, frequently flooded

Component: Riviera (85%)
The Riviera, frequently flooded component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on flood plains on marine terraces on coastal plains, drainageways on marine terraces on coastal plains. The parent material consists of sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during July, August, September, October. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Holopaw (3%)
Generated brief soil descriptions are created for major soil components. The Holopaw, frequently flooded soil is a minor component.

Component: Manatee (3%)
Generated brief soil descriptions are created for major soil components. The Manatee soil is a minor component.

Component: Winder (3%)
Generated brief soil descriptions are created for major soil components. The Winder, frequently flooded soil is a minor component.

Component: Bluff (3%)
Generated brief soil descriptions are created for major soil components. The Bluff soil is a minor component.

Component: Floridana (3%)
Generated brief soil descriptions are created for major soil components. The Floridana, frequently flooded soil is a minor component.

Map Unit 44 (0.52%)

Map Unit Name:	Sparr fine sand, 0 to 5 percent slopes
Bedrock Depth - Min:	

Soil Information

Watertable Depth - Annual Min:	77cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Sparr(85%)

horizon A(0cm to 8cm)	Fine sand
horizon E(8cm to 173cm)	Fine sand
horizon Btg(173cm to 203cm)	Fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 44 - Sparr fine sand, 0 to 5 percent slopes

Component: Sparr (85%)
The Sparr component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on rises on marine terraces on coastal plains, knolls on marine terraces on coastal plains. The parent material consists of sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during July, August, September, October. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Adamsville (4%)
Generated brief soil descriptions are created for major soil components. The Adamsville soil is a minor component.

Component: Pomona (4%)
Generated brief soil descriptions are created for major soil components. The Pomona, nonhydric soil is a minor component.

Component: Ona (4%)
Generated brief soil descriptions are created for major soil components. The Ona, nonhydric soil is a minor component.

Component: Tavares (3%)
Generated brief soil descriptions are created for major soil components. The Tavares soil is a minor component.

Map Unit 47 (0.06%)

Map Unit Name:	Holopaw fine sand, frequently flooded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Holopaw(90%)

horizon A(0cm to 15cm)	Fine sand
horizon Eg(15cm to 127cm)	Fine sand
horizon Btg(127cm to 173cm)	Fine sandy loam
horizon Cg(173cm to 203cm)	Loamy fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 47 - Holopaw fine sand, frequently flooded

Component: Holopaw (90%)

Soil Information

The Holopaw, frequently flooded component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on drainageways on marine terraces on coastal plains. The parent material consists of sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Floridana (4%)
Generated brief soil descriptions are created for major soil components. The Floridana, frequently flooded soil is a minor component.

Component: Riviera (3%)
Generated brief soil descriptions are created for major soil components. The Riviera, frequently flooded soil is a minor component.

Component: Myakka (3%)
Generated brief soil descriptions are created for major soil components. The Myakka, depressional soil is a minor component.

Map Unit 58 (1.08%)

Map Unit Name:	EauGallie fine sand
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.
Major components are printed below	
EauGallie(70%)	
horizon A(0cm to 15cm)	Fine sand
horizon E(15cm to 43cm)	Fine sand
horizon Bh(43cm to 58cm)	Fine sand
horizon B/E(58cm to 135cm)	Fine sand
horizon Btg(135cm to 147cm)	Fine sandy loam
horizon Cg(147cm to 203cm)	Fine sand
EauGallie(15%)	
horizon A(0cm to 15cm)	Fine sand
horizon E(15cm to 43cm)	Fine sand
horizon Bh(43cm to 58cm)	Fine sand
horizon B/E(58cm to 135cm)	Fine sand
horizon Btg(135cm to 147cm)	Fine sandy loam
horizon Cg(147cm to 203cm)	Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 58 - EauGallie fine sand

Component: EauGallie (70%)
The EauGallie, nonhydric component makes up 70 percent of the map unit. Slopes are 0 to 2 percent. This component is on rises on marine terraces on coastal plains, knolls on marine terraces on coastal plains. The parent material consists of sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during June, July, August, September, October. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: EauGallie (15%)
The EauGallie, hydric component makes up 15 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats on

marine terraces on coastal plains. The parent material consists of sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during June, July, August, September. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Myakka (5%)
Generated brief soil descriptions are created for major soil components. The Myakka, nonhydric soil is a minor component.

Component: Wabasso (5%)
Generated brief soil descriptions are created for major soil components. The Wabasso soil is a minor component.

Component: Riviera (5%)
Generated brief soil descriptions are created for major soil components. The Riviera, hydric soil is a minor component.

Map Unit 63 (16.66%)

Map Unit Name:	Placid fine sand
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Placid(85%)

horizon A(0cm to 30cm)	Fine sand
horizon C(30cm to 203cm)	Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 63 - Placid fine sand

Component: Placid (85%)
The Placid component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats on marine terraces on coastal plains. The parent material consists of sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during June, July, August, September, October. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Holopaw (4%)
Generated brief soil descriptions are created for major soil components. The Holopaw, hydric soil is a minor component.

Component: Ellzey (4%)
Generated brief soil descriptions are created for major soil components. The Ellzey, hydric soil is a minor component.

Component: Floridana (4%)
Generated brief soil descriptions are created for major soil components. The Floridana, hydric soil is a minor component.

Component: Tocoi (3%)
Generated brief soil descriptions are created for major soil components. The Tocoi, hydric soil is a minor component.

Map Unit 64 (0.45%)

Map Unit Name:	Ellzey fine sand

Soil Information

Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Ellzey(60%)

horizon A(0cm to 30cm)	Fine sand
horizon E and Bw(30cm to 94cm)	Fine sand
horizon Bt(94cm to 147cm)	Loamy fine sand
horizon B/C(147cm to 203cm)	Fine sand

Ellzey(30%)

horizon A(0cm to 30cm)	Fine sand
horizon E and Bw(30cm to 94cm)	Fine sand
horizon Bt(94cm to 147cm)	Loamy fine sand
horizon B/C(147cm to 203cm)	Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 64 - Ellzey fine sand

Component: Ellzey (60%)
The Ellzey, nonhydric component makes up 60 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats on marine terraces, coastal plains. The parent material consists of sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during June, July, August, September, October. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Ellzey (30%)
The Ellzey, hydric component makes up 30 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats on marine terraces, coastal plains. The parent material consists of sandy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during June, July, August, September. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Floridana (5%)
Generated brief soil descriptions are created for major soil components. The Floridana, hydric soil is a minor component.

Component: Pompano (5%)
Generated brief soil descriptions are created for major soil components. The Pompano, hydric soil is a minor component.

Map Unit 69 (1.07%)

Map Unit Name:	Bakersville muck
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Bakersville(100%)

horizon Oa(0cm to 13cm)	Muck
horizon A(13cm to 104cm)	Loamy fine sand
horizon B(104cm to 150cm)	Fine sandy loam
horizon B/Cg(150cm to 218cm)	Loamy fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 69 - Bakersville muck

Component: Bakersville (100%)
The Bakersville component makes up 100 percent of the map unit. Slopes are 0 to 2 percent. This component is on depressions on marine terraces on coastal plains. The parent material consists of sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 6 inches (depth from the mineral surface is 1 inches) during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 35 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Map Unit 9 (5.36%)

Map Unit Name:	Pomona fine sand
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Pomona(70%)	
horizon A(0cm to 15cm)	Fine sand
horizon E(15cm to 53cm)	Fine sand
horizon Bh(53cm to 79cm)	Fine sand
horizon E'(79cm to 119cm)	Fine sand
horizon Btg(119cm to 160cm)	Fine sandy loam
horizon C(160cm to 203cm)	Fine sand
Pomona(20%)	
horizon A(0cm to 15cm)	Fine sand
horizon E(15cm to 53cm)	Fine sand
horizon Bh(53cm to 79cm)	Fine sand
horizon E'(79cm to 119cm)	Fine sand
horizon Btg(119cm to 160cm)	Fine sandy loam
horizon C(160cm to 203cm)	Fine sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 9 - Pomona fine sand

Component: Pomona (70%)
The Pomona, nonhydric component makes up 70 percent of the map unit. Slopes are 0 to 2 percent. This component is on flatwoods on marine terraces on coastal plains. The parent material consists of sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during July, August, September. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 4w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Soil Information

Component: Pomona (20%)
The Pomona, hydric component makes up 20 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats on marine terraces on coastal plains. The parent material consists of sandy and loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during July, August, September. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Myakka (2%)
Generated brief soil descriptions are created for major soil components. The Myakka, nonhydric soil is a minor component.

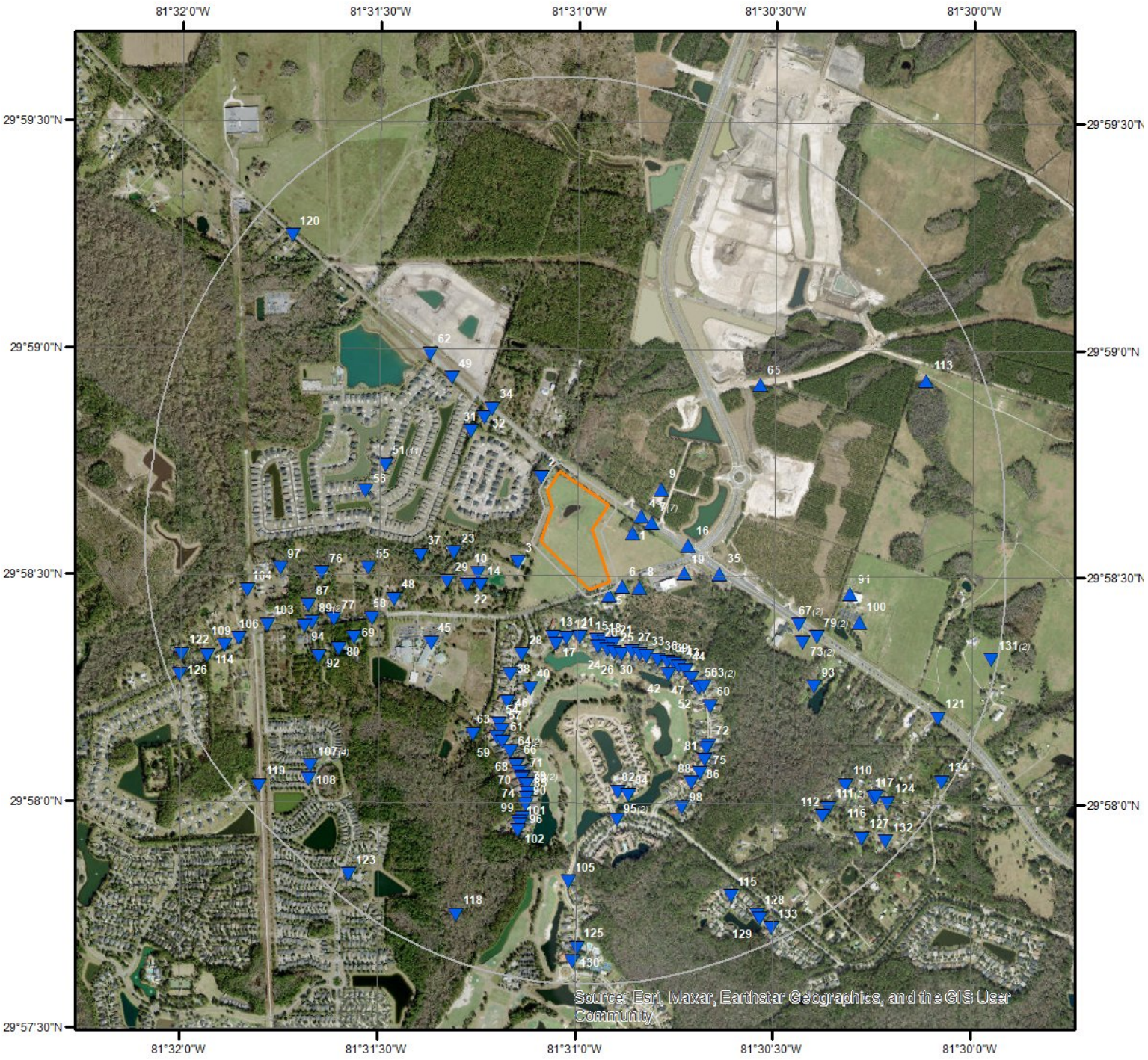
Component: St. Johns (2%)
Generated brief soil descriptions are created for major soil components. The St. Johns, hydric soil is a minor component.

Component: EauGallie (2%)
Generated brief soil descriptions are created for major soil components. The EauGallie, nonhydric soil is a minor component.

Component: Wesconnett (2%)
Generated brief soil descriptions are created for major soil components. The Wesconnett soil is a minor component.

Component: Bakersville (2%)
Generated brief soil descriptions are created for major soil components. The Bakersville soil is a minor component.

Wells and Additional Sources



Wells & Additional Sources

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
67	FL2554366	2597.22	ESE

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
67	FL2554366	2597.22	ESE

Wells from NWIS

Map Key	ID	Distance (ft)	Direction
	No records found		

State Sources

Florida Subsidence Incident Reports

Map Key	ID	Distance (ft)	Direction
	No records found		

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Public Water Supply Wells

Map Key	Gis Well ID	Distance (ft)	Direction
73	3777	2705.77	ESE
91	39177	3216.51	ESE
113	71744	4556.86	ENE

Underground Injection Control Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Water Use Permits Sites - South Florida Water Management District

Map Key	ID	Distance (ft)	Direction
	No records found		

Wells and Additional Sources Summary

Water Well Completions - Northwest Florida Water Management District

Map Key	ID	Distance (ft)	Direction
	No records found		

Water Well Completions - St. Johns River Water Management District

Map Key	Permit	Distance (ft)	Direction
4	-	469.72	ENE
7	-	629.88	E
7	-	629.88	E
7	-	629.88	E
7	-	629.88	E
7	-	629.88	E
7	-	629.88	E
7	-	629.88	E
11	-	659.38	S
12	-	731.35	S
13	-	808.68	SSW
15	-	699.68	S
16	-	1154.05	E
17	-	862.23	S
18	-	749.97	SSE
20	-	788.66	S
21	-	807.03	SSE
24	-	859.27	SSE
25	-	915.30	SSE
26	-	975.66	SSE
27	-	990.01	SSE
28	-	1259.06	SSW
30	-	1051.77	SSE
33	-	1115.01	SSE
34	-	1220.58	NW
35	-	1475.29	ESE
36	-	1237.31	SSE
38	-	1558.27	SSW
39	-	1326.48	SE
40	-	1551.78	SSW
41	-	1399.65	SE
42	-	1463.26	SSE
43	-	1472.19	SE
44	-	1563.42	SE
45	-	1998.53	SW
46	-	1864.16	SSW
47	-	1695.95	SE
50	-	1836.65	SE
51	-	2188.84	WNW
51	-	2188.84	WNW
51	-	2188.84	WNW
51	-	2188.84	WNW
51	-	2188.84	WNW
51	-	2188.84	WNW
51	-	2188.84	WNW
51	-	2188.84	WNW
51	-	2188.84	WNW
51	-	2188.84	WNW
51	-	2188.84	WNW
52	-	1861.51	SE
53	-	1892.66	SE
53	-	1892.66	SE
54	-	2174.64	SSW

Wells and Additional Sources Summary

57	-	2225.32	SSW
59	-	2338.70	SSW
60	-	2141.01	SE
61	-	2346.60	SSW
62	-	2329.00	NW
64	-	2418.99	SSW
64	-	2418.99	SSW
65	148802-1	2582.22	NE
66	-	2540.43	SSW
68	-	2562.00	SSW
70	-	2631.66	SSW
71	-	2673.93	SSW
72	-	2558.84	SSE
74	-	2697.11	SSW
75	-	2580.70	SSE
77	-	2948.56	WSW
78	-	2749.79	S
78	-	2749.79	S
79	-	2864.12	ESE
79	-	2864.12	ESE
81	-	2705.00	SSE
82	-	2750.26	S
83	-	2856.74	S
84	-	2804.90	SSE
85	-	2917.92	S
86	-	2824.56	SSE
88	-	2907.51	SSE
89	-	3238.25	WSW
89	-	3238.25	WSW
90	-	3011.37	S
94	-	3349.86	WSW
95	-	3113.42	S
95	-	3113.42	S
96	-	3193.65	S
98	-	3170.79	SSE
99	-	3256.57	S
100	-	3380.15	ESE
101	-	3291.85	S
102	-	3368.06	S
103	-	3812.36	WSW
105	-	3933.49	S
106	-	4227.17	WSW
107	-	4301.84	SW
107	-	4301.84	SW
107	-	4301.84	SW
107	-	4301.84	SW
108	-	4441.61	SW
109	-	4435.43	WSW
110	-	4166.60	SE
111	-	4209.78	SE
111	-	4209.78	SE
112	-	4237.52	SE
114	-	4698.20	WSW
115	-	4503.63	SSE
116	-	4565.27	SE
117	-	4576.66	SE
118	-	4706.80	SSW
119	-	4981.04	SW
120	-	4749.38	NW
121	-	4749.31	ESE
123	-	4990.71	SSW
124	-	4749.85	SE
125	-	4806.45	S
126	-	5129.65	WSW
127	-	4812.29	SE
128	-	4868.61	SSE

129	-	4927.88	SSE
130	-	4991.39	S
131	-	5200.63	ESE
131	-	5200.63	ESE
132	-	5065.92	SE
133	-	5114.00	SSE
134	-	5177.91	SE

Water Well Completions - Suwanee River Water Management District

Map Key	ID	Distance (ft)	Direction
	No records found		

Water Well Construction Permits

Map Key	Permit No	Distance (ft)	Direction
31	141383-1	1276.36	NW
49	141385-1	1895.86	NW
56	141384-1	2419.58	W

Water Well Construction Permits - Southwest Florida Water Management District

Map Key	ID	Distance (ft)	Direction
	No records found		

Water Wells - Suwanee River Water Management District

Map Key	ID	Distance (ft)	Direction
	No records found		

Well Surveillance Program Water Wells

Map Key	Permit No	Distance (ft)	Direction
1		479.33	E
2		162.21	NNW
3		419.50	WSW
5		160.73	SSE
6		182.99	SE
8		413.06	SE
9		741.37	ENE
10		940.75	WSW
14		1000.73	WSW
19		1002.72	ESE
22		1144.85	WSW
23		1162.19	W
29		1355.02	WSW
32		1225.44	NW
37		1615.29	W
48		2100.02	WSW
55		2325.06	W
58		2475.99	WSW
63		2488.15	SSW
69		2801.44	WSW
73	2554366	2705.77	ESE
76		2949.08	W
80		3047.96	WSW

Wells and Additional Sources Summary

87	3212.20	WSW
92	3331.03	WSW
93	3072.80	ESE
97	3490.05	W
104	3965.35	W
122	5016.80	WSW

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	ESE	0.49	2,597.22	23.75	PWSV

Address Line 2:
State Code: FL
Zip Code: 32092
City Name: ST. AUGUSTINE
Address Line 1: 6019 SR 16A
PWS ID: FL2554366
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 904-940-3130

--Details--
Population Served Count: 200
City Served: ST. AUGUSTINE
County Served: St. Johns
State Served: FL
Zip Code Served:

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	ESE	0.49	2,597.22	23.75	SDWIS

PWS ID: FL2554366
PWS Type: Transient non-community system
No of Facilities: 2
No of Violations: 3
No of Site Visits: 11
Cities Served: ST. AUGUSTINE
Counties Served: St. Johns
Population Served Count: 250
Primacy Agency: Florida
EPA Region: Region 4

Public Water Supply Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	ESE	0.51	2,705.77	22.35	PWSW

PWS Status:	ACTIVE	Well Name:	WELL
PWS Name:	MILL CREEK BAPTIST CHURCH	Fluwid:	AAC1358
PWS City:	ST. AUGUSTINE	Well Status:	ACTIVE
PWS Zip5:	32092	WellHghtAbvElipsd:	0.032
PWS Type Code:	N	WellCoordDate:	27-Jun-1997
PWS Type:	NONCOMMUNITY	Well Plant ID:	1
Well Lat Dd:	29	Well Year Drilled:	1992
Well Lat Mm:	58	Well Depth Drilled:	315
Well Lat Ss:	21.233	WellAvilbltyUsage:	PERMANENT
Well Long Dd:	81	Object id:	3777
Well Long Mm:	30	Gis Well ID:	3777
Well Long Ss:	25.596	Pws ID:	2554366
PWS Subpart H:	NO	Pws Primary Phone:	9049403130
PWS Operator:	RONNIE BROWN	Well Method:	DGPS
PWS Pop Served:	250	Well Datum:	83
PWSLastSanSurvey:	06-Sep-2016	Well ID:	1
PWS DesignCapacity:	10796	X:	-81.507110000003
PWS PrmrySrvcArea:	CHURCH	Y:	29.9725647222266
Pws Cnp County ID:	55	WellUdrDrctInflunc:	NO
Pws Oc1 Office ID:	NED	Aquifer:	Floridan Aquifer
LctnsPwsLocationID:	9454		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	ESE	0.61	3,216.51	24.78	PWSW

PWS Status:	ACTIVE	Well Name:	WELL
PWS Name:	OUR LADY OF GOOD COUNSEL	Fluwid:	AAL1895
PWS City:	ST. AUGUSTINE	Well Status:	ACTIVE
PWS Zip5:	32092	WellHghtAbvElipsd:	0
PWS Type Code:	N	WellCoordDate:	08-Nov-2019
PWS Type:	NONCOMMUNITY	Well Plant ID:	1
Well Lat Dd:	29	Well Year Drilled:	0
Well Lat Mm:	58	Well Depth Drilled:	0
Well Lat Ss:	27.7164	WellAvilbltyUsage:	PERMANENT
Well Long Dd:	81	Object id:	39177
Well Long Mm:	30	Gis Well ID:	39177
Well Long Ss:	18.4338	Pws ID:	2554490
PWS Subpart H:	NO	Pws Primary Phone:	9048248688
PWS Operator:	ROY RUNION	Well Method:	DPHO
PWS Pop Served:	70	Well Datum:	83
PWSLastSanSurvey:	07-Nov-2019	Well ID:	1
PWS DesignCapacity:	5503	X:	-81.5051204999983
PWS PrmrySrvcArea:	CHURCH	Y:	29.9743656666669
Pws Cnp County ID:	55	WellUdrDrctInflunc:	
Pws Oc1 Office ID:	NED	Aquifer:	Floridan Aquifer

LctnsPwsLocationID: 87438

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	ENE	0.86	4,556.86	27.50	PWSW

PWS Status:	ACTIVE	Well Name:	NW-6
PWS Name:	SJCU-NORTHWEST UTILITIES WTP	Fluwid:	
PWS City:	ST. AUGUSTINE	Well Status:	ACTIVE
PWS Zip5:	32092	WellHghtAbvElipsd:	0
PWS Type Code:	C	WellCoordDate:	01-Apr-2019
PWS Type:	COMMUNITY	Well Plant ID:	1
Well Lat Dd:	29	Well Year Drilled:	0
Well Lat Mm:	58	Well Depth Drilled:	0
Well Lat Ss:	56	WellAvilbltyUsage:	PERMANENT
Well Long Dd:	81	Object id:	71744
Well Long Mm:	30	Gis Well ID:	71744
Well Long Ss:	7.0001	Pws ID:	2554471
PWS Subpart H:	NO	Pws Primary Phone:	9045220243
PWS Operator:	MR. JEFF HATCHER	Well Method:	DPHO
PWS Pop Served:	20312	Well Datum:	83
PWSLastSanSurvey:	13-Mar-2018	Well ID:	6
PWS DesignCapacity:	6000000	X:	-81.5019444722237
PWS PrmrySrvcArea:	MUNICIPAL/CITY	Y:	29.9822222222211
Pws Cnp County ID:	55	WellUdrDrctInflunc:	
Pws Oc1 Office ID:	NED	Aquifer:	Floridan Aquifer
LctnsPwsLocationID:	157687		

Water Well Completions - St. Johns River Water Management District

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	ENE	0.09	469.72	25.77	WATER WELLS

Permit:	-	Static Water Lvl Ft:	5
Legacy No:	-	Contractor License:	-
Station ID:	165415	Contractor Name:	-
Compliance No:	830446	Driller Name:	Callen Dayman
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	240	Section:	12
Total Depth:	340	Township:	6S
Diameter:	4	Range:	27E
Completion Date:	07/22/2003	Latitude:	295837.904376
Issue Date:	-	Longitude:	813050.115168
Well Street Address:	69002 Cr 16A		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Renditi		

on=Web&dDocName=EREG_1555818

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	E	0.12	629.88	25.33	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	130700	Contractor Name:	-
Compliance No:	789403	Driller Name:	Paul Young?
Well Use:	Monitoring	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	126	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	03/28/2003	Latitude:	295837.112232
Issue Date:	-	Longitude:	813048.507444
Well Street Address:	6260 Hwy 16A		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1511965		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	E	0.12	629.88	25.33	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	101595	Contractor Name:	-
Compliance No:	553082	Driller Name:	DOUG CORBITT
Well Use:	Monitoring	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	12	Section:	38
Total Depth:	12	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	10/05/2001	Latitude:	295837.112232
Issue Date:	-	Longitude:	813048.507444
Well Street Address:	6260 HWY 16A		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1486189		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	E	0.12	629.88	25.33	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-

Wells and Additional Sources Detail Report

Station ID:	130704	Contractor Name:	-
Compliance No:	789407	Driller Name:	Paul Young?
Well Use:	Monitoring	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	13	Section:	38
Total Depth:	126	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	03/28/2003	Latitude:	295837.112232
Issue Date:	-	Longitude:	813048.507444
Well Street Address:	6260 Hwy 16A		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1510040		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	E	0.12	629.88	25.33	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	130702	Contractor Name:	-
Compliance No:	789405	Driller Name:	Paul Young?
Well Use:	Monitoring	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	126	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	03/28/2003	Latitude:	295837.112232
Issue Date:	-	Longitude:	813048.507444
Well Street Address:	6260 HWY 16A		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1509182		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	E	0.12	629.88	25.33	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	130705	Contractor Name:	-
Compliance No:	789408	Driller Name:	Paul Young?
Well Use:	Monitoring	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	126	Township:	6S
Diameter:	0	Range:	28E

Wells and Additional Sources Detail Report

Completion Date:	03/28/2003	Latitude:	295837.112232
Issue Date:	-	Longitude:	813048.507444
Well Street Address:	6260 Hwy 16A		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1509919		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	E	0.12	629.88	25.33	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	130708	Contractor Name:	-
Compliance No:	789411	Driller Name:	Paul Young?
Well Use:	Monitoring	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	126	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	03/28/2003	Latitude:	295837.112232
Issue Date:	-	Longitude:	813048.507444
Well Street Address:	6260 Hwy 16A		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1506852		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	E	0.12	629.88	25.33	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	101604	Contractor Name:	-
Compliance No:	553091	Driller Name:	DOUG CORBITT
Well Use:	Monitoring	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	12	Section:	38
Total Depth:	12	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	10/05/2001	Latitude:	295837.112232
Issue Date:	-	Longitude:	813048.507444
Well Street Address:	6260 HWY 16A		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1479203		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	S	0.12	659.38	21.32	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	148847	Contractor Name:	-
Compliance No:	811531	Driller Name:	Charles Osteen Jr.?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	07/06/2006	Latitude:	295821.838908
Issue Date:	-	Longitude:	813059.424228
Well Street Address:	2145 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1553459		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	S	0.14	731.35	20.40	WATER WELLS

Permit:	-	Static Water Lvl Ft:	4
Legacy No:	-	Contractor License:	-
Station ID:	135700	Contractor Name:	-
Compliance No:	794600	Driller Name:	Martin C Nuss
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	238	Section:	38
Total Depth:	300	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	01/05/2006	Latitude:	295821.644652
Issue Date:	-	Longitude:	813101.46388
Well Street Address:	2152 Craon Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1510304		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	SSW	0.15	808.68	19.94	WATER WELLS

Permit:	-	Static Water Lvl Ft:	4
Legacy No:	-	Contractor License:	-
Station ID:	195146	Contractor Name:	-

Wells and Additional Sources Detail Report

Compliance No:	860586	Driller Name:	Alan Kelly?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	340	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	08/22/2005	Latitude:	295821.788616
Issue Date:	-	Longitude:	813103.500472
Well Street Address:	2244 Chimney Ct		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1573531		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	S	0.13	699.68	22.11	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	149068	Contractor Name:	-
Compliance No:	811752	Driller Name:	A Kelly?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	320	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	05/01/2006	Latitude:	295821.418032
Issue Date:	-	Longitude:	813056.866536
Well Street Address:	2136 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1525923		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	E	0.22	1,154.05	24.65	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	195713	Contractor Name:	-
Compliance No:	861152	Driller Name:	Tommy Higginbotham?
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	220	Section:	12
Total Depth:	280	Township:	6S
Diameter:	4	Range:	27E
Completion Date:	03/03/2005	Latitude:	295834.044528

Issue Date:	-	Longitude:	813043.012692
Well Street Address:	1380 Cr 16A		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1573592		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	S	0.16	862.23	19.55	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	135629	Contractor Name:	-
Compliance No:	794529	Driller Name:	Martin C Nuss
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	315	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	09/14/2006	Latitude:	295820.932392
Issue Date:	-	Longitude:	813103.11502
Well Street Address:	2157 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1516385		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	SSE	0.14	749.97	22.34	WATER WELLS

Permit:	-	Static Water Lvl Ft:	2
Legacy No:	-	Contractor License:	-
Station ID:	149094	Contractor Name:	-
Compliance No:	811778	Driller Name:	A Kelly?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	295	Section:	38
Total Depth:	295	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	08/24/2006	Latitude:	295821.126648
Issue Date:	-	Longitude:	813055.7334
Well Street Address:	2132 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1525929		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

20	S	0.15	788.66	21.73	WATER WELLS

Permit:	-	Static Water Lvl Ft:	1
Legacy No:	-	Contractor License:	-
Station ID:	149019	Contractor Name:	-
Compliance No:	811703	Driller Name:	Martin C. Nuss?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	242	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	07/12/2006	Latitude:	295820.54388
Issue Date:	-	Longitude:	813056.737044
Well Street Address:	2133 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1526340		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSE	0.15	807.03	22.57	WATER WELLS

Permit:	-	Static Water Lvl Ft:	10
Legacy No:	-	Contractor License:	-
Station ID:	174708	Contractor Name:	-
Compliance No:	839811	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	80	Section:	38
Total Depth:	80	Township:	6S
Diameter:	4	Range:	28E
Completion Date:	12/13/2000	Latitude:	295820.904312
Issue Date:	-	Longitude:	813054.448992
Well Street Address:	2161-1 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1550194		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SSE	0.16	859.27	22.18	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	148921	Contractor Name:	-
Compliance No:	811605	Driller Name:	Charles Osteen Jr?
Well Use:	-	County:	St. Johns

Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	10/27/2006	Latitude:	295820.123004
Issue Date:	-	Longitude:	813055.24776
Well Street Address:	2129 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1526234		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	SSE	0.17	915.30	22.34	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	196750	Contractor Name:	-
Compliance No:	862211	Driller Name:	Greg Gatchell
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	348	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	09/11/2004	Latitude:	295819.83162
Issue Date:	-	Longitude:	813054.244116
Well Street Address:	2125 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1577686		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	SSE	0.18	975.66	22.48	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	317315	Contractor Name:	-
Compliance No:	1034632	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	11/24/2007	Latitude:	295819.540236
Issue Date:	-	Longitude:	813053.11098
Well Street Address:	2121 Crown Dr.		

Documents:	Well Completion Report
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1840134

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	SSE	0.19	990.01	22.86	WATER WELLS

Permit:	-	Static Water Lvl Ft:	4
Legacy No:	-	Contractor License:	-
Station ID:	197391	Contractor Name:	-
Compliance No:	862854	Driller Name:	Randy Baker
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	360	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	07/27/2004	Latitude:	295819.896384
Issue Date:	-	Longitude:	813051.42744
Well Street Address:	2116 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1573515		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	SSW	0.24	1,259.06	18.39	WATER WELLS

Permit:	-	Static Water Lvl Ft:	4
Legacy No:	-	Contractor License:	-
Station ID:	98010	Contractor Name:	-
Compliance No:	549501	Driller Name:	VINGIL FOX
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	42	Section:	38
Total Depth:	63	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	08/15/2002	Latitude:	295819.47126
Issue Date:	-	Longitude:	813108.24304
Well Street Address:	DEN ST		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1475266		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	SSE	0.20	1,051.77	22.93	WATER WELLS

Permit:	-	Static Water Lvl Ft:	4
Legacy No:	-	Contractor License:	-
Station ID:	196841	Contractor Name:	-
Compliance No:	862302	Driller Name:	Randy Baker
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	360	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	07/26/2004	Latitude:	295819.605
Issue Date:	-	Longitude:	813050.326668
Well Street Address:	2112 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1571769		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	SSE	0.21	1,115.01	22.93	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	148641	Contractor Name:	-
Compliance No:	811325	Driller Name:	J T Myers?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	330	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	10/17/2005	Latitude:	295819.34598
Issue Date:	-	Longitude:	813049.258296
Well Street Address:	2108 Crown Dr.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1528477		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	NW	0.23	1,220.58	22.19	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	100939	Contractor Name:	-
Compliance No:	552426	Driller Name:	DANNY BUCHLER?
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-

Casing Depth:	210	Section:	38
Total Depth:	220	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	12/15/2002	Latitude:	295851.948192
Issue Date:	-	Longitude:	813112.860076
Well Street Address:	6505 SR 16 A		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1478734		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	ESE	0.28	1,475.29	24.08	WATER WELLS

Permit:	-	Static Water Lvl Ft:	4
Legacy No:	-	Contractor License:	-
Station ID:	196875	Contractor Name:	-
Compliance No:	862336	Driller Name:	Virgil Fox
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	75	Section:	38
Total Depth:	75	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	02/24/2004	Latitude:	295830.3537
Issue Date:	-	Longitude:	813038.250576
Well Street Address:	6155 Sr 16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1573102		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	SSE	0.23	1,237.31	22.74	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	197249	Contractor Name:	-
Compliance No:	862712	Driller Name:	?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	44
Total Depth:	0	Township:	6S
Diameter:	0	Range:	27E
Completion Date:	-	Latitude:	295818.763212
Issue Date:	-	Longitude:	813047.60712
Well Street Address:	2101 Crown Dr		
Documents:	Well Completion Report		

Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1576801

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	SSW	0.30	1,558.27	17.58	WATER WELLS

Permit:	-	Static Water Lvl Ft:	1
Legacy No:	-	Contractor License:	-
Station ID:	401722	Contractor Name:	-
Compliance No:	1119129	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	04/15/2008	Latitude:	295816.820688
Issue Date:	-	Longitude:	813109.978672
Well Street Address:	2413 Den St.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1924270		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	SE	0.25	1,326.48	22.45	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	195591	Contractor Name:	-
Compliance No:	861030	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	260	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	08/04/2005	Latitude:	295818.568956
Issue Date:	-	Longitude:	813046.117836
Well Street Address:	2096 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1575605		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	SSW	0.29	1,551.78	18.83	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	404882	Contractor Name:	-
Compliance No:	1125761	Driller Name:	T. Higginbotham?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	397	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	08/17/1992	Latitude:	295815
Issue Date:	-	Longitude:	813107
Well Street Address:	Sr16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1947977		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	SE	0.27	1,399.65	22.15	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	195080	Contractor Name:	-
Compliance No:	860520	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	260	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	02/04/2005	Latitude:	295818.277572
Issue Date:	-	Longitude:	813045.178956
Well Street Address:	2092 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1571342		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	SSE	0.28	1,463.26	22.21	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	404880	Contractor Name:	-
Compliance No:	1125759	Driller Name:	T. Higginbotham?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38

Total Depth:	385	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	08/19/1992	Latitude:	295817
Issue Date:	-	Longitude:	813046
Well Street Address:	Sr16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1947975		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	SE	0.28	1,472.19	21.88	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	196698	Contractor Name:	-
Compliance No:	862159	Driller Name:	David Coulter
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	255	Section:	38
Total Depth:	300	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	07/02/2004	Latitude:	295817.92146
Issue Date:	-	Longitude:	813044.369568
Well Street Address:	2088 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1577576		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	SE	0.30	1,563.42	21.35	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	196702	Contractor Name:	-
Compliance No:	862163	Driller Name:	Jeff Weatherford
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	380	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	05/14/2004	Latitude:	295817.403456
Issue Date:	-	Longitude:	813043.463052
Well Street Address:	2084 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Renditi		

on=Web&dDocName=EREG_1577577

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	SW	0.38	1,998.53	17.31	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	404879	Contractor Name:	-
Compliance No:	1125758	Driller Name:	T. Higginbotham?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	211	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	08/19/1992	Latitude:	295821
Issue Date:	-	Longitude:	813122
Well Street Address:	Sr16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1947973		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	SSW	0.35	1,864.16	17.73	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	317373	Contractor Name:	-
Compliance No:	1034690	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	300	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	09/05/2007	Latitude:	295813.194624
Issue Date:	-	Longitude:	813110.334784
Well Street Address:	2424 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1840193		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	SE	0.32	1,695.95	20.49	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-

Wells and Additional Sources Detail Report

Station ID:	195054	Contractor Name:	-
Compliance No:	860494	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	02/11/2005	Latitude:	295816.399812
Issue Date:	-	Longitude:	813042.491772
Well Street Address:	2081 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1573383		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	SE	0.35	1,836.65	20.11	WATER WELLS

Permit:	-	Static Water Lvl Ft:	4
Legacy No:	-	Contractor License:	-
Station ID:	195708	Contractor Name:	-
Compliance No:	861147	Driller Name:	Alan Kelly?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	320	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	08/27/2005	Latitude:	295815.26664
Issue Date:	-	Longitude:	813041.552892
Well Street Address:	2077 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1570414		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.41	2,188.84	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	10
Legacy No:	-	Contractor License:	-
Station ID:	342915	Contractor Name:	-
Compliance No:	1060298	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	18
Total Depth:	116	Township:	6S
Diameter:	2	Range:	28E

Wells and Additional Sources Detail Report

Completion Date:	08/04/1995	Latitude:	295844.500188
Issue Date:	-	Longitude:	813129.06256
Well Street Address:	6485 Sriga, St Augustine, FL 32095		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1866086		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.41	2,188.84	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	165629	Contractor Name:	-
Compliance No:	830660	Driller Name:	Jeff Weatherford
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	300	Section:	18
Total Depth:	400	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	08/29/2003	Latitude:	295844.500188
Issue Date:	-	Longitude:	813129.06256
Well Street Address:	2669 Seneca Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1540063		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.41	2,188.84	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	9
Legacy No:	-	Contractor License:	-
Station ID:	100884	Contractor Name:	-
Compliance No:	552371	Driller Name:	JOHN NEMESKERY?
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	81	Section:	18
Total Depth:	91	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	12/07/2001	Latitude:	295844.500188
Issue Date:	-	Longitude:	813129.06256
Well Street Address:	2669 SENECA DR.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1480396		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.41	2,188.84	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	7
Legacy No:	-	Contractor License:	-
Station ID:	98015	Contractor Name:	-
Compliance No:	549506	Driller Name:	EARL REICHELT?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	80	Section:	18
Total Depth:	87	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	05/06/2002	Latitude:	295844.500188
Issue Date:	-	Longitude:	813129.06256
Well Street Address:	4621 SENECA DR W.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1476201		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.41	2,188.84	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	7
Legacy No:	-	Contractor License:	-
Station ID:	101439	Contractor Name:	-
Compliance No:	552926	Driller Name:	EARL REICHELT
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	72	Section:	18
Total Depth:	94	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	05/31/2001	Latitude:	295844.500188
Issue Date:	-	Longitude:	813129.06256
Well Street Address:	4708 CREE CT.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1480701		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.41	2,188.84	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	9
Legacy No:	-	Contractor License:	-
Station ID:	353592	Contractor Name:	-

Wells and Additional Sources Detail Report

Compliance No:	1070977	Driller Name:	?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	18
Total Depth:	340	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	01/18/1989	Latitude:	295844.500188
Issue Date:	-	Longitude:	813129.06256
Well Street Address:	St Rd 16 A 0.5 Mite East Of St Rd 13		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1876746		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.41	2,188.84	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	101444	Contractor Name:	-
Compliance No:	552931	Driller Name:	EARL REICHELT
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	18
Total Depth:	0	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	11/29/2001	Latitude:	295844.500188
Issue Date:	-	Longitude:	813129.06256
Well Street Address:	2669 SENECA DR.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1480971		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.41	2,188.84	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	268716	Contractor Name:	-
Compliance No:	985955	Driller Name:	Steve Br
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	18
Total Depth:	75	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	05/08/1995	Latitude:	295844.500188

Issue Date:	-	Longitude:	813129.06256
Well Street Address:	6815 S.r. Ila, St Augustine, FL 32095		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1791547		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.41	2,188.84	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	9
Legacy No:	-	Contractor License:	-
Station ID:	99716	Contractor Name:	-
Compliance No:	551204	Driller Name:	EARL REICHELT
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	80	Section:	18
Total Depth:	86	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	11/13/2001	Latitude:	295844.500188
Issue Date:	-	Longitude:	813129.06256
Well Street Address:	5001 TOTEM CT.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1483976		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.41	2,188.84	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	6
Legacy No:	-	Contractor License:	-
Station ID:	99687	Contractor Name:	-
Compliance No:	551175	Driller Name:	EARL REICHELT
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	80	Section:	18
Total Depth:	86	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	09/11/2001	Latitude:	295844.500188
Issue Date:	-	Longitude:	813129.06256
Well Street Address:	4833 NAHANE WAY		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1480777		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WNW	0.41	2,188.84	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	8
Legacy No:	-	Contractor License:	-
Station ID:	100871	Contractor Name:	-
Compliance No:	552358	Driller Name:	EARL REICHELT?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	80	Section:	18
Total Depth:	91	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	02/13/2002	Latitude:	295844.500188
Issue Date:	-	Longitude:	813129.06256
Well Street Address:	4676 SENECA DR. W.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1480063		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	SE	0.35	1,861.51	20.11	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	148743	Contractor Name:	-
Compliance No:	811427	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	02/15/2006	Latitude:	295815.04002
Issue Date:	-	Longitude:	813041.4234
Well Street Address:	2073 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1525177		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	SE	0.36	1,892.66	19.67	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	196753	Contractor Name:	-
Compliance No:	862214	Driller Name:	?
Well Use:	-	County:	St. Johns

Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	0	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	-	Latitude:	295815.26664
Issue Date:	-	Longitude:	813040.581612
Well Street Address:	2072 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1577688		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	SE	0.36	1,892.66	19.67	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	149045	Contractor Name:	-
Compliance No:	811729	Driller Name:	Charles Osteen Jr.?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	07/26/2006	Latitude:	295815.26664
Issue Date:	-	Longitude:	813040.581612
Well Street Address:	2072 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1554363		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	SSW	0.41	2,174.64	15.87	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	195724	Contractor Name:	-
Compliance No:	861163	Driller Name:	Alan Kelly?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	350	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	08/24/2005	Latitude:	295810.28082
Issue Date:	-	Longitude:	813111.694576
Well Street Address:	2435 Den St		

Documents:	Well Completion Report
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1570706

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	SSW	0.42	2,225.32	15.98	WATER WELLS

Permit:	-	Static Water Lvl Ft:	1
Legacy No:	-	Contractor License:	-
Station ID:	334878	Contractor Name:	-
Compliance No:	1052255	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	320	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	11/29/2007	Latitude:	295809.471432
Issue Date:	-	Longitude:	813111.306064
Well Street Address:	2436 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1857953		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	SSW	0.44	2,338.70	15.22	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	317301	Contractor Name:	-
Compliance No:	1034618	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	02/28/2007	Latitude:	295808.500152
Issue Date:	-	Longitude:	813111.95356
Well Street Address:	2441 Den St.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1840120		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	SE	0.41	2,141.01	19.48	WATER WELLS

Permit:	-	Static Water Lvl Ft:	4
Legacy No:	-	Contractor License:	-
Station ID:	196900	Contractor Name:	-
Compliance No:	862361	Driller Name:	John Nemeskery
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	315	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	09/21/2004	Latitude:	295812.708984
Issue Date:	-	Longitude:	813039.675096
Well Street Address:	2060 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1572221		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	SSW	0.44	2,346.60	15.14	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	195194	Contractor Name:	-
Compliance No:	860634	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	09/01/2005	Latitude:	295807.949784
Issue Date:	-	Longitude:	813111.047044
Well Street Address:	2449 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1571802		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	NW	0.44	2,329.00	20.26	WATER WELLS

Permit:	-	Static Water Lvl Ft:	-
Legacy No:	-	Contractor License:	-
Station ID:	423219	Contractor Name:	-
Compliance No:	1209007	Driller Name:	Thomas Piet Jr
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-

Casing Depth:	200	Section:	18
Total Depth:	260	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	04/24/12	Latitude:	295859.219724
Issue Date:	-	Longitude:	813122.306224
Well Street Address:	6700 CR 16A St Augustine FL 32092		
Documents:	Supporting Document		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_5681014		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	SSW	0.46	2,418.99	15.12	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	148603	Contractor Name:	-
Compliance No:	811287	Driller Name:	Mary Rauss?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	281	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	09/18/2005	Latitude:	295806.622392
Issue Date:	-	Longitude:	813109.881544
Well Street Address:	2452 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1527137		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	SSW	0.46	2,418.99	15.12	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	148833	Contractor Name:	-
Compliance No:	811517	Driller Name:	Charles Osteen Jr.?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	06/30/2006	Latitude:	295806.622392
Issue Date:	-	Longitude:	813109.881544
Well Street Address:	2452 Den St		
Documents:	Well Completion Report		

Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1525785

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	NE	0.49	2,582.22	27.09	WATER WELLS

Permit:	148802-1	Static Water Lvl Ft:	2
Legacy No:	-	Contractor License:	-
Station ID:	14542	Contractor Name:	-
Compliance No:	1323371	Driller Name:	-
Well Use:	Irrigation - Agricultural	County:	St. Johns
Type of Work:	Abandonment	Location State:	FL
Casing Depth:	245	Section:	38
Total Depth:	248	Township:	6S
Diameter:	6	Range:	28E
Completion Date:	-	Latitude:	295855.339932
Issue Date:	02/21/2017	Longitude:	813032.243364
Well Street Address:			
Documents:	Application		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_6493504		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	SSW	0.48	2,540.43	15.07	WATER WELLS

Permit:	-	Static Water Lvl Ft:	12
Legacy No:	-	Contractor License:	-
Station ID:	334876	Contractor Name:	-
Compliance No:	1052253	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	280	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	10/02/2005	Latitude:	295804.938852
Issue Date:	-	Longitude:	813108.910264
Well Street Address:	2460 Den Street		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1857951		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	SSW	0.49	2,562.00	14.89	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	334877	Contractor Name:	-
Compliance No:	1052254	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	323	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	06/28/2007	Latitude:	295804.77696
Issue Date:	-	Longitude:	813109.10452
Well Street Address:	2461 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1857952		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	SSW	0.50	2,631.66	14.94	WATER WELLS

Permit:	-	Static Water Lvl Ft:	6
Legacy No:	-	Contractor License:	-
Station ID:	317345	Contractor Name:	-
Compliance No:	1034662	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	222	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	02/01/2007	Latitude:	295803.870444
Issue Date:	-	Longitude:	813108.61888
Well Street Address:	2465 Den St.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1840165		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	SSW	0.51	2,673.93	14.91	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	195528	Contractor Name:	-
Compliance No:	860967	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38

Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	07/20/2005	Latitude:	295803.222948
Issue Date:	-	Longitude:	813107.971384
Well Street Address:	2468 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1569950		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	SSE	0.48	2,558.84	19.09	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	196804	Contractor Name:	-
Compliance No:	862265	Driller Name:	Charles Osteen Jr
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	250	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	05/06/2004	Latitude:	295807.561272
Issue Date:	-	Longitude:	813039.836988
Well Street Address:	2040 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1574479		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	SSW	0.51	2,697.11	14.80	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	195572	Contractor Name:	-
Compliance No:	861011	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	02/24/2005	Latitude:	295803.028692
Issue Date:	-	Longitude:	813108.13324
Well Street Address:	2469 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Renditi		

on=Web&dDocName=EREG_1570048

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	SSE	0.49	2,580.70	19.18	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	148626	Contractor Name:	-
Compliance No:	811310	Driller Name:	Martin Hoss?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	272	Section:	38
Total Depth:	272	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	10/11/2005	Latitude:	295807.107996
Issue Date:	-	Longitude:	813040.2255
Well Street Address:	2037 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1524519		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	WSW	0.56	2,948.56	14.26	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	285541	Contractor Name:	-
Compliance No:	1002809	Driller Name:	-
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	FL
Casing Depth:	0	Section:	18
Total Depth:	31	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	07/21/1995	Latitude:	295823.975688
Issue Date:	-	Longitude:	813136.720912
Well Street Address:	6700 Sr 16, St Augustine, FL 32095		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1808393		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	S	0.52	2,749.79	14.52	WATER WELLS

Permit:	-	Static Water Lvl Ft:	2
Legacy No:	-	Contractor License:	-

Wells and Additional Sources Detail Report

Station ID:	401717	Contractor Name:	-
Compliance No:	1119124	Driller Name:	-
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	01/21/2009	Latitude:	295802.284032
Issue Date:	-	Longitude:	813107.45338
Well Street Address:	2472 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1924265		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	S	0.52	2,749.79	14.52	WATER WELLS

Permit:	-	Static Water Lvl Ft:	5
Legacy No:	-	Contractor License:	-
Station ID:	401716	Contractor Name:	-
Compliance No:	1119123	Driller Name:	?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	0	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	01/21/2009	Latitude:	295802.284032
Issue Date:	-	Longitude:	813107.45338
Well Street Address:	2472 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1924264		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	ESE	0.54	2,864.12	23.69	WATER WELLS

Permit:	-	Static Water Lvl Ft:	6
Legacy No:	-	Contractor License:	-
Station ID:	163427	Contractor Name:	-
Compliance No:	828409	Driller Name:	Tom Merinsky?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	0	Township:	6S
Diameter:	0	Range:	28E

Wells and Additional Sources Detail Report

Completion Date:	04/16/1999	Latitude:	295821.911988
Issue Date:	-	Longitude:	813023.496372
Well Street Address:	6019-A SR 16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1556278		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	ESE	0.54	2,864.12	23.69	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	245874	Contractor Name:	-
Compliance No:	963067	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	75	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	10/26/1994	Latitude:	295821.911988
Issue Date:	-	Longitude:	813023.496372
Well Street Address:	6019-a-sr-16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1769038		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	SSE	0.51	2,705.00	19.13	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	165235	Contractor Name:	-
Compliance No:	830266	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	300	Section:	38
Total Depth:	300	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	07/30/2003	Latitude:	295805.618748
Issue Date:	-	Longitude:	813040.387356
Well Street Address:	2032 Crown Dr.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1539609		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	S	0.52	2,750.26	18.39	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	135654	Contractor Name:	-
Compliance No:	794554	Driller Name:	Martin C Nuss?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	300	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	01/05/2007	Latitude:	295801.319196
Issue Date:	-	Longitude:	813053.545356
Well Street Address:	198 Latera Limis		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1514144		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	S	0.54	2,856.74	13.98	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	148824	Contractor Name:	-
Compliance No:	811508	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	03/24/2006	Latitude:	295801.150896
Issue Date:	-	Longitude:	813107.356252
Well Street Address:	2476 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1523496		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	SSE	0.53	2,804.90	18.70	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	404887	Contractor Name:	-

Wells and Additional Sources Detail Report

Compliance No:	1125766	Driller Name:	T. Higginbotham?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	340	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	08/17/1992	Latitude:	295801
Issue Date:	-	Longitude:	813052
Well Street Address:	Sr16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1947982		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	S	0.55	2,917.92	13.64	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	149032	Contractor Name:	-
Compliance No:	811716	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	280	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	04/15/2006	Latitude:	295800.535764
Issue Date:	-	Longitude:	813107.42098
Well Street Address:	2480 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1525912		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	SSE	0.53	2,824.56	19.14	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	196987	Contractor Name:	-
Compliance No:	862448	Driller Name:	Greg Gatchell
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	260	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	12/16/2004	Latitude:	295803.935208

Issue Date:	-	Longitude:	813041.196744
Well Street Address:	2024 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1572594		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	SSE	0.55	2,907.51	19.23	WATER WELLS

Permit:	-	Static Water Lvl Ft:	1
Legacy No:	-	Contractor License:	-
Station ID:	149025	Contractor Name:	-
Compliance No:	811709	Driller Name:	A Kelly?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	276	Section:	38
Total Depth:	290	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	08/29/2006	Latitude:	295802.575416
Issue Date:	-	Longitude:	813042.394644
Well Street Address:	2016 Crown Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1526346		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	WSW	0.61	3,238.25	13.38	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	197004	Contractor Name:	-
Compliance No:	862465	Driller Name:	Ricky
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	200	Section:	18
Total Depth:	260	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	04/21/2004	Latitude:	295823.619576
Issue Date:	-	Longitude:	813140.087956
Well Street Address:	6720 Sr 16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1577627		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	WSW	0.61	3,238.25	13.38	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	196777	Contractor Name:	-
Compliance No:	862238	Driller Name:	Ricky
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	200	Section:	18
Total Depth:	260	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	04/21/2004	Latitude:	295823.619576
Issue Date:	-	Longitude:	813140.087956
Well Street Address:	6720 Sr 16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1578045		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
90	S	0.57	3,011.37	13.20	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	228164	Contractor Name:	-
Compliance No:	896477	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	280	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	06/17/2003	Latitude:	295759.596884
Issue Date:	-	Longitude:	813107.518108
Well Street Address:	2484 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1602110		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
94	WSW	0.63	3,349.86	13.50	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	196914	Contractor Name:	-
Compliance No:	862375	Driller Name:	Virgil Fox
Well Use:	-	County:	St. Johns

Type of Work:	-	Location State:	-
Casing Depth:	230	Section:	18
Total Depth:	295	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	06/17/2004	Latitude:	295823.194524
Issue Date:	-	Longitude:	813141.26098
Well Street Address:	6751 ST Rd 16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1573113		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	S	0.59	3,113.42	16.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	5
Legacy No:	-	Contractor License:	-
Station ID:	197397	Contractor Name:	-
Compliance No:	862860	Driller Name:	Randy Baker
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	400	Township:	6S
Diameter:	6	Range:	28E
Completion Date:	07/23/2004	Latitude:	295757.669624
Issue Date:	-	Longitude:	813053.721756
Well Street Address:	200-1 Registry Blvd.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1576901		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	S	0.59	3,113.42	16.97	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	174916	Contractor Name:	-
Compliance No:	840019	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	60	Section:	38
Total Depth:	60	Township:	6S
Diameter:	4	Range:	28E
Completion Date:	06/27/2000	Latitude:	295757.669624
Issue Date:	-	Longitude:	813053.721756
Well Street Address:	475-1 Registry Blvd		

Documents: Well Completion Report
Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1550872

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	S	0.60	3,193.65	12.35	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	100820	Contractor Name:	-
Compliance No:	552307	Driller Name:	GREG GATCHELL?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	250	Section:	38
Total Depth:	280	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	09/28/2002	Latitude:	295757.84858
Issue Date:	-	Longitude:	813108.036112
Well Street Address:	2492 DEN ST.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1480304		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	SSE	0.60	3,170.79	18.96	WATER WELLS

Permit:	-	Static Water Lvl Ft:	20
Legacy No:	-	Contractor License:	-
Station ID:	101129	Contractor Name:	-
Compliance No:	552616	Driller Name:	JAMES BLACK
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	75	Section:	38
Total Depth:	75	Township:	6S
Diameter:	1.25	Range:	28E
Completion Date:	03/15/2002	Latitude:	295759.337864
Issue Date:	-	Longitude:	813043.819164
Well Street Address:	1909 SOLSTICE CT		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_501879		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	S	0.62	3,256.57	11.92	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	195251	Contractor Name:	-
Compliance No:	860691	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	280	Section:	38
Total Depth:	230	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	02/09/2005	Latitude:	295757.330576
Issue Date:	-	Longitude:	813108.554116
Well Street Address:	2495 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1571811		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
100	ESE	0.64	3,380.15	25.79	WATER WELLS

Permit:	-	Static Water Lvl Ft:	18
Legacy No:	-	Contractor License:	-
Station ID:	401719	Contractor Name:	-
Compliance No:	1119126	Driller Name:	-
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	83	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	10/18/2005	Latitude:	295784
Issue Date:	-	Longitude:	813017
Well Street Address:	4291 Rues Landing Rd.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1924267		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
101	S	0.62	3,291.85	11.76	WATER WELLS

Permit:	-	Static Water Lvl Ft:	8
Legacy No:	-	Contractor License:	-
Station ID:	195166	Contractor Name:	-
Compliance No:	860606	Driller Name:	Alan Kelly?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-

Casing Depth:	260	Section:	38
Total Depth:	320	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	08/17/2005	Latitude:	295756.942064
Issue Date:	-	Longitude:	813108.457024
Well Street Address:	2496 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1571796		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	S	0.64	3,368.06	11.35	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	137346	Contractor Name:	-
Compliance No:	796352	Driller Name:	Martin C Nuss
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	245	Section:	38
Total Depth:	305	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	09/28/2006	Latitude:	295756.229804
Issue Date:	-	Longitude:	813108.748372
Well Street Address:	2498 Den St		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1514966		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	WSW	0.72	3,812.36	12.91	WATER WELLS

Permit:	-	Static Water Lvl Ft:	12
Legacy No:	-	Contractor License:	-
Station ID:	99749	Contractor Name:	-
Compliance No:	551237	Driller Name:	RONALD D MOORE
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	257	Section:	18
Total Depth:	320	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	12/08/2001	Latitude:	295823.295792
Issue Date:	-	Longitude:	813146.854444
Well Street Address:	6200 HUNTER RUN		
Documents:	Well Completion Report		

Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1478350

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
105	S	0.74	3,933.49	10.10	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	317307	Contractor Name:	-
Compliance No:	1034624	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	260	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	05/23/2007	Latitude:	295749.398552
Issue Date:	-	Longitude:	813101.043004
Well Street Address:	1095 Registry Blvd		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1840126		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	WSW	0.80	4,227.17	12.83	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	353507	Contractor Name:	-
Compliance No:	1070892	Driller Name:	?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	24
Total Depth:	380	Township:	6S
Diameter:	0	Range:	27E
Completion Date:	06/30/1989	Latitude:	295821.450396
Issue Date:	-	Longitude:	813151.12804
Well Street Address:	6840 Hwy 16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1876661		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	SW	0.81	4,301.84	15.54	WATER WELLS

Wells and Additional Sources Detail Report

Permit:	-	Static Water Lvl Ft:	6
Legacy No:	-	Contractor License:	-
Station ID:	163276	Contractor Name:	-
Compliance No:	828258	Driller Name:	David Swindoll?
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	90	Section:	19
Total Depth:	90	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	03/20/1999	Latitude:	295804.61496
Issue Date:	-	Longitude:	813140.239912
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1534281		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	SW	0.81	4,301.84	15.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	353594	Contractor Name:	-
Compliance No:	1070979	Driller Name:	?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	357	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	11/21/1989	Latitude:	295804.61496
Issue Date:	-	Longitude:	813140.239912
Well Street Address:	Mill Creek Lot#d		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1876748		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	SW	0.81	4,301.84	15.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	363540	Contractor Name:	-
Compliance No:	1080940	Driller Name:	?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19

Total Depth:	315	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	04/10/1988	Latitude:	295804.61496
Issue Date:	-	Longitude:	813140.239912
Well Street Address:	Lot 12 Mill Creek Aste		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1886559		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	SW	0.81	4,301.84	15.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	353593	Contractor Name:	-
Compliance No:	1070978	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	400	Township:	6S
Diameter:	6	Range:	28E
Completion Date:	03/24/1989	Latitude:	295804.61496
Issue Date:	-	Longitude:	813140.239912
Well Street Address:	-		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1876747		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	SW	0.84	4,441.61	15.93	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	148788	Contractor Name:	-
Compliance No:	811472	Driller Name:	Charlie Hendricks?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	145	Section:	19
Total Depth:	145	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	05/24/2006	Latitude:	295802.899164
Issue Date:	-	Longitude:	813140.508832
Well Street Address:	1401 Blue Spring Ct		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Renditi		

on=Web&dDocName=EREG_1523145

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
109	WSW	0.84	4,435.43	12.65	WATER WELLS

Permit:	-	Static Water Lvl Ft:	8
Legacy No:	-	Contractor License:	-
Station ID:	353526	Contractor Name:	-
Compliance No:	1070911	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	13
Total Depth:	378	Township:	6S
Diameter:	3	Range:	27E
Completion Date:	12/07/1990	Latitude:	295820.511516
Issue Date:	-	Longitude:	813153.26482
Well Street Address:	6850 Sr 16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1876680		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
110	SE	0.79	4,166.60	18.75	WATER WELLS

Permit:	-	Static Water Lvl Ft:	-
Legacy No:	-	Contractor License:	-
Station ID:	468976	Contractor Name:	-
Compliance No:	1332975	Driller Name:	Arron Henderson
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	FL
Casing Depth:	75	Section:	38
Total Depth:	0	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	08/12/2010	Latitude:	295802.332092
Issue Date:	-	Longitude:	813019.015272
Well Street Address:	5884 Pine Creek Dr; ; FL -		
Documents:	Supporting Document		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_6553416		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	SE	0.80	4,209.78	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3

Wells and Additional Sources Detail Report

Legacy No:	-	Contractor License:	-
Station ID:	353598	Contractor Name:	-
Compliance No:	1070983	Driller Name:	?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	73	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	05/30/1989	Latitude:	295759.3055
Issue Date:	-	Longitude:	813021.60954
Well Street Address:	5924 Pinecreek Dr		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1876752		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	SE	0.80	4,209.78	18.54	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	353597	Contractor Name:	-
Compliance No:	1070982	Driller Name:	?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	73	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	05/30/1989	Latitude:	295759.3055
Issue Date:	-	Longitude:	813021.60954
Well Street Address:	5924 Pinecreek Dr Lot#12		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1876751		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	SE	0.80	4,237.52	18.47	WATER WELLS

Permit:	-	Static Water Lvl Ft:	2
Legacy No:	-	Contractor License:	-
Station ID:	404877	Contractor Name:	-
Compliance No:	1125756	Driller Name:	James Osteen Jr
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	73	Township:	6S

Diameter:	0	Range:	28E
Completion Date:	11/12/1992	Latitude:	295758.237092
Issue Date:	-	Longitude:	813022.451292
Well Street Address:	5932 Pine Creek Dr. Mill Creek Pines Lot # 13		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1947971		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	WSW	0.89	4,698.20	12.41	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	175156	Contractor Name:	-
Compliance No:	840259	Driller Name:	Greg Gatchell
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	9
Total Depth:	0	Township:	7S
Diameter:	0	Range:	28E
Completion Date:	-	Latitude:	295819.151724
Issue Date:	-	Longitude:	813155.88724
Well Street Address:	6835 S R 16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1550653		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
115	SSE	0.85	4,503.63	17.07	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	196847	Contractor Name:	-
Compliance No:	862308	Driller Name:	Greg Gatchell
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	0	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	-	Latitude:	295747.650284
Issue Date:	-	Longitude:	813036.37278
Well Street Address:	1822 W Cobblestone		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1575360		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.86	4,565.27	18.99	WATER WELLS

Permit:	-	Static Water Lvl Ft:	5
Legacy No:	-	Contractor License:	-
Station ID:	361755	Contractor Name:	-
Compliance No:	1079147	Driller Name:	?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	0
Total Depth:	80	Township:	-
Diameter:	0	Range:	-
Completion Date:	10/14/1991	Latitude:	295800.68412
Issue Date:	-	Longitude:	813014.689044
Well Street Address:	5837 Pine Creek Dr. Lot #30		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1884826		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
117	SE	0.87	4,576.66	18.99	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	245864	Contractor Name:	-
Compliance No:	963057	Driller Name:	James Osteen Jr?
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	73	Township:	6S
Diameter:	4	Range:	28E
Completion Date:	11/01/1994	Latitude:	295800.827148
Issue Date:	-	Longitude:	813014.389776
Well Street Address:	5836 Pine Creek Dr.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1769028		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
118	SSW	0.89	4,706.80	5.23	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	317386	Contractor Name:	-

Wells and Additional Sources Detail Report

Compliance No:	1034703	Driller Name:	?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	320	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	09/14/2007	Latitude:	295745
Issue Date:	-	Longitude:	813078
Well Street Address:	2652 Oak Grove Rd.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1840207		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
119	SW	0.94	4,981.04	14.31	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	404884	Contractor Name:	-
Compliance No:	1125763	Driller Name:	T. Higginbotham?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	213	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	08/17/1992	Latitude:	295802
Issue Date:	-	Longitude:	813148
Well Street Address:	Sr16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1947979		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	NW	0.90	4,749.38	20.03	WATER WELLS

Permit:	-	Static Water Lvl Ft:	10
Legacy No:	-	Contractor License:	-
Station ID:	272890	Contractor Name:	-
Compliance No:	990141	Driller Name:	?
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	12
Total Depth:	68	Township:	6S
Diameter:	2	Range:	27E
Completion Date:	05/08/1995	Latitude:	295914.805384

Issue Date:	-	Longitude:	813143.22838
Well Street Address:	6815 C.r. 16a		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1795812		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
121	ESE	0.90	4,749.31	21.40	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	130038	Contractor Name:	-
Compliance No:	788674	Driller Name:	Albert E Smith
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	230	Section:	38
Total Depth:	300	Township:	6S
Diameter:	4	Range:	28E
Completion Date:	07/25/2000	Latitude:	295811.2197
Issue Date:	-	Longitude:	813005.065596
Well Street Address:	5825 St Rd 16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1507101		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	SSW	0.95	4,990.71	14.22	WATER WELLS

Permit:	-	Static Water Lvl Ft:	-
Legacy No:	-	Contractor License:	-
Station ID:	435708	Contractor Name:	-
Compliance No:	1236890	Driller Name:	STEVEN R. MARTIN
Well Use:	Irrigation - Landscape	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	43	Section:	38
Total Depth:	58	Township:	6S
Diameter:	1.25	Range:	28E
Completion Date:	05/06/2013	Latitude:	295750.275764
Issue Date:	-	Longitude:	813134.394196
Well Street Address:	1000 WELAKA WAY, ST. AUG. 32092		
Documents:	Supporting Document		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_5819818		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
124	SE	0.90	4,749.85	18.99	WATER WELLS

Permit:	-	Static Water Lvl Ft:	3
Legacy No:	-	Contractor License:	-
Station ID:	306167	Contractor Name:	-
Compliance No:	1023469	Driller Name:	J. V. Osteen?
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	19
Total Depth:	84	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	06/18/1991	Latitude:	295759.98536
Issue Date:	-	Longitude:	813012.641472
Well Street Address:	5825 Pine Creek Dr. Lot #29		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1828820		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
125	S	0.91	4,806.45	10.53	WATER WELLS

Permit:	-	Static Water Lvl Ft:	4
Legacy No:	-	Contractor License:	-
Station ID:	196959	Contractor Name:	-
Compliance No:	862420	Driller Name:	Jeff Weatherford
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	320	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	12/21/2004	Latitude:	295740.68954
Issue Date:	-	Longitude:	813059.683212
Well Street Address:	1170 Registry Blvd		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1572237		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
126	WSW	0.97	5,129.65	12.29	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	317238	Contractor Name:	-
Compliance No:	1034555	Driller Name:	-
Well Use:	-	County:	St. Johns

Wells and Additional Sources Detail Report

Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	24
Total Depth:	300	Township:	6S
Diameter:	3	Range:	27E
Completion Date:	10/30/2007	Latitude:	295816.615884
Issue Date:	-	Longitude:	813200.047256
Well Street Address:	14 Scarlett Ln		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1840057		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
127	SE	0.91	4,812.29	18.85	WATER WELLS

Permit:	-	Static Water Lvl Ft:	5
Legacy No:	-	Contractor License:	-
Station ID:	361761	Contractor Name:	-
Compliance No:	1079153	Driller Name:	?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	0
Total Depth:	73	Township:	-
Diameter:	0	Range:	-
Completion Date:	11/29/1991	Latitude:	295755.301796
Issue Date:	-	Longitude:	813016.511724
Well Street Address:	5996 Pine Creek Dr Lot #21		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1884832		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
128	SSE	0.92	4,868.61	19.17	WATER WELLS

Permit:	-	Static Water Lvl Ft:	8
Legacy No:	-	Contractor License:	-
Station ID:	175282	Contractor Name:	-
Compliance No:	840385	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	80	Section:	38
Total Depth:	80	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	11/20/2000	Latitude:	295745.201564
Issue Date:	-	Longitude:	813032.344776
Well Street Address:	1802 E.Cobblestone		

Documents: Well Completion Report
Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1548808

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSE	0.93	4,927.88	19.11	WATER WELLS

Permit:	-	Static Water Lvl Ft:	8
Legacy No:	-	Contractor License:	-
Station ID:	174673	Contractor Name:	-
Compliance No:	839776	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	80	Section:	38
Total Depth:	80	Township:	6S
Diameter:	4	Range:	28E
Completion Date:	06/27/2000	Latitude:	295744.69634
Issue Date:	-	Longitude:	813031.9914
Well Street Address:	1701-1 E Cobble Stone Ln		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1543308		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
130	S	0.95	4,991.39	11.73	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	317297	Contractor Name:	-
Compliance No:	1034614	Driller Name:	-
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	260	Township:	6S
Diameter:	2	Range:	28E
Completion Date:	05/30/2007	Latitude:	295738.876508
Issue Date:	-	Longitude:	813100.330744
Well Street Address:	1180 Registry Blvd		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1840116		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
131	ESE	0.98	5,200.63	23.74	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	401726	Contractor Name:	-
Compliance No:	1119133	Driller Name:	-
Well Use:	Other	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	45	Township:	6S
Diameter:	1	Range:	28E
Completion Date:	08/11/2008	Latitude:	295779
Issue Date:	-	Longitude:	812957
Well Street Address:	5405 Sr 16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1924274		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
131	ESE	0.98	5,200.63	23.74	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	401731	Contractor Name:	-
Compliance No:	1119138	Driller Name:	?
Well Use:	Other	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	45	Township:	6S
Diameter:	1	Range:	28E
Completion Date:	08/11/2008	Latitude:	295779
Issue Date:	-	Longitude:	812957
Well Street Address:	5405 Sr 16		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&dDocName=EREG_1924279		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
132	SE	0.96	5,065.92	18.98	WATER WELLS

Permit:	-	Static Water Lvl Ft:	8
Legacy No:	-	Contractor License:	-
Station ID:	163636	Contractor Name:	-
Compliance No:	828618	Driller Name:	Gamel Osteen?
Well Use:	Other	County:	St. Johns
Type of Work:	-	Location State:	-

Casing Depth:	0	Section:	38
Total Depth:	73	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	01/23/1997	Latitude:	295754.902412
Issue Date:	-	Longitude:	813012.932856
Well Street Address:	6016 Pine Creek Dr.		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1536505		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
133	SSE	0.97	5,114.00	17.88	WATER WELLS

Permit:	-	Static Water Lvl Ft:	0
Legacy No:	-	Contractor License:	-
Station ID:	227950	Contractor Name:	-
Compliance No:	896263	Driller Name:	Greg Gatchell?
Well Use:	-	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	260	Section:	38
Total Depth:	260	Township:	6S
Diameter:	3	Range:	28E
Completion Date:	09/27/2000	Latitude:	295743.376688
Issue Date:	-	Longitude:	813030.221424
Well Street Address:	1703 E Cabblestone		
Documents:	Well Completion Report		
Documents URL:	https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1605977		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
134	SE	0.98	5,177.91	18.44	WATER WELLS

Permit:	-	Static Water Lvl Ft:	5
Legacy No:	-	Contractor License:	-
Station ID:	272902	Contractor Name:	-
Compliance No:	990153	Driller Name:	?
Well Use:	Domestic	County:	St. Johns
Type of Work:	-	Location State:	-
Casing Depth:	0	Section:	38
Total Depth:	73	Township:	6S
Diameter:	0	Range:	28E
Completion Date:	04/03/1995	Latitude:	295802.769672
Issue Date:	-	Longitude:	813004.515228
Well Street Address:	4430 Rues Landing Rd.		
Documents:	Well Completion Report		

Wells and Additional Sources Detail Report

Documents URL: https://permitting.sjrwmd.com/apps/idcplg?IdcService=GET_FILE&coreContentOnly=1&RevisionSelectionMethod=Latest&allowInterrupt=1&Rendition=Web&dDocName=EREG_1795824

Water Well Construction Permits

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	NW	0.24	1,276.36	19.31	WELL CONST PERM

Permit No:	141383-1	County Name:	St. Johns
Permit Type:	Water Well Construction	Parcel ID:	0271300000
Permit Status:	Active	Section ID:	18
Cur Permit Iss Dt:	4/1/2015	Township ID:	6S
Latitude:	295849	Range ID:	28E
Longitude:	813116		
Project Description:	This permit application is for the abandonment of an inactive 6-inch diameter Upper Floridan aquifer well, formerly used for agricultural irrigation.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	NW	0.36	1,895.86	20.64	WELL CONST PERM

Permit No:	141385-1	County Name:	St. Johns
Permit Type:	Water Well Construction	Parcel ID:	0271300000
Permit Status:	Active	Section ID:	18
Cur Permit Iss Dt:	4/1/2015	Township ID:	6S
Latitude:	295856	Range ID:	28E
Longitude:	813119		
Project Description:	This permit application is for the abandonment of an inactive 6-inch diameter Upper Floridan aquifer well, formerly used for agricultural irrigation.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	W	0.46	2,419.58	15.80	WELL CONST PERM

Permit No:	141384-1	County Name:	St. Johns
Permit Type:	Water Well Construction	Parcel ID:	0271300000
Permit Status:	Active	Section ID:	18
Cur Permit Iss Dt:	4/1/2015	Township ID:	6S
Latitude:	295841	Range ID:	28E
Longitude:	813132		
Project Description:	This permit application is for the abandonment of an inactive 6-inch diameter Upper Floridan aquifer well, formerly used for agricultural irrigation.		

Well Surveillance Program Water Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	E	0.09	479.33	25.14	WATER WELLS

Wells and Additional Sources Detail Report

FLUW ID:	AAF4390	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	312828
Req No:		GPS ID:	312828
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	MARSHALL WOLFE
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	Galvanized	County:	ST. JOHNS
Length:		Height Abv Ellipsoid:	10.2
Diameter:	2	Longitude:	-81.514305
Sanitary Seal:	Yes	Latitude:	29.976566
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	2/12/2002 9:56:33
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	6277 CR 16A		
City:	ST. AUGUSTINE		
Comment:	door notice 10/5/2020 . Letter sent out 10/27/2020		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NNW	0.03	162.21	19.84	WATER WELLS

FLUW ID:	AAR2405	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	WC
Other ID:		Loc ID:	1149562
Req No:	29110	GPS ID:	1149562
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	Unknown
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	UNKNOWN	County:	ST JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:		Longitude:	-81.518171
Sanitary Seal:		Latitude:	29.97859

Wells and Additional Sources Detail Report

Agency:	FDOH	Datum:	
Large PWS:		GPS Date:	8/8/2018 17:36:00
PWS Design:		Loc Method Code:	DPHO
PWS Verify:		Loc Method:	Digital Aerial Photos
Insp F Name:	Stephanie Armstrong	Software:	Well_Survey123
Insp L Name:		Streetside:	No
Insp CHD:	ALACHUA		
Well Type De:			
Address:	6399 County Road 16A		
City:	St. Augustine		
Comment:	COULD NOT OBTAIN PERMISSION TO SAMPLE AFTER MULTIPLE ATTEMPTS		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	WSW	0.08	419.50	21.32	WATER WELLS

FLUW ID:	AAD6271	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	550003401	Project ID:	SUPER
Other ID:		Loc ID:	485614
Req No:	23230	GPS ID:	485614
Status:	ACTIVE	Resident Type:	OPERATOR
Well Type Code:	42	Name:	J R & SPORT
Well Type:	Limited Use PWS	First Name:	JIM
Well Depth:	0	Last Name:	HELMS
Potable Status:	POTABLE	Phone:	904-940-3381
Action:	UNFILTERED	Phone Ext:	
Casing Material:	PVC	County:	ST. JOHNS
Length:	0	Height Abv Ellipsoid:	0.05
Diameter:	2	Longitude:	-81.519125
Sanitary Seal:	Yes	Latitude:	29.975459
Agency:	DOH	Datum:	WS1984
Large PWS:	NO	GPS Date:	11/15/2006 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MILTON	Software:	Well_Solo_v2
Insp L Name:	LARA	Streetside:	No
Insp CHD:	ST. JOHNS		
Well Type De:			
Address:	6550 SR 16		
City:	ST. AUGUSTINE		
Comment:	Door notice on gate on 10/5/2020. Letter sent out 10/27/2020		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	SSE	0.03	160.73	24.14	WATER WELLS

FLUW ID:	DAA0081	Property ID:	

Wells and Additional Sources Detail Report

Permit No:		Parcel ID:	
WSRP ID:		Project ID:	WC
Other ID:		Loc ID:	1167442
Req No:		GPS ID:	1167442
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	Shane
Well Depth:		Last Name:	Morris
Potable Status:	POTABLE	Phone:	904-813-0023
Action:		Phone Ext:	
Casing Material:	PVC	County:	ST JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	2	Longitude:	-81.515292
Sanitary Seal:		Latitude:	29.974304
Agency:	FDOH	Datum:	
Large PWS:		GPS Date:	10/5/2020 17:24:00
PWS Design:		Loc Method Code:	GPS (VERIFIED)
PWS Verify:		Loc Method:	
Insp F Name:	Beth Robertson	Software:	Well_Survey123
Insp L Name:		Streetside:	no
Insp CHD:	ALACHUA		
Well Type De:			
Address:	6335 SR 16		
City:	St. Augustine		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SE	0.03	182.99	24.38	WATER WELLS

FLUW ID:	AAR4411	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	WC
Other ID:		Loc ID:	1166334
Req No:		GPS ID:	1166334
Status:	ACTIVE	Resident Type:	agent
Well Type Code:	42	Name:	ARC Group Home
Well Type:	Limited Use PWS	First Name:	Richard
Well Depth:		Last Name:	Yager
Potable Status:	POTABLE	Phone:	904-349-1593
Action:		Phone Ext:	
Casing Material:	PVC	County:	ST JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	2	Longitude:	-81.514727
Sanitary Seal:		Latitude:	29.974609
Agency:	FDOH	Datum:	
Large PWS:		GPS Date:	9/21/2020 13:50:00

PWS Design:		Loc Method Code:	GPS (VERIFIED)
PWS Verify:		Loc Method:	
Insp F Name:		Software:	Well_Survey123
Insp L Name:	Wise	Streetside:	no
Insp CHD:	ALACHUA		
Well Type De:			
Address:	6315 ST 16		
City:	St. Augustine		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	SE	0.08	413.06	24.57	WATER WELLS

FLUW ID:	AAJ9852	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	778208
Req No:	23230	GPS ID:	778208
Status:	ACTIVE	Resident Type:	OPERATOR
Well Type Code:	43	Name:	CONKLIN
Well Type:	Private	First Name:	LINDA
Well Depth:	0	Last Name:	CONKLIN
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	PVC	County:	ST. JOHNS
Length:	0	Height Abv Ellipsoid:	8.74
Diameter:	2	Longitude:	-81.513984
Sanitary Seal:	Yes	Latitude:	29.974593
Agency:	DOH	Datum:	
Large PWS:	NO	GPS Date:	11/16/2006 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MILTON	Software:	Well_Solo_v2
Insp L Name:	LARA	Streetside:	No
Insp CHD:	ST. JOHNS		
Well Type De:			
Address:	6285 SR 16		
City:	ST. AUGUSTINE		
Comment:	vacant		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	ENE	0.14	741.37	25.92	WATER WELLS

FLUW ID:	AAF4386	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER

Other ID:		Loc ID:	312820
Req No:		GPS ID:	312820
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	WOLFE RANCH
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	Galvanized	County:	ST. JOHNS
Length:		Height Abv Ellipsoid:	11.97
Diameter:	4	Longitude:	-81.513088
Sanitary Seal:	Yes	Latitude:	29.978197
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	2/8/2002 8:30:47
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	6260 SR 16A		
City:	ST. AUGUSTINE		
Comment:	door notice 10/5/2020 . Letter sent out 10/27/2020		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	WSW	0.18	940.75	20.04	WATER WELLS

FLUW ID:	AAD6275	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	550003901	Project ID:	ANDREW
Other ID:		Loc ID:	485624
Req No:		GPS ID:	485624
Status:	ERROR	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ST. JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.520809
Sanitary Seal:		Latitude:	29.975054
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS

Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	6500 SR 16		
City:	ST. AUGUSTINE		
Comment:	NO WELL IN THIS LOCATION. POSSIBLY PLUGGED OR ERRONEOUS DATA		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	WSW	0.19	1,000.73	20.12	WATER WELLS

FLUW ID:	AAD6276	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	550002601	Project ID:	ANDREW
Other ID:		Loc ID:	485598
Req No:		GPS ID:	485598
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	Carol & Greg
Well Depth:		Last Name:	Garrison
Potable Status:	POTABLE	Phone:	
Action:	NO ACTION AT THIS TIME	Phone Ext:	
Casing Material:		County:	ST. JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.520705
Sanitary Seal:		Latitude:	29.974609
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	6500 SR 16		
City:	ST. AUGUSTINE		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	ESE	0.19	1,002.72	24.44	WATER WELLS

FLUW ID:	AAF4387	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	312822
Req No:		GPS ID:	312822

Wells and Additional Sources Detail Report

Status:	ACTIVE	Resident Type:	
Well Type Code:	50	Name:	GLEN SMITH
Well Type:	Irrigation	First Name:	
Well Depth:	190	Last Name:	
Potable Status:	NON-POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	Galvanized	County:	ST. JOHNS
Length:		Height Abv Ellipsoid:	18.87
Diameter:	4	Longitude:	-81.512126
Sanitary Seal:	Yes	Latitude:	29.975105
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	2/8/2002 9:07:41
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	6205 SR 16		
City:	ST. AUGUSTINE		
Comment:	connected to cw per chd 03/2021		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	WSW	0.22	1,144.85	19.85	WATER WELLS

FLUW ID:	AAA4259	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	550003801	Project ID:	SUPER
Other ID:		Loc ID:	485622
Req No:	23230	GPS ID:	485622
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	OPAL
Well Depth:	0	Last Name:	Dupont
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:	GALVANIZED	County:	ST. JOHNS
Length:	0	Height Abv Ellipsoid:	13.87
Diameter:	3	Longitude:	-81.521279
Sanitary Seal:	Yes	Latitude:	29.974639
Agency:	DOH	Datum:	WS1984
Large PWS:	NO	GPS Date:	12/20/2006 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MILTON	Software:	Well_Solo_v2
Insp L Name:	LARA	Streetside:	No

Insp CHD:	ST. JOHNS
Well Type De:	
Address:	6540 SR 16 RD
City:	ST. AUGUSTINE
Comment:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	W	0.22	1,162.19	19.63	WATER WELLS

FLUW ID:	AAD6273	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	550003601	Project ID:	ANDREW
Other ID:		Loc ID:	485618
Req No:		GPS ID:	485618
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ST. JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.521821
Sanitary Seal:		Latitude:	29.975805
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	6600 SR 16		
City:	ST. AUGUSTINE		
Comment:	door notice on gate 10/5/2020. Letter mailed out 10/27/2020		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	WSW	0.26	1,355.02	19.29	WATER WELLS

FLUW ID:	AAD6277	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	550004001	Project ID:	SUPER
Other ID:		Loc ID:	485626
Req No:	23230	GPS ID:	485626
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	YOUNG

Wells and Additional Sources Detail Report

Well Type:	Private	First Name:	CLYDE
Well Depth:	0	Last Name:	YOUNG
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:	GALVANIZED	County:	ST. JOHNS
Length:	0	Height Abv Ellipsoid:	7.15
Diameter:	2	Longitude:	-81.522098
Sanitary Seal:	Yes	Latitude:	29.974756
Agency:	DOH	Datum:	WS1984
Large PWS:	NO	GPS Date:	11/17/2006 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MILTON	Software:	Well_Solo_v2
Insp L Name:	LARA	Streetside:	No
Insp CHD:	ST. JOHNS		
Well Type De:			
Address:	6544 SR 16		
City:	ST. AUGUSTINE		
Comment:	door notice 10/5/2020 . Letter sent out 10/27/2020		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	NW	0.23	1,225.44	21.24	WATER WELLS

FLUW ID:	DAA0919	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	WC
Other ID:		Loc ID:	1170770
Req No:		GPS ID:	1170770
Status:	ACTIVE	Resident Type:	owner
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	Danny
Well Depth:		Last Name:	Buchler
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	PVC	County:	ST JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	3	Longitude:	-81.520561
Sanitary Seal:		Latitude:	29.980773
Agency:	FDOH	Datum:	
Large PWS:		GPS Date:	1/27/2021 19:23:00
PWS Design:		Loc Method Code:	GPS (VERIFIED)
PWS Verify:		Loc Method:	
Insp F Name:	Erik Wise	Software:	Well_Survey123
Insp L Name:		Streetside:	no
Insp CHD:	ALACHUA		
Well Type De:			

Wells and Additional Sources Detail Report

Address: 655 SR 16A
City: St. Augustine
Comment:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	W	0.31	1,615.29	17.64	WATER WELLS

FLUW ID:	AAD6272	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	550003501	Project ID:	ANDREW
Other ID:		Loc ID:	485616
Req No:		GPS ID:	485616
Status:	INACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ST. JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.52325
Sanitary Seal:		Latitude:	29.975703
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	6600 SR 16		
City:	ST. AUGUSTINE		
Comment:	NO BUILDING ON SITE.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	WSW	0.40	2,100.02	17.24	WATER WELLS

FLUW ID:	AAD6278	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:	550004101	Project ID:	SUPER
Other ID:		Loc ID:	485628
Req No:	23230	GPS ID:	485628
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	HUNTER
Well Type:	Private	First Name:	CECIL
Well Depth:	0	Last Name:	HUNTER

Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:	GALVANIZED	County:	ST. JOHNS
Length:	0	Height Abv Ellipsoid:	8.79
Diameter:	3	Longitude:	-81.52433
Sanitary Seal:	Yes	Latitude:	29.974089
Agency:	DOH	Datum:	WS1984
Large PWS:	NO	GPS Date:	11/15/2006 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MILTON	Software:	Well_Solo_v2
Insp L Name:	LARA	Streetside:	No
Insp CHD:	ST. JOHNS		
Well Type De:			
Address:	6630 SR 16		
City:	ST. AUGUSTINE		
Comment:	door notice 10/5/2020 . Letter sent out 10/27/2020		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	W	0.44	2,325.06	14.79	WATER WELLS

FLUW ID:	AAJ9858	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	778220
Req No:	23230	GPS ID:	778220
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	HUNTER
Well Type:	Private	First Name:	PAT
Well Depth:	0	Last Name:	HUNTER
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	GALVANIZED	County:	ST. JOHNS
Length:	0	Height Abv Ellipsoid:	9.86
Diameter:	2	Longitude:	-81.525434
Sanitary Seal:	Yes	Latitude:	29.975219
Agency:	DOH	Datum:	
Large PWS:	NO	GPS Date:	11/15/2006 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MILTON	Software:	Well_Solo_v2
Insp L Name:	LARA	Streetside:	No
Insp CHD:	ST. JOHNS		
Well Type De:			
Address:	6650 SR 16		
City:	ST. AUGUSTINE		

Comment: door notice 10/5/2020 . Letter sent out 10/27/2020

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	WSW	0.47	2,475.99	15.74	WATER WELLS

FLUW ID:	AAJ9857	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	778214
Req No:	23230	GPS ID:	778214
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	SHAWN
Well Type:	Private	First Name:	LEE
Well Depth:	0	Last Name:	SHAWN
Potable Status:	POTABLE	Phone:	904-669-1594
Action:		Phone Ext:	
Casing Material:	GALVANIZED	County:	ST. JOHNS
Length:	0	Height Abv Ellipsoid:	13.01
Diameter:	2	Longitude:	-81.525273
Sanitary Seal:	Yes	Latitude:	29.973387
Agency:	DOH	Datum:	
Large PWS:	NO	GPS Date:	11/16/2006 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MILTON	Software:	Well_Solo_v2
Insp L Name:	LARA	Streetside:	Yes
Insp CHD:	ST. JOHNS		
Well Type De:			
Address:	6655 SR 16		
City:	ST. AUGUSTINE		
Comment:	door notice 10/5/2020 . Letter sent out 10/27/2020		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	SSW	0.47	2,488.15	13.99	WATER WELLS

FLUW ID:	AAJ9854	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	778212
Req No:	23230	GPS ID:	778212
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	EDMONS
Well Type:	Private	First Name:	JIM
Well Depth:	0	Last Name:	EDMONS
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	

Casing Material:	GALVANIZED	County:	ST. JOHNS
Length:	0	Height Abv Ellipsoid:	11.17
Diameter:	2	Longitude:	-81.520998
Sanitary Seal:	Yes	Latitude:	29.96914
Agency:	DOH	Datum:	
Large PWS:	NO	GPS Date:	11/16/2006 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MILTON	Software:	Well_Solo_v2
Insp L Name:	LARA	Streetside:	No
Insp CHD:	ST. JOHNS		
Well Type De:			
Address:	6489 SR 16		
City:	ST. AUGUSTINE		
Comment:	door notice 10/5/2020 . Letter sent out 10/27/2020		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	WSW	0.53	2,801.44	15.23	WATER WELLS

FLUW ID:	AAJ9856	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	778218
Req No:	23230	GPS ID:	778218
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	43	Name:	GREENWOOD
Well Type:	Private	First Name:	LON
Well Depth:	0	Last Name:	GREENWOOD
Potable Status:	POTABLE	Phone:	904-386-1940
Action:		Phone Ext:	
Casing Material:	PVC	County:	ST. JOHNS
Length:	0	Height Abv Ellipsoid:	7.97
Diameter:	2	Longitude:	-81.526017
Sanitary Seal:	Yes	Latitude:	29.97268
Agency:	DOH	Datum:	
Large PWS:	NO	GPS Date:	11/15/2006 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MILTON	Software:	Well_Solo_v2
Insp L Name:	LARA	Streetside:	No
Insp CHD:	ST. JOHNS		
Well Type De:			
Address:	6675 SR 16		
City:	ST. AUGUSTINE		
Comment:	Gated home		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	ESE	0.51	2,705.77	22.35	WATER WELLS

FLUW ID:	AAC1358	Property ID:	
Permit No:	2554366	Parcel ID:	
WSRP ID:		Project ID:	DEP
Other ID:		Loc ID:	285040
Req No:		GPS ID:	285040
Status:	ACTIVE	Resident Type:	
Well Type Code:	45	Name:	MILL CREEK BAPTIST SCHOOL
Well Type:	Non-Transient Non-Community PWS	First Name:	
Well Depth:	0	Last Name:	
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:		County:	ST. JOHNS
Length:		Height Abv Ellipsoid:	0
Diameter:		Longitude:	-81.50711
Sanitary Seal:		Latitude:	29.972564
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	6/27/1997 0:00:00
PWS Design:	31680	Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	6019-A SR 16		
City:	ST. AUGUSTINE		
Comment:	door notice 10/5/2020 . Letter sent out 10/27/2020		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	W	0.56	2,949.08	9.78	WATER WELLS

FLUW ID:	AAR4408	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	WC
Other ID:		Loc ID:	1166331
Req No:		GPS ID:	1166331
Status:	ACTIVE	Resident Type:	owner
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	Bill
Well Depth:		Last Name:	Harb
Potable Status:	POTABLE	Phone:	904-669-8753
Action:		Phone Ext:	
Casing Material:	GALVANIZED	County:	ST JOHNS
Length:		Height Abv Ellipsoid:	

Diameter:	2	Longitude:	-81.527399
Sanitary Seal:		Latitude:	29.975047
Agency:	FDOH	Datum:	
Large PWS:		GPS Date:	9/21/2020 15:24:00
PWS Design:		Loc Method Code:	GPS (VERIFIED)
PWS Verify:		Loc Method:	
Insp F Name:	Wise	Software:	Well_Survey123
Insp L Name:		Streetside:	no
Insp CHD:	ALACHUA		
Well Type De:			
Address:	6720 SR 16		
City:	St. Augustine		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	WSW	0.58	3,047.96	14.90	WATER WELLS

FLUW ID:	AAR4410	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	WC
Other ID:		Loc ID:	1166333
Req No:		GPS ID:	1166333
Status:	ACTIVE	Resident Type:	owner
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	Heather
Well Depth:		Last Name:	Brown
Potable Status:	POTABLE	Phone:	904-465-3102
Action:		Phone Ext:	
Casing Material:	PVC	County:	ST JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	2	Longitude:	-81.526647
Sanitary Seal:		Latitude:	29.972268
Agency:	FDOH	Datum:	
Large PWS:		GPS Date:	9/21/2020 14:21:00
PWS Design:		Loc Method Code:	GPS (VERIFIED)
PWS Verify:		Loc Method:	
Insp F Name:		Software:	Well_Survey123
Insp L Name:	Wise	Streetside:	no
Insp CHD:	ALACHUA		
Well Type De:			
Address:	6695 SR 16		
City:	St. Augustine		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	WSW	0.61	3,212.20	12.53	WATER WELLS

FLUW ID:	AAR4409	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	WC
Other ID:		Loc ID:	1166332
Req No:		GPS ID:	1166332
Status:	ACTIVE	Resident Type:	owner
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	Rachael
Well Depth:		Last Name:	DeCosta
Potable Status:	POTABLE	Phone:	904-669-6768
Action:		Phone Ext:	
Casing Material:	PVC	County:	ST JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.52795
Sanitary Seal:		Latitude:	29.973857
Agency:	FDOH	Datum:	
Large PWS:		GPS Date:	9/21/2020 14:54:00
PWS Design:		Loc Method Code:	GPS (VERIFIED)
PWS Verify:		Loc Method:	
Insp F Name:		Software:	Well_Survey123
Insp L Name:	Wise	Streetside:	no
Insp CHD:	ALACHUA		
Well Type De:			
Address:	6720 SR 16		
City:	St. Augustine		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	WSW	0.63	3,331.03	15.01	WATER WELLS

FLUW ID:	AAJ9855	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	778216
Req No:	23230	GPS ID:	778216
Status:	ACTIVE	Resident Type:	OWNER
Well Type Code:	42	Name:	BARTRAM TRAIL VETERINARY HOSPITAL
Well Type:	Limited Use PWS	First Name:	KRISTA
Well Depth:	0	Last Name:	DAVIS
Potable Status:	POTABLE	Phone:	904-940-0655
Action:		Phone Ext:	
Casing Material:	PVC	County:	ST. JOHNS
Length:	0	Height Abv Ellipsoid:	7.83
Diameter:	2	Longitude:	-81.527493
Sanitary Seal:	Yes	Latitude:	29.971994

Wells and Additional Sources Detail Report

Agency:	DOH	Datum:	
Large PWS:	NO	GPS Date:	11/15/2006 0:00:00
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:	MILTON	Software:	Well_Solo_v2
Insp L Name:	LARA	Streetside:	No
Insp CHD:	ST. JOHNS		
Well Type De:			
Address:	6751 SR 16		
City:	ST. AUGUSTINE		
Comment:	LUCommercial		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	ESE	0.58	3,072.80	19.38	WATER WELLS

FLUW ID:	DAA0080	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	WC
Other ID:		Loc ID:	1167489
Req No:		GPS ID:	1167489
Status:	ACTIVE	Resident Type:	owner
Well Type Code:	42	Name:	Association of St. Lawrence
Well Type:	Limited Use PWS	First Name:	
Well Depth:		Last Name:	St. Lawrence
Potable Status:	POTABLE	Phone:	
Action:		Phone Ext:	
Casing Material:	GALVANIZED	County:	ST JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:		Longitude:	-81.506631
Sanitary Seal:		Latitude:	29.970925
Agency:	FDOH	Datum:	
Large PWS:		GPS Date:	11/17/2021 19:17:00
PWS Design:		Loc Method Code:	DPHO
PWS Verify:		Loc Method:	Digital Aerial Photos
Insp F Name:	Erik Wise	Software:	Well_Survey123
Insp L Name:		Streetside:	no
Insp CHD:	ALACHUA		
Well Type De:			
Address:	5985 State Road 16		
City:	St. Augustine		
Comment:	Well GPSed in wrong area. Will need corr		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
97	W	0.66	3,490.05	7.55	WATER WELLS

FLUW ID:	AAD6274	Property ID:	

Wells and Additional Sources Detail Report

Permit No:		Parcel ID:	
WSRP ID:	550003701	Project ID:	ANDREW
Other ID:		Loc ID:	485620
Req No:		GPS ID:	485620
Status:	ACTIVE	Resident Type:	
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	
Well Depth:		Last Name:	
Potable Status:	POTABLE	Phone:	
Action:	UNFILTERED	Phone Ext:	
Casing Material:		County:	ST. JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	0	Longitude:	-81.529147
Sanitary Seal:		Latitude:	29.975206
Agency:		Datum:	WS1984
Large PWS:	NO	GPS Date:	
PWS Design:		Loc Method Code:	DGPS
PWS Verify:	0	Loc Method:	Differentially Corrected GPS
Insp F Name:		Software:	
Insp L Name:		Streetside:	
Insp CHD:			
Well Type De:			
Address:	6228 HUNTERS LANE		
City:	ST. AUGUSTINE		
Comment:	made contact with owner but no response after 10/19/2020		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
104	W	0.75	3,965.35	10.12	WATER WELLS

FLUW ID:	AAR4407	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	WC
Other ID:		Loc ID:	1166330
Req No:		GPS ID:	1166330
Status:	ACTIVE	Resident Type:	owner
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	Thomas
Well Depth:		Last Name:	Slattery
Potable Status:	POTABLE	Phone:	904-403-0301
Action:		Phone Ext:	
Casing Material:	PVC	County:	ST JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	4	Longitude:	-81.53053
Sanitary Seal:		Latitude:	29.974397
Agency:	FDOH	Datum:	
Large PWS:		GPS Date:	9/21/2020 15:46:00

Wells and Additional Sources Detail Report

PWS Design:		Loc Method Code:	GPS (VERIFIED)
PWS Verify:		Loc Method:	
Insp F Name:	Wise	Software:	Well_Survey123
Insp L Name:		Streetside:	no
Insp CHD:	ALACHUA		
Well Type De:			
Address:	6217 Hunters Lane		
City:	St. Augustine		
Comment:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
122	WSW	0.95	5,016.80	10.52	WATER WELLS

FLUW ID:	AAR4400	Property ID:	
Permit No:		Parcel ID:	
WSRP ID:		Project ID:	SUPER
Other ID:		Loc ID:	1167456
Req No:		GPS ID:	1167456
Status:	ACTIVE	Resident Type:	owner
Well Type Code:	43	Name:	
Well Type:	Private	First Name:	Scott
Well Depth:		Last Name:	Hum
Potable Status:	POTABLE	Phone:	904-707-0925
Action:		Phone Ext:	
Casing Material:	PVC	County:	ST JOHNS
Length:		Height Abv Ellipsoid:	
Diameter:	3	Longitude:	-81.533273
Sanitary Seal:		Latitude:	29.972038
Agency:	FDOH	Datum:	
Large PWS:		GPS Date:	10/28/2020 13:44:00
PWS Design:		Loc Method Code:	DPHO
PWS Verify:		Loc Method:	Digital Aerial Photos
Insp F Name:		Software:	Well_Survey123
Insp L Name:	Wise	Streetside:	no
Insp CHD:	ALACHUA		
Well Type De:			
Address:	6900 SR 16		
City:	St. Augustine		
Comment:	Not able to obtain sufficient satellites		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *ST. JOHNS* County: **3**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *ST. JOHNS* County

No Measures/Homes:	17
Arithmetic Mean:	0.3
Standard Deviation:	0.1
Maximum:	0.7
% >4 pCi/L:	-
% >8 pCi/L:	-
% >12 pCi/L:	-
Notes on Data Table:	TABLE 2. Indoor radon results from the Florida population-based radon survey, by county.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

Wells from NWIS — **FED USGS**

The U.S. Geological Survey's National Water Information System (NWIS) is the nation's principal repository of water resources data. The NWIS includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIW dataset contains select Site Types from the overall NWIS Sites data, limited to the following Group Site Types only: Groundwater Group Site Types: Well, Collector or Ranney type well, Hyporheic-zone well, Interconnected Wells, Multiple wells; Spring Group Site Type: Spring; and Other Group Site Types: Aggregate groundwater use, Cistern.

State Sources

Florida Subsidence Incident Reports — **SINKHOLES**

A list of Florida Subsidence Incidents made available by the Florida Department of Environmental Protection (DEP) and maintained by the Florida Geological Survey. Sinkholes are closed depressions in

areas underlain by soluble rock such as limestone, dolostone, and in some states gypsum and salt. Other subterranean events can cause holes, depressions, or subsidence of the land surface that may mimic sinkhole activity. Commonly, a reported depression is not verified by a licensed professional geologist to be a true sinkhole, and the cause of subsidence is not known. Such an event is called a subsidence incident.

Oil and Gas Wells **OGW**

The Oil and Gas Program is the permitting authority within the Florida Department of Environmental Protection's Mining and Minerals Regulation Program. Companies interested in exploration or production of hydrocarbons in Florida are regulated by the Oil and Gas Program. This data is made available by Florida Department of Environmental Protection's Oil and Gas program.

Public Water Supply Wells **PWSW**

The Public Water Supply Wells (PWSW) data consist of public water supply facilities and their wells in Florida. This data is made available by Florida Department of Environmental Protection, Water Compliance Assurance Program.

Underground Injection Control Wells **UIC**

Class I Underground Injection Control (UIC) wells that are currently or were previously active, as well as proposed sites, regulated by the Florida Department of Environmental Protection (FDEP). Class I UIC wells are used to inject nonhazardous waste, hazardous waste (new hazardous waste wells were banned in 1983), or municipal waste below the lowermost underground source of drinking water.

Water Use Permits Sites - South Florida Water Management District **WELLS**

List of Water Use Permitting Facilities consisting of wells, pumps and culverts, made available by the South Florida Water Management District. The facilities represent a subset of all wells, pumps and culverts associated with Water Use Permits. A Water Use Permit is required for all water uses except single family and duplex use and fire fighting.

Water Well Completions - Northwest Florida Water Management District **WATER WELLS**

A list of existing well permits provided by the Northwest Florida Water Management District, representing records for wells permitted for construction/repair/abandonment beginning in the year 1976; does not typically contain data on wells constructed prior to 1976. The data provided may therefore only represent a fraction of existing wells. The data are provided by water well contractors on completion reports and, in most cases, has not been verified by District staff.

Water Well Completions - St. Johns River Water Management District **WATER WELLS**

A list of wells in the Water Well Completion Report database made available by the St. Johns River Water Management District (SJRWMD). The SJRWMD advises that data reported in the Water Well Completion Report are obtained from multiple sources, including SJRWMD, delegated counties, and other regulatory agencies; that they cannot assure that contributors have used consistent measurement techniques or adhered to approved quality control standards; and that, although the SJRWMD has made reasonable attempts to assure the quality of the data contained herein, in most cases, the information is reported as received.

Water Well Completions - Suwanee River Water Management District **WELLS**

A list of wells in the Water Well Completion Report database made available by the Suwanee River Water Management District department (SRWMD). The SRWMD advises that data reported in the Water Well Completion Report are obtained from multiple sources, including SRWMD, delegated counties, and other regulatory agencies; that they cannot assure that contributors have used consistent measurement techniques or adhered to approved quality control standards; and that, although the SRWMD has made reasonable attempts to assure the quality of the data contained herein, in most cases, the information is reported as received.

Water Well Construction Permits **WELL CONST PERM**

A list of water well construction permits issued by the St. Johns River Water Management District (SJRWMD).

Water Well Construction Permits - Southwest Florida Water Management District **WATER WELLS**

Locations of well construction sites permitted within the District, including historical sites. A Well Construction Permit is required prior to installation of a water well within the District. The permits ensure that wells are constructed by qualified contractors and meet rigid safety and durability standards.

Water Wells - Suwanee River Water Management District **WATER WELLS**

Appendix

A list of water wells made available by the Suwanee River Water Management District department (SRWMD). The SRWMD advises that data are obtained from multiple sources including SRWMD, delegated counties, and other regulatory agencies; that they cannot assure that contributors have used consistent measurement techniques or adhered to approved quality control standards; and that, although the SRWMD has made reasonable attempts to assure the quality of the data contained herein, in most cases, the information is reported as received.

Well Surveillance Program Water Wells **WATER WELLS**

A list of privately and publicly owned potable wells from the Florida Department of Health's (DOH) Well Surveillance Program.

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Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

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Appendix F

Local Records and Agency-Reviewed Records

BRAUN INTERTEC

Benton, Mackenzie

From: Smith, Roxanne M. <Roxanne.M.Smith@FloridaDEP.gov>
Sent: Friday, June 16, 2023 8:52 AM
To: Benton, Mackenzie
Subject: RE: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

You don't often get email from roxanne.m.smith@floridadep.gov. Learn why this is important

Morning Benton,

After confirming with staff, I did refer this to our Groundwater Program in Tallahassee, but I think the lead will be for the Water Management District in conjunction with the Department of Health. You will want to reach out to the contacts I've listed below.

Michael Turner
Hydrologic Technician
Bureau of Water Use Regulation/ Jacksonville Service Center
St. Johns River Water Management District
Jacksonville Service Center
7775 Baymeadows Way, Suite 102 • Jacksonville, FL 32256
Office: (904) 448-7926 ● Cell: (904) 545-1301
Email: mturner@sjrwmd.com
Website: www.sjrwmd.com
Connect with us: Newsletter, Facebook, Twitter, Instagram, YouTube, Pinterest

The DOH-Environmental Health contact:
Call: 904-506-6081 and ask for someone in the Potable Well Program.

Thanks,
Roxanne

Roxanne Smith
FDEP - Northeast District
Government Operations Consultant
Roxanne.M.Smith@FloridaDEP.gov
Office: 904-256-1602

From: Smith, Roxanne M.
Sent: Thursday, June 15, 2023 3:10 PM
To: Benton, Mackenzie <mbenton@braunintertec.com>
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Does any of that help?

Mackenzie Benton

Staff Scientist
2700 Cumberland Parkway SE #300 | Atlanta, GA 30339
478.542.4769 mobile
mbenton@braunintertec.com

braunintertec.com | Twitter | Facebook

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Thanks,
Roxanne

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Government Operations Consultant
Roxanne.M.Smith@FloridaDEP.gov
Office: 904-256-1602

Contact Phone:
(478) 542-4769

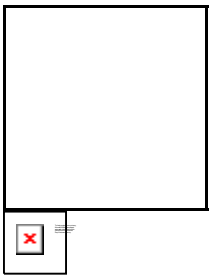
Organization:
Braun Intertec

Case Subject:
Saint Augustine, Ground Water Contamination

Case Description:
Good morning,

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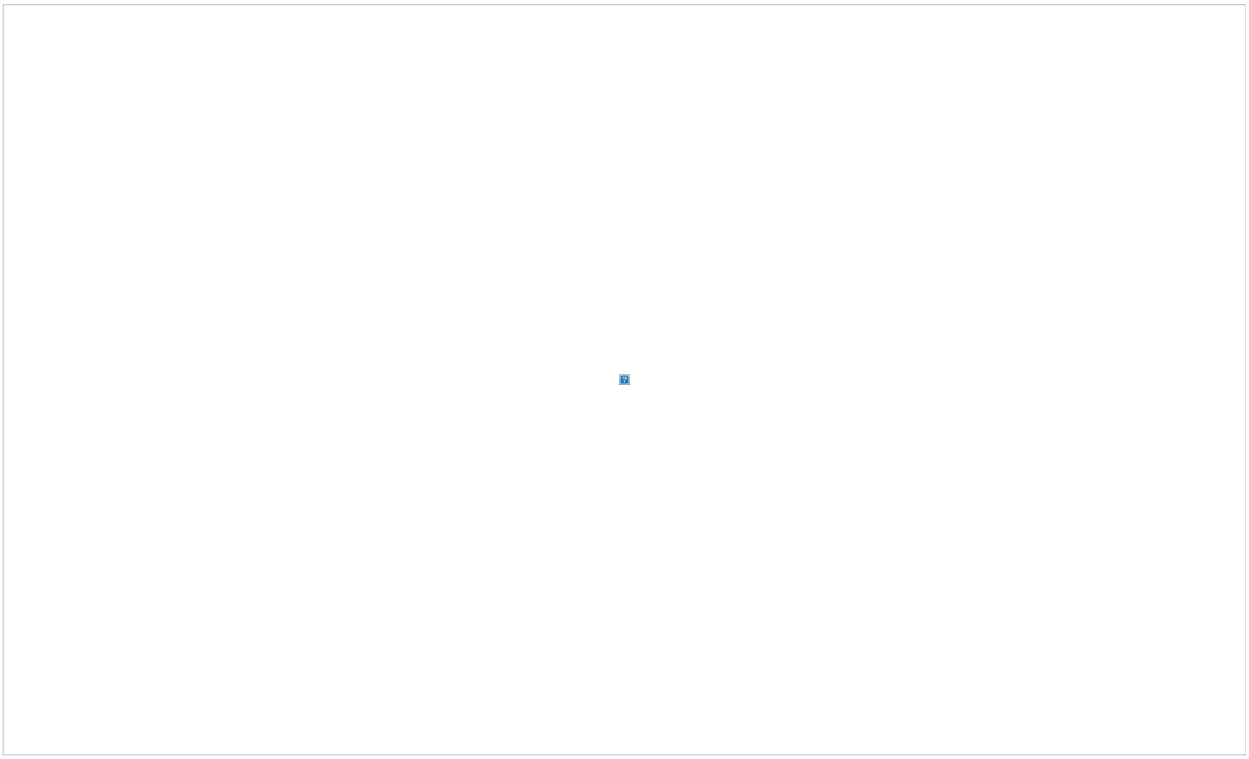
Thank you so much!
Best,
Mackenzie



From: Mike Turner
To: Benton, Mackenzie
Cc: "Roxanne.M.Smith@FloridaDEP.gov"
Subject: Silvex site, 6550 SR 16, St. Augustine, FL 32092, 55993078
Date: Monday, June 19, 2023 11:10:04 AM
Attachments: image004.png
image005.png
image006.jpg
image007.png
image008.jpg
image001.png
District WWC Reviewer Assignments as of 3_23_23.xlsx

Hello Mackenzie,

If you click on DEP's Map Direct link, https://ca.dep.state.fl.us/mapdirect/?focus=grndwtr_dl, and enter the address, 6550 SR 16, St. Augustine, FL 32092, in the search field in upper right corner of web page, this will bring up the Chapter 62-524 Groundwater Delineated Area known as the Silvex site. If you select the Florida State Funded Cleanup Sites symbol within this delineated area, there will be a link on the right side of the web page that will allow you to view documents associated with this site, as shown below.



The St. Johns River Water Management District (District) requires water well (WWC) permits for the following wells in a 62-524 delineated area and a copy of our WWC staff assigned areas is attached for your for your reference. For potable wells, the District will notify the DOH when a new well has been completed so potable well clearance sampling can begin. I hope this information helps. Thanks

The owner shall apply to the District for a water well permit for the following types of wells:

- All wells located in a Chapter 62-524 **Delineated Area** (Counties that have delineated areas include Alachua, Brevard, Duval, Indian River, Lake, Marion, Orange, Putnam, Seminole, St. Johns, and Volusia.)
- All wells having an outside diameter of six inches or greater at land surface.
- All public supply wells, regardless of well diameter, in non-delegated counties (Alachua, Bradford, St. Johns, and Seminole) and in Duval County.
- All limited use supply wells (formally known as "other public" wells) in non-delegated counties.
- All gang wells (a system where two or more water wells are coupled together with a common header or manifold), the total nominal casing sizes of which equal six inches or more, for the purpose of procuring or obtaining water other than for dewatering.
- All open loop (separate supply and return well) geothermal wells having an outside diameter of six inches or greater at land surface and all closed-loop (series of two or more vertically installed loops joined together, with the recirculation of the same thermal transfer fluid) geothermal wells.

The exception to the above list is for wells in Marion County. The Marion County Health Department permits all wells except those in the Chapter 62-524 Delineated Areas and closed-loop geothermal wells, which still require a District permit.

If a property has a consumptive use permit (CUP) from the District and an additional well needs to be added, or a failed well needs to be replaced, the CUP must be modified prior to issuance of the well permit by the District or its delegated permitting authority.

The District has delegation agreements with the county health departments in Baker, Brevard, Clay, Duval (Duval agreement is with the local government), Flagler, Indian River County, Lake, Marion, Nassau, Orange, Putnam, Okeechobee, Osceola, and Volusia Counties for the permitting of all wells located in our District and not permitted by the District. The owner or well contractor should check with the county health department or local government if there are any questions about the permit fees for a well(s) that will be permitted by one of the District's delegated permitting authorities.

Michael Turner
Hydrologic Technician
Bureau of Water Use Regulation/ Jacksonville Service Center
St. Johns River Water Management District
Jacksonville Service Center
7775 Baymeadows Way, Suite 102 • Jacksonville, FL 32256
Office: (904) 448-7926 ● Cell: (904) 545-1301
Email: mturner@sjrwmd.com
Website: www.sjrwmd.com
Connect with us: Newsletter, Facebook, Twitter, Instagram, YouTube, Pinterest



From: Benton, Mackenzie <mbenton@braunintertec.com>
Sent: Friday, June 16, 2023 11:49 AM
To: Mike Turner <mturner@sjrwmd.com>
Subject: Fw: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

Good afternoon,

I know I don't have very much information to go on, but I was hoping to get some information relating to groundwater contamination in St. Augustine, FL. I have forwarded you all of the information I have for the site.

Please let me know if there is anything else I can do! I really appreciate y'all.
Mackenzie



Mackenzie Benton

Staff Scientist
2700 Cumberland Parkway SE #300 | Atlanta, GA 30339
478.542.4769 mobile
mbenton@braunintertec.com

braunintertec.com/Twitter/ Facebook

From: Smith, Roxanne M. <Roxanne.M.Smith@FloridaDEP.gov>
Sent: Friday, June 16, 2023 8:52 AM
To: Benton, Mackenzie <mbenton@braunintertec.com>

Subject: RE: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

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Email: mturner@sjrwmd.com
Website: www.sjrwmd.com
Connect with us: Newsletter, Facebook, Twitter, Instagram, YouTube, Pinterest

The DOH-Environmental Health contact:
Call: 904-506-6081 and ask for someone in the Potable Well Program.

Thanks,
Roxanne

FL-DEP-LOGO

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FDEP - Northeast District
Government Operations Consultant
Roxanne.M.Smith@FloridaDEP.gov
Office: 904-256-1602

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To: Benton, Mackenzie <mbenton@brauninertec.com>
Subject: RE: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

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Thank you so much!
Best,
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We value your opinion. Please take a few minutes to share your comments on the service you received from the District by clicking this link

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• Individuals lobbying the District must be registered as lobbyists (§112.3261, Florida Statutes). Details, applicability and the registration form are available at http://www.sjrwmd.com/lobbyist/

From: St. Augustine City Clerk
To: Benton, Mackenzie
Subject: RE: Open Records Request - St. Augustine
Date: Monday, June 12, 2023 8:36:18 AM
Attachments: image001.png
image003.png
image004.png
image005.png

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Hello,

This property is not located within the jurisdiction of the City of St. Augustine. Please contact St. Johns County for the information you are requesting.

Darlene Galambos
City Clerk
City of St. Augustine | City Clerk
P.O. Box 210 | St. Augustine, FL 32085
Office: 904.825.1007
Email: dgalambos@citystaug.com
Web: www.CityStAug.com

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From: Benton, Mackenzie <mbenton@braunintertec.com>
Sent: Friday, June 9, 2023 11:56 AM
To: St. Augustine City Clerk <cityclerk@citystaug.com>
Subject: Open Records Request - St. Augustine

Hello,

Does the City of St. Augustine have any records regarding underground or aboveground storage tanks, storage/reporting of hazardous material and petroleum products, emergency response to spills of hazardous materials or petroleum products, records of any sumps, pits, oil/water separators,

city environmental permits, and any city environmental inspections, violations, or complaints, or MSDs at 6351 County Road 16-A in St. Augustine, FL?

Thank you,
Mackenzie

Mackenzie Benton

Staff Scientist
2700 Cumberland Parkway SE #300 | Atlanta, GA 30339
478.542.4769 mobile
mbenton@braunintertec.com

braunintertec.com |Twitter | Facebook

From: Jan Brewer
To: Benton, Mackenzie
Subject: RE: Open Records Request - St. Augustine, FL
Date: Thursday, June 15, 2023 12:52:21 PM
Attachments: image002.png
image004.png

This is located in the area of the Silvex cleanup site. Please contact the Florida Department of Environmental Protection Waste Cleanup division for any information. You may access the DEP's OCULUS system Login (state.fl.us) and enter the facility identification number ERIC_3825.

Thank you -

Jan Brewer
Environmental Division Manager
Environmental Division/Growth Management Department
St. Johns County Board of County Commissioners
4040 Lewis Speedway, St. Augustine FL 32084
904-209-0617 | www.sjcfl.us

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From: Benton, Mackenzie <mbenton@braunintertec.com>
Sent: Thursday, June 15, 2023 10:58 AM
To: Jan Brewer <jbrewer@sjcfl.us>
Subject: Open Records Request - St. Augustine, FL

Hello,

Does the Environmental Division have any records regarding underground or aboveground storage tanks, storage/reporting of hazardous material and petroleum products, emergency response to spills of hazardous materials or petroleum products, records of any sumps, pits, oil/water separators, city environmental permits, and any city environmental inspections, violations, or complaints, or MSDs at 6351 County Road 16-A in St. Augustine, FL?

Thank you,

Mackenzie

Mackenzie Benton

Staff Scientist
2700 Cumberland Parkway SE #300 | Atlanta, GA 30339
478.542.4769 mobile
mbenton@braunintertec.com

braunintertec.com |Twitter | Facebook

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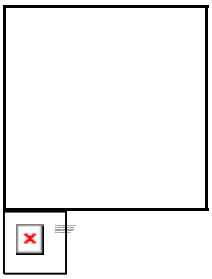
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Thank you,

Mackenzie

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Staff Scientist
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Mackenzie

Mackenzie Benton

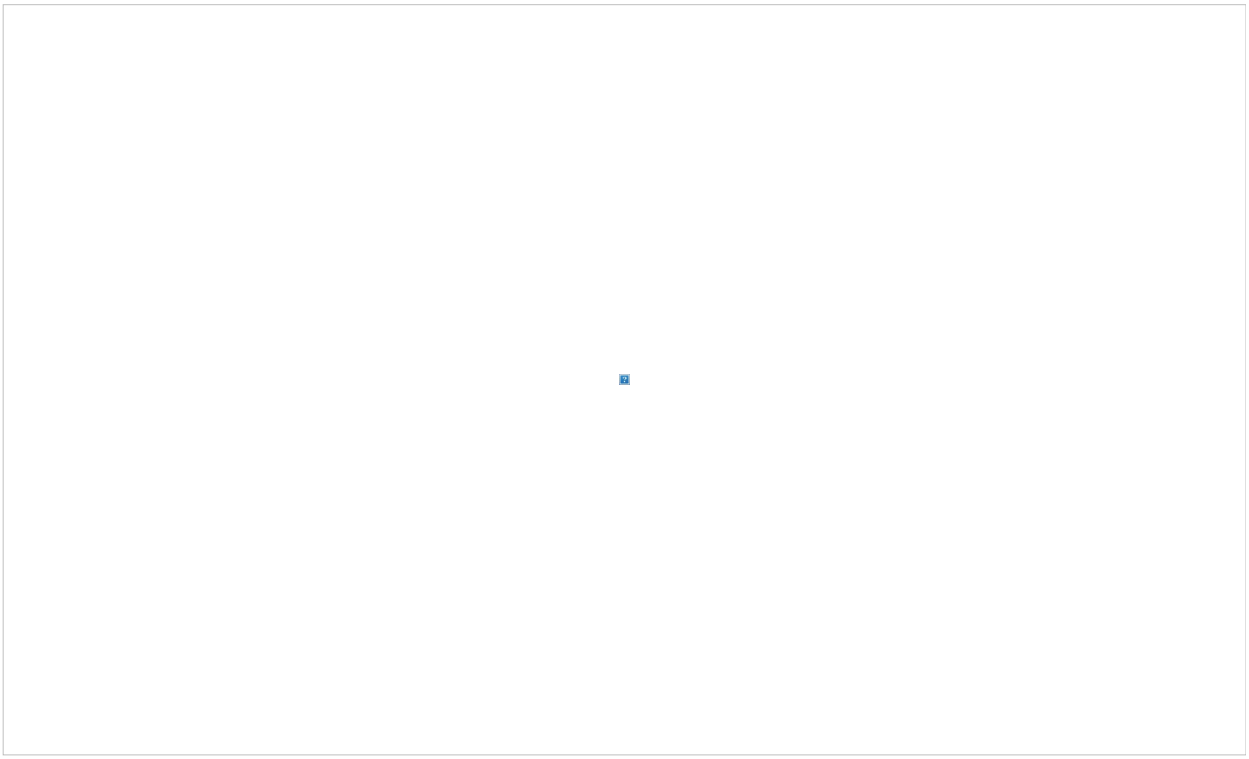
Staff Scientist
2700 Cumberland Parkway SE #300 | Atlanta, GA 30339
478.542.4769 mobile
mbenton@braunintertec.com

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From: Mike Turner
To: Benton, Mackenzie
Cc: "Roxanne.M.Smith@FloridaDEP.gov"
Subject: Silvex site, 6550 SR 16, St. Augustine, FL 32092, 55993078
Date: Monday, June 19, 2023 11:10:04 AM
Attachments: image004.png
image005.png
image006.jpg
image007.png
image008.jpg
image001.png
District WWC Reviewer Assignments as of 3_23_23.xlsx

Hello Mackenzie,

If you click on DEP's Map Direct link, https://ca.dep.state.fl.us/mapdirect/?focus=grndwtr_dl, and enter the address, 6550 SR 16, St. Augustine, FL 32092, in the search field in upper right corner of web page, this will bring up the Chapter 62-524 Groundwater Delineated Area known as the Silvex site. If you select the Florida State Funded Cleanup Sites symbol within this delineated area, there will be a link on the right side of the web page that will allow you to view documents associated with this site, as shown below.



The St. Johns River Water Management District (District) requires water well (WWC) permits for the following wells in a 62-524 delineated area and a copy of our WWC staff assigned areas is attached for your for your reference. For potable wells, the District will notify the DOH when a new well has been completed so potable well clearance sampling can begin. I hope this information helps. Thanks

The owner shall apply to the District for a water well permit for the following types of wells:

- All wells located in a Chapter 62-524 **Delineated Area** (Counties that have delineated areas include Alachua, Brevard, Duval, Indian River, Lake, Marion, Orange, Putnam, Seminole, St. Johns, and Volusia.)
- All wells having an outside diameter of six inches or greater at land surface.
- All public supply wells, regardless of well diameter, in non-delegated counties (Alachua, Bradford, St. Johns, and Seminole) and in Duval County.
- All limited use supply wells (formally known as "other public" wells) in non-delegated counties.
- All gang wells (a system where two or more water wells are coupled together with a common header or manifold), the total nominal casing sizes of which equal six inches or more, for the purpose of procuring or obtaining water other than for dewatering.
- All open loop (separate supply and return well) geothermal wells having an outside diameter of six inches or greater at land surface and all closed-loop (series of two or more vertically installed loops joined together, with the recirculation of the same thermal transfer fluid) geothermal wells.

The exception to the above list is for wells in Marion County. The Marion County Health Department permits all wells except those in the Chapter 62-524 Delineated Areas and closed-loop geothermal wells, which still require a District permit.

If a property has a consumptive use permit (CUP) from the District and an additional well needs to be added, or a failed well needs to be replaced, the CUP must be modified prior to issuance of the well permit by the District or its delegated permitting authority.

The District has delegation agreements with the county health departments in Baker, Brevard, Clay, Duval (Duval agreement is with the local government), Flagler, Indian River County, Lake, Marion, Nassau, Orange, Putnam, Okeechobee, Osceola, and Volusia Counties for the permitting of all wells located in our District and not permitted by the District. The owner or well contractor should check with the county health department or local government if there are any questions about the permit fees for a well(s) that will be permitted by one of the District's delegated permitting authorities.

Michael Turner
Hydrologic Technician
Bureau of Water Use Regulation/ Jacksonville Service Center
St. Johns River Water Management District
Jacksonville Service Center
7775 Baymeadows Way, Suite 102 • Jacksonville, FL 32256
Office: (904) 448-7926 ● Cell: (904) 545-1301
Email: mturner@sjrwmd.com
Website: www.sjrwmd.com
Connect with us: Newsletter, Facebook, Twitter, Instagram, YouTube, Pinterest



From: Benton, Mackenzie <mbenton@braunintertec.com>
Sent: Friday, June 16, 2023 11:49 AM
To: Mike Turner <mturner@sjrwmd.com>
Subject: Fw: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

Good afternoon,

I know I don't have very much information to go on, but I was hoping to get some information relating to groundwater contamination in St. Augustine, FL. I have forwarded you all of the information I have for the site.

Please let me know if there is anything else I can do! I really appreciate y'all.
Mackenzie



Mackenzie Benton

Staff Scientist
2700 Cumberland Parkway SE #300 | Atlanta, GA 30339
478.542.4769 mobile
mbenton@braunintertec.com

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From: Smith, Roxanne M. <Roxanne.M.Smith@FloridaDEP.gov>
Sent: Friday, June 16, 2023 8:52 AM
To: Benton, Mackenzie <mbenton@braunintertec.com>

Subject: RE: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

You don't often get email from roxanne.m.smith@floridadep.gov. Learn why this is important

Morning Benton,

After confirming with staff, I did refer this to our Groundwater Program in Tallahassee, but I think the lead will be for the Water Management District in conjunction with the Department of Health. You will want to reach out to the contacts I've listed below.

Michael Turner
Hydrologic Technician
Bureau of Water Use Regulation/ Jacksonville Service Center
St. Johns River Water Management District
Jacksonville Service Center
7775 Baymeadows Way, Suite 102 • Jacksonville, FL 32256
Office: (904) 448-7926 ● Cell: (904) 545-1301
Email: mturner@sjrwmd.com
Website: www.sjrwmd.com
Connect with us: Newsletter, Facebook, Twitter, Instagram, YouTube, Pinterest

The DOH-Environmental Health contact:
Call: 904-506-6081 and ask for someone in the Potable Well Program.

Thanks,
Roxanne

FL-DEP-LOGO

Roxanne Smith
FDEP - Northeast District
Government Operations Consultant
Roxanne.M.Smith@FloridaDEP.gov
Office: 904-256-1602

From: Smith, Roxanne M.
Sent: Thursday, June 15, 2023 3:10 PM
To: Benton, Mackenzie <mbenton@brauninertec.com>
Subject: RE: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

Looks like it's a Water Management District site. Let me check with our staff and I'll get back to you.

Thanks,
Roxanne

FL-DEP-LOGO

Roxanne Smith
FDEP - Northeast District
Government Operations Consultant
Roxanne.M.Smith@FloridaDEP.gov
Office: 904-256-1602

From: Benton, Mackenzie <mbenton@brauninertec.com>
Sent: Thursday, June 15, 2023 3:02 PM
To: Smith, Roxanne M. <Roxanne.M.Smith@FloridaDEP.gov>
Subject: Re: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

I wish I could all I have is this blurb and the map. It is the triangle labeled number 1.

Does any of that help?

Mackenzie Benton

Staff Scientist
2700 Cumberland Parkway SE #300 | Atlanta, GA 30339
478.542.4769 mobile
mbenton@brauninertec.com

brauninertec.com | Twitter | Facebook

From: Smith, Roxanne M. <Roxanne.M.Smith@FloridaDEP.gov>
Sent: Thursday, June 15, 2023 2:57 PM
To: Benton, Mackenzie <mbenton@brauninertec.com>
Cc: PublicRecordsRequests Regulatory <PublicRecordsRequests_Regulatory@dep.state.fl.us>; SalesForce CRM <PublicServices@dep.state.fl.us>; Stephens, Susan <Susan.Stephens@dep.state.fl.us>
Subject: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

You don't often get email from roxanne.m.smith@floridadep.gov. Learn why this is important

Afternoon Mackenzie,

Can you provide me additional information for your request, such as an address, facility name, etc? Zone ID 55993078 doesn't provide me anything to go on.

Thanks,
Roxanne

FL-DEP-LOGO

Roxanne Smith
FDEP - Northeast District
Government Operations Consultant
Roxanne.M.Smith@FloridaDEP.gov
Office: 904-256-1602

Contact Phone:
(478) 542-4769

Organization:
Braun Intertec

Case Subject:
Saint Augustine, Ground Water Contamination

Case Description:
Good morning,

I would like to request all information relating to groundwater contamination at Zone ID 55993078. I have attached a screenshot of all of the information I have about the contamination.

Thank you so much!
Best,
Mackenzie





We value your opinion. Please take a few minutes to share your comments on the service you received from the District by clicking this link

Notices
• Emails to and from the St. Johns River Water Management District are archived and, unless exempt or confidential by law, are subject to being made available to the public upon request. Users should not have an expectation of confidentiality or privacy.
• Individuals lobbying the District must be registered as lobbyists (§112.3261, Florida Statutes). Details, applicability and the registration form are available at http://www.sjrwmd.com/lobbyist/

Geosyntec consultants

engineers | scientists | innovators

YEAR 9 POST INTERIM SOURCE REMOVAL GROUNDWATER MONITORING REPORT

Silvex Site
6550 State Road 16
St. Augustine, FL
FDEP Facility ID ERIC_3825

Prepared for

Florida Department of Environmental Protection
2600 Blair Stone Road MS 4535
Tallahassee, FL, 32399

Prepared by

Geosyntec Consultants, Inc.
1200 Riverplace Blvd, Suite 710
Jacksonville, FL 32207

Project Number: FR1719E

13 April 2020

Geosyntec
consultants

YEAR 9 POST INTERIM SOURCE REMOVAL GROUNDWATER MONITORING REPORT

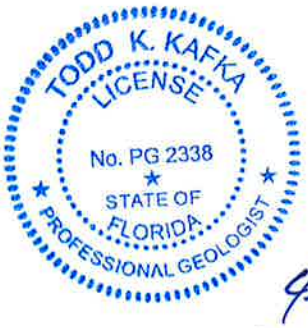
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Florida Department of Evironmental Protection
2600 Blair Stone Road MS 4535
Tallahassee, FL, 32399

Prepared by

Geosyntec Consultants, Inc.
1200 Riverplace Blvd, Suite 710
Jacksonville, FL 32207



4-15-20

Ashley B. Ramsey
Senior Staff Professional

Todd K. Kafka, P.G.
Principal Hydrogeologist
Florida Professional Geologist No. 2338
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1. INTRODUCTION

Geosyntec has prepared this Year 9 Post Interim Source Removal (ISR) Groundwater Monitoring Report (Report) to document the results of the annual groundwater sampling conducted at the Silvex Site (Site), Florida Department of Environmental Protection (FDEP) Facility ID #052, ERIC ID #3825, approximately nine years following ISR activities. This Report was prepared in general accordance with Chapter 62-780 Florida Administrative Code (FAC) under Contract No. HW550, Task Assignment HW008J.

1.1 Site Location and Background

According to the St. Johns County Property Appraiser's website, the Silvex property (parcel ID 028000 0000) is owned by Lynn Benner Dexter and located within Section 30, Township 06S, Range 28E at 6550 State Road (S.R.) 16 in St. Augustine, St. Johns County, Florida. In 1986, the FDEP (formerly Florida Department of Environmental Regulation) was granted court-ordered access to the Site.

The Silvex Corporation was a former silver smelting operation that utilized waste solvents obtained from Jacksonville Naval Air Station for fuel. The Site is defined in two ways as follows: (i) by the parcel property boundary (property parcel) as listed on the Property Appraiser's website; and (ii) by the 2-acre area enclosed by the chain link fence where historical impacts have been identified (enclosed property) (**Figure 1**). The Site property parcel is bordered to the north by woodlands, to the south by residential properties, to the east by pasture land, and to the west by Wards Creek, which runs through the northwest corner of the property parcel. Historical groundwater impacts identified at the Site consisted of aromatic, alkene and alkane compounds.

1.2 Previous Assessments and Interim Source Removal

Previous Site assessment and remedial activities were conducted by Ecology and Environment, Inc. (E&E) between 1985 and 2008. In July 2009, the Site was transferred to Geosyntec. In October and November 2009, Geosyntec completed additional assessment activities to evaluate the source area and extents of aromatic, alkene, and alkane groundwater impacts.

Based on the supplemental site assessment data, Geosyntec performed an ISR of approximately 4,683 tons of impacted soil between August and October 2010. Excavated areas were backfilled with 5 feet (ft) of crushed limestone, corresponding to 10 to 15 ft below land surface (bls) and 10 ft of sandy fill material, corresponding to land surface to 10 ft bls. During excavation activities, approximately 7.8 million gallons of groundwater were treated and discharged to an on-Site infiltration gallery.

Eight monitoring wells (MW007, MW012, MW015I, MW019, MW021, MW024, MW025, and MW026) are currently utilized to monitor residual contaminants of concern (COCs) including volatile organic compounds (VOCs) and 1,4-dioxane groundwater impacts. The groundwater monitoring well network is illustrated on **Figure 1**. The current groundwater monitoring plan is summarized in **Table 1**.

2. YEAR 9 POST-ISR FIELD ACTIVITIES

Year 9 post-ISR field activities were conducted on 7 and 8 January 2020 and included the collection of water level measurements and groundwater sampling. Field activities were conducted in general accordance with FDEP's Standard Operating Procedure (SOP) Manual (DEP-QA-001/01) effective April 2018.

2.1 Water Level Measurements

During the Year 9 post-ISR groundwater sampling event, Geosyntec personnel recorded depth to water (DTW) measurements from the groundwater monitoring well network to evaluate groundwater flow characteristics. Site water level data was collected on 7 January 2020 and is provided in **Table 2**. Water level measurement field forms are provided with the groundwater sampling field forms in **Appendix A**.

During DTW measurement activities, MW012 was found to be destroyed at the bottom of a debris pile with the above ground casing removed by mechanical activity in the area. The well cap at MW026 was lodged within the well likely due to truck traffic in the area and could not be removed. Well conditions are documented in the photographic log provided as **Appendix D**.

2.2 Annual Groundwater Sampling

On 8 January 2020, groundwater samples were collected from five monitoring wells (MW015I, MW018, MW019, MW021, and MW024) in accordance with the current sampling plan presented in the FDEP-approved Year 8 Post-ISR Groundwater Monitoring Report. The groundwater monitoring well network including 18 monitoring wells and three recovery wells is presented on **Figure 1**.

Groundwater samples from MW019 and MW021 were analyzed for VOCs via U.S. Environmental Protection Agency (EPA) Test Method 8260 by Advanced Environmental Laboratories, Inc. (AEL), a National Environmental Laboratory Accreditation Program (NELAP)-approved fixed based laboratory. Groundwater samples from MW015I, MW018, and MW024 were submitted to FDEP's fixed-based laboratory located in Tallahassee, FL for analysis of 1,4-dioxane by EPA Test Method 522. Groundwater sampling field forms are presented in **Appendix A**.

2.3 IDW Management

Investigation derived waste (IDW) included liquids generated during groundwater sampling activities. IDW was containerized in a new steel 55-gallon drum, labeled, and temporarily staged on-Site. IDW from the Year 9 post-ISR groundwater sampling event was transported off-Site on 12 March 2020 by Horizon Environmental Services, LLC. A copy of the non-hazardous waste manifest is provided as **Appendix B**.

3. YEAR 9 POST-ISR GROUNDWATER SAMPLING RESULTS AND DISCUSSION

3.1 Evaluation of Hydrogeological Results

DTW measurements and corresponding groundwater elevations from the groundwater monitoring well network were used to develop groundwater elevation contours, and evaluate gradients and flow direction. The Site groundwater is characterized by the surficial aquifer to a depth of approximately 60 ft bls or the top of the Hawthorn Group Sediments. For the purposes of this Report, the depth interval between 20 and 42 ft bls is referred to as the upper surficial aquifer, and the interval from 46 to 60 ft bls is the lower surficial aquifer.

Groundwater elevations and flow directions in the upper surficial aquifer at the Site are likely influenced by Wards Creek to the west and the pond located on the parcel southwest of the Site. However, in the absence of monitoring wells screened across the water table and surface water staff gauges, the groundwater flow direction in the upper surficial aquifer can only be inferred from monitoring wells screened between approximately 20 and 42 ft bls shown on **Figure 2A.** Previous Site data generated indicated that gaining conditions were observed along an approximately 300 ft segment of Wards Creek west and southwest of the Site and a westerly flow component from the Site (Ecology & Environment, 1998). This flow direction is consistent with the distribution of VOHs and 1,4-dioxane, as illustrated in **Figure 3**. In the lower surficial aquifer, a south to southwesterly groundwater flow direction is apparent (**Figure 2B**); groundwater elevations in the lower surficial would not be expected to be as influenced by surface water features and those in the upper surficial aquifer.

A slightly downward vertical hydraulic gradient of 0.0006 ft/ft was evaluated between MW002 (screened 26 to 36 ft bls) and MW001 (screened 46 to 56 ft bls).

3.2 Groundwater Sampling Results

3.2.1 Groundwater Quality Parameters

Groundwater quality parameters were collected during purging and stabilization of monitoring wells sampled during the groundwater sampling event. Groundwater quality parameters are presented in **Table 3**. Overall, pH values were between 5 and 7 standard units. A range of oxidation reduction potential (ORP) values between aerobic and reducing conditions were also observed.

3.2.2 Groundwater Analytical Results

Groundwater analytical data is presented for monitoring wells in **Table 4A,** for recovery wells in **Table 4B**, and is illustrated with monitoring and recovery well locations on **Figure 3**. Complete laboratory analytical reports are presented in **Appendix C**.

Laboratory analytical reports indicated groundwater concentrations of tricholoethene (TCE) and vinyl chloride (VC; MW019), VC (MW021), and 1,4-dioxane MW015I and MW024) were detected above the groundwater cleanup target levels (GCTLs). The exceedances occurred in lower surficial groundwater and are grouped in the former source area with the exception of VC at MW021 located downgradient adjacent to Wards Creek and 1,4-dioxane at MW024 located

along the southern property line adjacent to (S.R. 16). The TCE groundwater concentration observed at MW019 in 2020 represents an increase relative to the previous three sampling events. While the observed VC concentration in MW021 has remained generally consistent during recent sampling events, this is the first detection and exceedance in MW019 since 2015.

4. QUALITY ASSURANCE AND QUALITY CONTROL

Field activities, including groundwater sample collection, were performed in general accordance with the FDEP's SOP Manual (DEP-QA-001/01), effective April 2018. AEL, a fixed-base, NELAP-approved laboratory, was utilized to analyze the groundwater samples collected for VOHs during the 2019 annual groundwater sampling event. The below observations regarding laboratory QA/QC were noted for samples analyzed by AEL using EPA Test Method 8260B.

- Samples were received in good condition and analyzed within the established hold times for each analyte.
- The laboratory control samples, matrix spike, and method blanks for the samples were within acceptable limits.
- For the duplicate sample collected at MW019, the reported TCE concentration was approximately 33% different from the parent sample while the remaining consistuents were within 20% of those of the parent sample. Per FDEP data usability guidelines specified in DEP-EA 001/07 (FDEP 2008), the target percent difference for duplicate samples is approximately 20% and therefore the data is generally within acceptable limits.

FDEP's fixed-based laboratory located in Tallahassee, FL was utilized to analyze the groundwater samples collected for 1,4-dioxane during the 2020 annual groundwater sampling event. The below observations regarding laboratory QA/QC were noted for samples analyzed using EPA Test Method 522.

Groundwater samples for 1,4-dioxane were field preserved using sodium bisulfate, while VOC sample containers were pre-preserved by the laboratory. Groundwater samples were stored on ice following sampling and during transportation to the laboratories.

Laboratory method blank samples analyzed by the laboratory and had no detections. Laboratory control samples, laboratory control sample duplicates, and surrogates analyzed by the laboratory were also generally within acceptable limits.

Geosyntec's QA/QC review of the laboratory data set indicates it is of adequate quality for use in this groundwater evaluation. The laboratory certificates are presented along with laboratory analytical results in **Appendix C**.

5. CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

The following conclusions summarize the results of the Year 9 post-ISR annual groundwater sampling event.

- No COC groundwater GCTL exceedances have been observed in the upper surficial aquifer within the last three annual sampling events.
- Within the lower surficial aquifer, conclusions are as follows:
  - GCTL exceedances for TCE are limited to monitoring well MW019. The 2020 TCE concentration more than tripled but remains within the range of concentrations observed since the 2020 ISR. The lingering concentrations of cis-1,2-DCE and trans-1,2-DCE detected in MW019 combined with strongly positive ORPs indicates reductive dechlorination is not occurring.
  - GCTL exceedances for vinyl chloride appear to be generally stable and limited to monitoring wells MW019 and MW021. Vinyl chloride groundwater impacts are fully delineated at MW019, but are not fully delineated west of MW021 in the 50 to 60 ft bls zone. However, the vinyl chloride concentration is only slightly above the GCTL, and additional delineation efforts do not seem warranted at this time until Site closure under Risk Management Option (RMO) III is agreed to by the five neighboring property owners (6544 S.R. 16, 6540 S.R. 16, 6500 S.R. 16, 6550 S.R. 16, and Fruit Cove Baptist Church), which has not been previously possible.
  - 1,4-dioxane concentrations exceeding the GCTL were observed in monitoring wells MW015I and MW024 and remain generally stable. During the 2020 annual groundwater sampling event, 1,4-dioxane groundwater impacts appear to be decreasing along the perimeter of the Site and are delineated in the vicinity of MW015I.
- Present groundwater geochemical conditions of pH, DO, and ORP indicate that aquifer conditions may be conducive to some reductive dechlorination at certain locations and depth, but are not optimal across the entire Site as a whole.

5.2 Recommendations

Geosyntec recommends the following:

- Continue groundwater monitoring to: (i) monitor the on-Site TCE plume and off-Site vinyl chloride plume; and (ii) monitor the dissolved 1,4-dioxane plume south and southwest of the Site.
- Install a replacement well pad and retrofit the riser of monitoring well MW026 to repair observed damages. In light of the 1,4-dioxane GCTL exceedances at MW024, groundwater levels and potentially chemical data are important to collect from MW026.

- Repair the observed damaged fence sections of the Site to prevent further damage to the fence and/or properties – During the 2020 annual monitoring event, the property owner of 6500 S.R. 16 reported two damaged fence sections needing repair on the east and western regions of the Site. Approximately 50 feet of fencing and 30 ft of fencing on the eastern and western boundaries of the Site, respectively, have began leaning significantly to the west. This damage appears to likely be the result of the prevailing wind direction and aging of chainlink fencing. Fence conditions are documented in the photographic log provided as **Appendix D**.
- Install two, new monitoring wells (MW027 and MW028) within the lower surficial aquifer between MW007 and MW024 to delineate the extent of 1,4-dioxane impacts within the lower surficial aquifer as presented in **Figure 4** and whether or not the contamination extends onto adjacent property. The new groundwater monitoring wells will be sampled on an annual frequency. The groundwater monitoring well sampling plan is presented in **Table 1**.
- Survey the new monitoring wells, repaired MW026, and a staff gauge or measuring point along the pond bridge to serve as an additional water level by a florida licensed surveyor.
- Collect a round of water levels will be collected from the entire monitoring well network including newly installed or repaired monitoring wells (MW026, MW027, MW028) and the pond staff gauge in 2021 to provide a synoptic and complete evaluation of groundwater elevations and flow directions in the upper and lower surficial aquifers.

6.0 REFERENCES

United States Geological Survey. S*hallow/Intermediate Groundwater Remediation and Sand Point Installation Activities Report at the Silvex Site, St. Johns County, Florida*. Ecology and Environment. January 1998.

Geosyntec Consultants. *Year 8 Post Interim Source Removal Groundwater Monitoring Report*. April 2019.

TABLES

Florida Department of Environmental Protection

TABLE 1: CURRENT GROUNDWATER MONITORING PLAN

Facility Name: Silvex
Facility ID ERIC_3825

Sample Location	Analysis		
	Sampling Frequency		
	Annual		Biennial
	VOCs by EPA Test Method 8260	1,4-dioxane by EPA Test Method 522	1,4-dioxane by EPA Test Method 522
MW001			x
MW015I		x	
MW018		x	
MW019	x		
MW021	x		x
MW024		x	
MW025			x
MW026			x
MW027*		x	
MW028*		x	

Notes:

1. Monitoring wells MW006, MW013, and MW017 were removed from the groundwater sampling plan following Year 1 post-ISR groundwater sampling at the request of the Florida Department of Environmental Protection.
2. RW007 was removed from the groundwater sampling plan following Year 4 post-ISR groundwater sampling.
3. Monitoring wells MW002, MW003, MW008, MW009, MW011, MW018, MW020, MW022, MW023, RW005/MW005, and RW008 were removed from the groundwater sampling plan following Year 5 post-ISR groundwater sampling.
4. MW001 and MW015I were removed from the biennial sampling plan following Year 6 post-ISR groundwater sampling.
5. Following the Year 8 post-ISR sampling event, MW001 was added to biennial analysis for 1,4-dioxane, MW007 and MW012 were removed from the sampling plan, MW018 was added to the annual analysis for 1,4-dioxane, and MW024 was transitioned to annual analysis for 1,4-dioxane.
6. EPA indicates the U.S. Environmental Protection Agency
7. VOCs indicates Volatile Organic Compounds.
8. * indicates wells to be installed based on the recommendations presented in the 2020 GMR.

Florida Department of Environmental Protection

TABLE 2: STATIC GROUNDWATER ELEVATION

Facility Name: Silvex
Facility ID ERIC_3825

No Data = Blank
FP = Free Product

WELL NO.	MW001			MW002			MW003			RW005 (MW005)			MW006			MW007		
DIAMETER (in)	2			2			2			4			4			4		
WELL DEPTH	56.0			36.0			18.0			35.0			35.0			42.0		
SCREEN INTERVAL	46-56			26-36			8-18			25-35			25-35			32-42		
TOC ELEVATION	23.438			23.700			23.465			21.634			24.250			24.365		
DATE	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**
5/9/2000	16.73	6.71	---	16.72	6.98	---	16.94	6.53	---	17.46	4.17	---	16.82	7.43	---	17.25	7.12	---
8/10/2000	17.74	5.70	---	17.81	5.89	---	17.82	5.65	---	17.51	4.12	---	18.06	6.19	---	18.29	6.08	---
5/1/2001	17.43	6.01	---	17.45	6.25	---	17.48	5.99	---	18.15	3.48	---	17.67	6.58	---	17.99	6.38	---
8/10/2001	17.78	5.66	---	17.80	5.90	---	17.83	5.64	---	18.48	3.15	---	18.02	6.23	---	18.28	6.09	---
2/5/2002	18.55	4.89	---	18.56	5.14	---	18.60	4.87	---	19.17	2.46	---	18.78	5.47	---	19.00	5.37	---
8/15/2002	20.86	2.58	---	20.91	2.79	---	21.06	2.41	---	21.27	0.36	---	21.07	3.18	---	21.29	3.08	---
2/11/2003	19.49	3.95	---	19.52	4.18	---	19.55	3.92	---	19.92	1.71	---	19.83	4.42	---	20.30	4.07	---
6/15/2003	18.56	4.88	---	18.53	5.17	---	18.59	4.88	---	19.19	2.44	---	18.80	5.45	---	19.10	5.27	---
8/7/2003	18.56	4.88	---	18.58	5.12	---	18.59	4.88	---	19.19	2.44	---	18.80	5.45	---	19.10	5.27	---
11/14/2003	17.96	5.48	---	17.96	5.74	---	17.95	5.52	---	18.62	3.01	---	18.20	6.05	---	18.50	5.87	---
2/18/2004	17.96	5.48	---	18.07	5.63	---	18.06	5.41	---	18.74	2.89	---	18.30	5.95	---	18.64	5.73	---
5/19/2004	17.10	6.34	---	17.10	6.60	---	17.10	6.37	---	17.81	3.82	---	17.33	6.92	---	17.67	6.70	---
8/6/2004	19.61	3.83	---	19.63	4.07	---	19.70	3.77	---	20.20	1.43	---	19.87	4.38	---	20.22	4.15	---
12/1/2004	18.14	5.30	---	18.17	5.53	---	18.21	5.26	---	19.02	2.61	---	18.31	5.94	---	18.54	5.83	---
2/22/2005	17.48	5.96	---	17.47	6.23	---	17.45	6.02	---	18.25	3.38	---	17.66	6.59	---	17.90	6.47	---
5/24/2005	17.61	5.83	---	17.60	6.10	---	17.59	5.88	---	18.39	3.24	---	17.79	6.46	---	18.04	6.33	---
7/25/2005	18.03	5.41	---	18.03	5.67	---	18.09	5.38	---	18.66	2.97	---	18.24	6.01	---	18.45	5.92	---
8/29/2005	18.13	5.31	---	18.13	5.57	---	18.16	5.31	---	18.75	2.88	---	18.30	5.95	---	18.46	5.91	---
1/19/2006	18.41	5.03	---	18.42	5.28	---	18.45	5.02	---	18.90	2.73	---	18.60	5.65	---	18.75	5.62	---
3/28/2006	NM	NM	---	NM	NM	---	15.59	7.88	---	17.73	3.90	---	17.17	7.08	---	NM	NM	---
6/19/2006	17.40	6.04	---	17.42	6.28	---	17.43	6.04	---	18.27	3.36	---	17.50	6.75	---	17.64	6.73	---
9/6/2006	16.69	6.75	---	16.70	7.00	---	16.73	6.74	---	17.54	4.09	---	16.80	7.45	---	16.82	7.55	---
12/6/2006	16.47	6.97	---	16.45	7.25	---	16.49	6.98	---	17.25	4.38	---	16.53	7.72	---	16.53	7.84	---
9/3/2008	17.19	6.25	---	19.40	4.30	---	17.82	5.65	---	19.28	2.35	---	18.05	6.20	---	19.37	5.00	---
10/6/2009	NM	NM	---	NM	NM	---	NM	NM	---	18.02	3.61	---	NM	NM	---	NM	NM	---
10/22/2009	17.32	6.12	---	17.28	6.42	---	17.35	6.12	---	NM	NM	---	NM	NM	---	NM	NM	---
10/23/2009	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---	17.48	6.77	---	17.67	6.70	---
10/26/2009	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---
11/29/2011	15.84	7.60	---	15.83	7.87	---	15.87	7.60	---	16.56	5.07	---	15.98	8.27	---	16.07	8.30	---
10/31/2012	18.17	5.27	---	18.18	5.52	---	18.22	5.25	---	NM	NM	---	18.36	5.89	---	18.53	5.84	---
12/17/2013	19.63	3.81	---	19.66	4.04	---	19.75	3.72	---	19.84	1.79	---	19.92	4.33	---	20.33	4.04	---
2/16/2015	17.71	5.73	---	17.98	5.72	---	17.49	5.98	---	18.50	3.13	---	NM	NM	---	18.07	6.30	---
1/18/2016	17.70	5.74	---	17.73	5.97	---	17.77	5.70	---	18.37	3.26	---	17.92	6.33	---	18.13	6.24	---
1/10/2017	17.73	5.71	---	17.75	5.95	---	17.78	5.69	---	18.39	3.24	---	17.94	6.31	---	18.17	6.20	---
1/15/2018	18.76	4.68	---	19.28	4.42	---	19.06	4.41	---	NM	NM	---	19.21	5.04	---	19.46	4.91	---
1/15/2019	18.44	5.00	---	18.44	5.26	---	18.46	5.01	---	18.99	2.64	---	18.63	5.62	---	18.87	5.50	---
1/7/2020	18.41	5.03	---	18.42	5.28	---	18.45	5.02	---	NM	NM	--	18.60	5.65	---	18.83	5.54	---

Notes:
1. --- indicates none found
2. NM indicates not measured
3. Blank cell indicates no data
4. in indicates inches
5. TOC indicates top of casing
6. ELEV indicates elevation (feet relative to North American Vertical Datum 1988)
7. DTW indicates depth to water
8. FP indicates free product
9. Data prior to 2009 provided by E&E

Florida Department of Environmental Protection

TABLE 2: STATIC GROUNDWATER ELEVATION

Facility Name: Silvex
Facility ID ERIC_3825
All measurements in feet unless otherwise noted

No Data = Blank
FP = Free Product

WELL NO.	MW008			MW009			MW011			MW012			MW013			MW015I		
DIAMETER (in)	2			2			2			2			2			4		
WELL DEPTH	50.0			46.0			38.0			38.0			36.0			60.0		
SCREEN INTERVAL	40-50			36-46			28-38			28-38			26-36			50-60		
TOC ELEVATION	24.017			23.721			23.824			23.524			24.946			20.854		
DATE	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**
5/9/2000	15.85	8.17	---	16.80	6.92	---	15.57	8.25	---	15.97	7.55	---	17.20	7.75	---	16.84	4.01	---
8/10/2000	16.90	7.12	---	17.43	6.29	---	15.69	8.13	---	16.73	6.79	---	18.11	6.84	---	17.64	3.21	---
5/1/2001	16.59	7.43	---	17.49	6.23	---	16.28	7.54	---	16.60	6.92	---	17.84	7.11	---	17.52	3.33	---
8/10/2001	16.98	7.04	---	17.97	5.75	---	16.59	7.23	---	16.92	6.60	---	18.13	6.82	---	17.35	3.50	---
2/5/2002	17.86	6.16	---	19.01	4.71	---	17.29	6.53	---	17.51	6.01	---	18.74	6.21	---	18.49	2.36	---
8/15/2002	19.73	4.29	---	20.68	3.04	---	19.21	4.61	---	19.33	4.19	---	21.01	3.94	---	20.34	0.51	---
2/11/2003	18.68	5.34	---	19.96	3.76	---	18.03	5.79	---	18.21	5.31	---	19.64	5.31	---	19.23	1.62	---
6/15/2003	17.85	6.17	---	18.92	4.80	---	17.34	6.48	---	17.59	5.93	---	18.83	6.12	---	18.53	2.32	---
8/7/2003	17.85	6.17	---	18.92	4.80	---	17.34	6.48	---	17.59	5.93	---	18.83	6.12	---	18.53	2.32	---
11/14/2003	17.47	6.55	---	18.61	5.11	---	18.25	5.57	---	17.09	6.43	---	18.18	6.77	---	18.12	2.73	---
2/18/2004	17.44	6.58	---	18.55	5.17	---	18.31	5.51	---	17.24	6.28	---	18.37	6.58	---	18.18	2.67	---
5/19/2004	16.47	7.55	---	17.59	6.13	---	17.36	6.46	---	16.36	7.16	---	17.43	7.52	---	17.32	3.53	---
8/6/2004	18.81	5.21	---	19.74	3.98	---	19.66	4.16	---	20.51	3.01	---	19.80	5.15	---	19.49	1.36	---
12/1/2004	17.38	6.64	---	20.00	3.72	---	18.54	5.28	---	17.49	6.03	---	18.52	6.43	---	18.42	2.43	---
2/22/2005	17.01	7.01	---	18.03	5.69	---	17.95	5.87	---	16.82	6.70	---	17.73	7.22	---	17.84	3.01	---
5/24/2005	17.15	6.87	---	18.13	5.59	---	18.01	5.81	---	16.84	6.68	---	17.82	7.13	---	17.88	2.97	---
7/25/2005	17.55	6.47	---	18.63	5.09	---	18.32	5.50	---	17.12	6.40	---	18.16	6.79	---	18.17	2.68	---
8/29/2005	17.53	6.49	---	18.64	5.08	---	18.26	5.56	---	17.08	6.44	---	18.11	6.84	---	18.09	2.76	---
1/19/2006	17.80	6.22	---	18.88	4.84	---	18.59	5.23	---	17.50	6.02	---	18.51	6.44	---	18.49	2.36	---
3/28/2006	NM	NM	---	NM	NM	---	16.88	6.94	---	17.12	6.40	---	NM	NM	---	18.06	2.79	---
6/19/2006	16.99	7.03	---	17.58	6.14	---	17.85	5.97	---	16.76	6.76	---	17.60	7.35	---	16.70	4.15	---
9/6/2006	16.25	7.77	---	17.08	6.64	---	17.26	6.56	---	16.09	7.43	---	16.73	8.22	---	17.14	3.71	---
12/6/2006	16.07	7.95	---	17.10	6.62	---	17.00	6.82	---	15.76	7.76	---	16.33	8.62	---	16.88	3.97	---
9/3/2008	15.42	8.60	---	18.27	5.45	---	17.39	6.43	---	NM	NM	---	18.10	6.85	---	19.00	1.85	---
10/6/2009	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---
10/22/2009	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---
10/23/2009	NM	NM	---	NM	NM	---	17.32	6.50	---	NM	NM	---	17.40	7.55	---	17.15	3.70	---
10/26/2009	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---	NM	NM	---
11/29/2011	15.33	8.69	---	18.78	4.94	---	16.20	7.62	---	14.98	8.54	---	15.82	9.13	---	16.06	4.79	---
10/31/2012	17.48	6.54	---	21.00	2.72	---	18.22	5.60	---	17.13	6.39	---	18.31	6.64	---	18.04	2.81	---
12/17/2013	18.62	5.40	---	22.14	1.58	---	19.38	4.44	---	18.32	5.20	---	19.85	5.10	---	19.17	1.68	---
2/16/2015	16.96	7.06	---	20.57	3.15	---	17.84	5.98	---	16.83	6.69	---	NM	NM	---	17.70	3.15	---
1/18/2016	16.96	7.06	---	20.63	3.09	---	17.77	6.05	---	16.72	6.80	---	17.80	7.15	---	17.60	3.25	---
1/10/2017	17.00	7.02	---	20.58	3.14	---	NM	NM	---	16.71	6.81	---	17.85	7.10	---	17.59	3.26	---
1/15/2018	18.23	5.79	---	21.71	2.01	---	21.81	2.01	---	18.01	5.51	---	19.25	5.70	---	18.87	1.98	---
1/15/2019	17.73	6.29	---	21.29	2.43	---	20.98	2.84	---	17.06	6.46	---	18.50	6.45	---	18.23	2.62	---
1/7/2020	17.71	6.31	---	21.26	2.46	---	NM	NM	---	NM	NM	---	18.56	6.39	---	18.33	2.52	---

Notes:
1. --- indicates none found
2. NM indicates Not measured
3. Blank cell indicates no data
4. in indicates inches
5. TOC indicates top of casing
6. ELEV indicates elevation (feet relative to North American Vertical Datum 1988)
7. DTW indicates depth to water
8. FP indicates free product
9. Data prior to 2009 provided by E&E

Florida Department of Environmental Protection

TABLE 2: STATIC GROUNDWATER ELEVATION

Facility Name: Silvex
Facility ID ERIC_3825
All measurements in feet unless otherwise noted

No Data = Blank
FP = Free Product

WELL NO.	MW017			MW018			MW019			MW020			MW021			MW022		
DIAMETER (in)	2			2			2			2			2			2		
WELL DEPTH	40.0			60.0			60.0			30.0			60.0			30.0		
SCREEN INTERVAL	25-40			50-60			50-60			20-30			50-60			20-30		
TOC ELEVATION	19.012			21.370			20.110			20.350			14.770			15.510		
DATE	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**	**ELEV**	**DTW**	**FP**
5/9/2000	15.77	3.24	---															
8/10/2000	16.45	2.56	---															
5/1/2001	16.36	2.65	---															
8/10/2001	16.64	2.37	---															
2/5/2002	17.13	1.88	---															
8/15/2002	19.01	0.00	---															
2/11/2003	19.01	0.00	---															
6/15/2003	17.33	1.68	---															
8/7/2003	17.33	1.68	---															
11/14/2003	16.88	2.13	---															
2/18/2004	17.01	2.00	---															
5/19/2004	16.19	2.82	---															
8/6/2004	NM	NM	---															
12/1/2004	16.14	2.87	---															
2/22/2005	16.71	2.30	---															
5/24/2005	16.70	2.31	---															
7/25/2005	16.08	2.93	---															
8/29/2005	16.79	2.22	---															
1/19/2006	17.41	1.60	---															
3/28/2006	NM	NM	---															
6/19/2006	16.35	2.66	---															
9/6/2006	15.94	3.07	---															
12/6/2006	15.53	3.48	---															
9/3/2008	17.81	1.20	---															
10/6/2009	NM	NM	---															
10/22/2009	NM	NM	---															
10/23/2009	NM	NM	---															
10/26/2009	NM	NM	---															
11/29/2011	14.49	4.52	---	15.10	6.27	---	14.91	5.20	---	14.98	5.37	---	12.39	2.38	---	12.40	3.11	---
10/31/2012	16.49	2.52	---	17.87	3.50	---	17.31	2.80	---	17.42	2.93	---	14.11	0.66	---	14.06	1.45	---
12/17/2013	NM	NM	---	18.86	2.51	---	18.81	1.30	---	19.00	1.35	---	14.77	0.00	---	15.03	0.48	---
2/16/2015	NM	NM	---	17.60	3.77	---	16.87	3.24	---	17.02	3.33	---	13.91	0.86	---	13.88	1.63	---
1/18/2016	NM	NM	---	17.42	3.95	---	16.83	3.28	---	16.95	3.40	---	13.58	1.19	---	13.69	1.82	---
1/10/2017	NM	NM	---	17.52	3.85	---	16.83	3.28	---	16.97	3.38	---	13.66	1.11	---	13.79	1.72	---
1/15/2018	NM	NM	---	18.99	2.38	---	18.20	1.91	---	18.34	2.01	---	14.77	0.00	---	15.01	0.50	---
1/15/2019	NM	NM	---	18.33	3.04	---	17.55	2.56	---	17.68	2.67	---	14.52	0.25	---	14.59	0.92	---
1/7/2020	NM	NM	---	18.28	3.09	---	17.56	2.55	---	17.67	2.68	---	14.44	0.33	---	14.56	0.95	---

Notes:
1. --- indicates none found
2. NM indicates Not measured
3. Blank cell indicates no data
4. in indicates inches
5. TOC indicates top of casing
6. ELEV indicates elevation (feet relative to North American Vertical Datum 1988)
7. DTW indicates depth to water
8. FP indicates free product
9. Data prior to 2009 provided by E&E

Florida Department of Environmental Protection

TABLE 2: STATIC GROUNDWATER ELEVATION

Facility Name: Silvex
Facility ID ERIC_3825
All measurements in feet unless otherwise noted

No Data = Blank
FP = Free Product
All measurements in feet unless otherwise noted

WELL NO.	MW023			MW024			MW025			MW026			RW007			RW008		
DIAMETER (in)	2			2			2			2			4			4		
WELL DEPTH	15.0			60.0			60.0			60.0			22.0			14.0		
SCREEN INTERVAL	5-15			50-60			50-60			50-60			2-22			4-14		
TOC ELEVATION	13.850			18.330			19.810			16.460			24.377			24.128		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
5/9/2000													17.13	7.25	---	17.69	6.44	---
8/10/2000													18.99	5.39	---	18.71	5.42	---
5/1/2001													17.91	6.47	---	18.31	5.82	---
8/10/2001													18.19	6.19	---	18.55	5.58	---
2/5/2002													18.86	5.52	---	19.16	4.97	---
8/15/2002													21.35	3.03	---	21.53	2.60	---
2/11/2003													19.98	4.40	---	20.53	3.60	---
6/15/2003													18.91	5.47	---	19.28	4.85	---
8/7/2003													18.91	5.47	---	19.28	4.85	---
11/14/2003													18.18	6.20	---	18.55	5.58	---
2/18/2004													18.34	6.04	---	18.72	5.41	---
5/19/2004													17.40	6.98	---	17.75	6.38	---
8/6/2004													19.96	4.42	---	20.42	3.71	---
12/1/2004													18.52	5.86	---	18.77	5.36	---
2/22/2005													17.67	6.71	---	17.97	6.16	---
5/24/2005													17.80	6.58	---	18.07	6.06	---
7/25/2005													16.35	8.03	---	17.01	7.12	---
8/29/2005													18.29	6.09	---	18.51	5.62	---
1/19/2006													17.73	6.65	---	17.90	6.23	---
3/28/2006													17.35	7.03	---	17.57	6.56	---
6/19/2006													17.54	6.84	---	17.70	6.43	---
9/6/2006													15.89	8.49	---	15.90	8.23	---
12/6/2006													15.55	8.83	---	15.48	8.65	---
9/3/2008													18.68	5.70	---	18.33	5.80	---
10/6/2009													NM	NM	---	NM	NM	---
10/22/2009													16.66	7.72	---	16.83	7.30	---
10/23/2009													NM	NM	---	NM	NM	---
10/26/2009													NM	NM	---	NM	NM	---
11/29/2011	11.21	2.64	---	13.38	4.95	---							15.09	9.29	---	15.17	8.96	---
10/31/2012	12.52	1.33	---	14.98	3.35	---	16.68	3.13	---				17.54	6.84	---	17.73	6.40	---
12/17/2013	13.40	0.45	---	16.62	1.71	---	NM	NM	---				19.25	5.13	---	19.12	5.01	---
2/16/2015	12.45	1.40	---	14.83	3.50	---	16.36	3.45	---	13.52	2.94	---	17.13	7.25	---	17.30	6.83	---
1/18/2016	12.03	1.82	---	14.88	3.45	---	16.32	3.49	---	13.54	2.92	---	17.12	7.26	---	17.32	6.81	---
1/10/2017	12.16	1.69	---	14.84	3.49	---	16.46	3.35	---	13.40	3.06	---	17.14	7.24	---	17.34	6.79	---
1/15/2018	13.85	0.00	---	16.04	2.29	---	NM	NM	---	14.74	1.72	---	18.46	5.92	---	18.72	5.41	---
1/15/2019	12.97	0.88	---	15.57	2.76	---	NM	NM	---	14.26	2.20	---	17.84	6.54	---	18.09	6.04	---
1/7/2020	13.06	0.79	---	15.56	2.77	---	17.17	2.64	---	NM	NM	---	17.79	6.59	---	18.03	6.10	---

Notes:
1. --- indicates none found
2. NM indicates Not measured
3. Blank cell indicates no data
4. in indicates inches
5. TOC indicates top of casing
6. ELEV indicates elevation (feet relative to North American Vertical Datum 1988)
7. DTW indicates depth to water
8. FP indicates free product
9. Data prior to 2009 provided by E&E

Florida Department of Environmental Protection

TABLE 3: GROUNDWATER MONITORING FIELD PARAMETERS SUMMARY

Facility Name: Silvex
Facility ID ERIC_3825

Sample Location	Screen Interval (ft bls)	Date	pH (SUs)	Temp. (ºC)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)
MW001	46 - 56	9/3/2008	6.63	23.70	328	4.38 J	0.70	NM
		10/22/2009	6.43	23.44	318	0.37	2.69	-123.2
		11/22/2011	6.44	22.49	997	0.93 J	1.23	4.3
		10/31/2012	6.20	23.39	471	0.47	0.64	-184.6
		2/18/2015	5.26	19.62	288	1.43	7.56	97.5
		1/10/2017	6.86	22.84	329	0.44	1.00	-18.4
MW002	26 - 36	9/3/2008	4.94	23.40	93	6.39 J	3.58	NM
		10/22/2009	4.77	23.76	110	0.34	2.39	-90.9
		11/21/2011	4.38	23.25	557	1.54 J	2.15	47.3
		10/31/2012	4.51	23.62	234	0.95	4.24	-117.0
		2/18/2015	3.30	18.15	149	0.30	12.9	168.2
MW003	8 - 18	9/5/2006	3.73	23.60	129	0.35	2.75	-79.4
		9/3/2008	4.70	24.15	150	4.6 J	1.55	NM
		10/22/2009	4.51	24.67	160	0.27	3.22	-61.1
		11/21/2011	4.72	23.32	152	0.96 J	13.3	111.7
		10/31/2012	4.67	24.08	128	0.76	8.28	-175.8
		12/7/2006	4.24	23.00	109	0.25	0.88	-155.1
		9/3/2008	4.82	24.84	72	3.64 J	0.56	NM
		10/23/2009	4.62	23.91	71	0.34	0.27	-31.2
		2/18/2015	4.58	18.67	96	0.56	0.93	106.9
RW005(MW005)	25 - 35	12/7/2006	5.42	22.51	161	0.29	3.51	-169.8
		9/3/2008	6.31	23.51	145	1.51 J	3.58	NM
		10/6/2009	5.97	24.00	177	0.51	0.41	-49.0
		11/29/2011	5.75	21.55	289	0.87 J	51.9	-151.6
		11/1/2012	6.46	23.33	252	0.52	4.03	-238.4
		9/6/2006	5.08	23.70	249	0.90	0.83	-203.1
		12/7/2006	5.14	23.02	254	0.20	2.52	-178.9
		9/3/2008	5.46	24.43	148	10.74 J	2.09	NM
		10/6/2009	4.83	23.90	131	1.13	2.21	-94.0
		2/16/2015	5.44	21.67	211	1.04	15.2	-70.0
MW006	25 - 35	9/3/2008	4.95	23.94	91	6.52 J	2.20	NM
		10/23/2009	5.04	23.63	92	0.32	1.67	-147.1
		11/28/2011	6.02	20.29	81	NM	37.2	-131.3
MW007	32 - 42	9/5/2006	4.90	22.10	281	0.44	1.96	-131.2
		9/3/2008	5.44	23.05	234	3.39	2.25	NM
		10/23/2009	5.31	23.63	261	0.31	0.43	75.7
		11/28/2011	5.85	20.53	221	NM	0.78	-124.4
		11/2/2012	5.71	23.84	310	0.69	2.30	-20.5
		12/17/2013	5.63	22.45	258	0.41	1.52	-50.7
		2/18/2015	6.69	18.88	203	1.47	2.56	2.45
		1/19/2016	3.65*	21.56	298	0.33	4.68	27.8
		1/21/2016	5.97	21.90	215	4.51	4.50	NM
		1/11/2017	6.60*	22.26	234	2.61	3.08	101.4
		1/16/2018	5.82	20.82	265	0.74	5.31	6.9
		1/16/2019	6.49	20.67	304*	4.46	6.19	112.2
MW008	40 - 50	9/4/2008	3.92	24.46	653	11.7 J	1.78	NM
		11/22/2011	6.54	24.60	1541	NM	2.14	-267
		11/1/2012	6.53	25.29	1082	0.57	1.74	-269.6
		2/16/2015	5.71	21.07	734	1.49	2.01	57.6
MW009	36 - 46	9/3/2008	4.20	24.67	695	14.6 J	0.82	NM
		11/22/2011	5.65	25.72	1437	2.06 J	4.83	-118
		11/1/2012	6.17	24.61	1023	0.95	4.23	-235.9
		2/18/2015	4.68	24.61	1023	4.42	4.23	-235.9
		1/16/2018	6.19	20.28	763	0.61	1.35	-193.2

Florida Department of Environmental Protection

TABLE 3: GROUNDWATER MONITORING FIELD PARAMETERS SUMMARY

Facility Name: Silvex
Facility ID ERIC_3825

Sample Location	Screen Interval (ft bls)	Date	pH (SUs)	Temp. (ºC)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)
MW011	28 - 38	9/5/2006	4.36	23.40	100	0.39	1.45	-140.6
		9/4/2008	4.61	23.93	76	4.7 J	3.69	NM
		10/23/2009	4.60	24.14	68	0.44	0.00	+49.9
		11/22/2011	4.94	23.69	150	NM	0.56	-32.1
		11/1/2012	4.34	24.17	460	1.13	0.79	-140
		2/16/2015	3.78	20.70	376	0.52	9.49	123.3
MW012	28 - 38	9/5/2006	4.99	22.10	173	0.33	3.27	-120.2
		11/28/2011	5.10	22.92	243	NM	9.39	-71
		11/2/2012	5.80	22.47	318	0.77	5.49	-114.1
		12/17/2013	5.42	21.64	297	0.38	1.49	-31.9
		2/16/2015	5.04	21.72	202	0.58	10.6	-112.9
		1/19/2016	1.74*	19.68	280	0.44	7.04	35.7
		1/21/2016	5.51	21.40	195	4.40	3.95	NM
		1/11/2017	6.10	21.90	321	0.60	4.65	-5.7
		1/16/2018	5.83	21.55	286	0.62	39.2	50.4
		1/16/2019	5.74	21.34	275*	2.80	4.01	155.7
MW013	26 - 36	9/3/2008	5.00	24.22	222	6.55 J	1.77	NM
		10/23/2009	4.82	24.34	199	0.34	0.00	+47.2
		11/22/2011	5.06	24.02	362	0.66 J	1.84	29.5
MW014	50 - 60	9/6/2006	5.23	22.90	307	0.72	0.90	-133.1
		12/7/2006	5.29	22.81	284	0.33	1.12	+1.3
		9/3/2008	5.34	24.21	273	0.31 J	7.72	NM
MW015I	50 - 60	9/6/2006	6.01	23.40	310	0.77	4.77	-77.2
		12/7/2006	6.15	23.48	278	1.77	5.16	+43.0
		9/4/2008	6.87	25.71	147	2.2 J	8.96	NM
		10/23/2009	6.30	24.65	216	0.26	1.46	+19.4
		11/29/2011	6.18	23.22	377	0.89 J	2.56	-128.1
		11/2/2012	6.27	23.41	396	0.78	20.4	-41.9
		12/17/2013	6.07	23.07	637	0.63	5.44	-16.1
		2/16/2015	5.38	20.74	203	0.85	1.64	83.8
		1/19/2016	3.74*	22.28	644	0.24	18.0	-13.0
		1/21/2016	7.13	22.80	234	5.67	4.50	NM
		1/11/2017	6.70	22.56	330	0.51	2.80	40.6
		1/16/2018	6.60	22.91	404	0.22	3.38	75.1
		1/16/2019	6.01	21.70	422*	0.46	1.86	99.6
		1/8/2020	5.46	23.06	257*	1.33*	5.63	-125.0
MW017	25 - 40	9/4/2008	5.38	21.44	54	0.87 J	3.28	NM
		11/29/2011	5.70	20.57	141	1.27 J	3.62	-104.3
MW018	50 - 60	11/21/2011	7.29	23.62	817	1.4 J	3.03	-116.1
		11/1/2012	6.67	22.33	476	1.68 J	6.78	-201.5
		2/18/2015	6.68	21.16	352	0.26	40.2	-124
		1/8/2020	6.81	23.05	387*	0.89*	10.2	-190.0
MW019	50 - 60	11/21/2011	7.33	23.51	950	1.38 J	13.4	-66
		11/1/2012	6.28	23.11	388	1.38	8.20	-165.7
		12/17/2013	6.38	22.04	358	0.38	16.2	-67.4
		2/18/2015	5.88	20.97	291	1.26	17.2	-89.0
		1/19/2016	4.18*	21.45	440	0.24	6.15	-36.2
		1/21/2016	5.89	22.90	229	1.02	1.61	NM
		1/10/2017	5.95	22.38	281	0.40	6.06	31.4
		1/16/2018	5.83	21.98	331	0.18	28.0	32.2
		1/16/2019	6.26	21.74	302*	0.98	3.79	161.5
		1/8/2020	6.03	22.59	238	0.64	13.5	214.6
MW020	20 - 30	11/21/2011	7.13	23.77	943	0.80 J	15.8	-50.3
		11/1/2012	5.39	24.12	317	1.48	8.79	-50.0
		2/18/2015	4.73	21.27	178	0.24	1.21	-20.0

Florida Department of Environmental Protection

TABLE 3: GROUNDWATER MONITORING FIELD PARAMETERS SUMMARY

Facility Name: Silvex
Facility ID ERIC_3825

Sample Location	Screen Interval (ft bls)	Date	pH (SUs)	Temp. (ºC)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)
MW021	50 - 60	11/21/2011	7.30	22.26	1398	NM	15	-149.6
		11/2/2012	6.44	22.33	602	0.71	25.1	-99.0
		12/17/2013	6.36	22.18	639	0.43	2.50	-60.7
		2/16/2015	4.99	19.89	595	0.16	0.75	18.0
		1/19/2016	3.94*	20.78	997	0.59	0.67	-39.8
		1/21/2016	6.35	21.60	660	4.20	6.66	NM
		1/11/2017	6.19	21.82	757	0.50	0.54	10.5
		1/16/2018	6.02	21.85	942	0.20	5.58	-28.7
		1/22/2019	6.45	21.57	746	0.95	0.79	32.7
		1/8/2020	5.86	21.41	522	1.52	0.89	198.8
MW022	20 - 30	11/22/2011	6.01	22.73	1072	NM	6.02	-49
		1/1/2012	4.67	22.80	660	1.01	12.4	-110.8
		2/16/2015	3.40	19.96	568	0.38	4.28	148.9
MW023	5 - 15	11/23/2011	5.28	22.01	1036	NM	9.57	99.9
		1/1/2012	4.31	22.27	693	1.20	7.40	-96.8
		2/16/2015	4.01	20.16	626	1.08	8.92	-89.2
MW024	50 - 60	11/22/2011	5.85	22.12	456	NM	9.25	9.7
		11/2/2012	5.51	22.32	217	1.02	4.78	-88.6
		12/17/2013	5.53	21.57	332	0.25	19.58	-68
		2/18/2015	4.76	20.48	183	2.57	17.6	-77.6
		1/18/2016	4.85	21.17	241	0.40	1.32	-65.6
		1/21/2016	4.91	21.60	101	0.34	0.85	NM
		1/11/2017	2.31*	21.71	112	0.55	5.31	125.9
		1/16/2018	5.07	21.58	168	0.15	24.4	53.1
		1/22/2019	4.92	21.62	164	1.05	0.37	80.6
		1/8/2020	5.07	21.27	204	0.80	3.32	222.6
MW025	50 - 60	11/2/2012	6.05	22.21	276	1.01	41.2 J	-97.3
		9/6/2006	5.31	22.40	212	0.60	0.93	-164.0
		12/7/2006	5.95	22.41	173	1.33	1.59	+202.4
		10/26/2009	5.71	23.52	272	0.49	0.51	-17.0
		9/6/2006	5.63	23.00	206	0.72	9.22	-140.1
		12/7/2006	5.59	23.13	90	0.20	28.7	+144.9
		9/4/2008	6.44	25.24	158	0.97 J	9.93	NM
		10/26/2009	5.36	24.63	164	0.35	2.08	+63.1
		9/4/2008	6.37	25.00	156	1.03 J	10.0	NM
		9/4/2008	6.20	24.30	101	1.21 J	7.47	NM
		10/26/2009	5.61	24.08	179	0.38	1.89	-10.9
		9/6/2006	5.66	21.90	255	0.49	5.51	-177.1
		12/7/2006	5.73	20.71	227	0.37	NM	-83.1
		9/4/2008	5.37	22.15	170	1.39 J	4.26	NM
		10/6/2009	5.26	22.48	131	0.31	2.49	-73.6
		10/26/2009	6.25	23.56	161	0.18	19.9	-103.8
		2/18/2015	3.83	19.17	158	1.24	17.8	121.2
		1/11/2017	4.84	21.94	193	0.49	8.23	126.2
		1/16/2019	5.89	20.53	288*	0.55	1.85	80.5
MW026	50 - 60	2/16/2015	6.20	22.23	757	0.88	4.50	-224.1
		1/18/2016	5.92	22.27	855	0.40	3.54	-167.4
		1/11/2017	5.83	22.74	780	0.39	0.89	-108
		1/16/2019	4.99	22.31	881*	1.39	1.18	-104.5
RW007	2 - 22	9/5/2006	4.77	24.00	190	0.35	17.5	-205.5
		12/7/2006	5.11	23.42	214	0.15	14.4	-195.0
		9/3/2008	5.32	25.10	103	5.08 J	16.1	NM
		10/22/2009	5.02	24.73	152	0.39	13.9	-97.7
		11/22/2011	5.29	24.62	317	0.63 J	25.0	-4.9
		10/31/2012	4.78	24.33	369	1.56 J	2.88	-219.7
		12/17/2013	5.20	21.29	177	1.05	7.02	-17.8
		2/18/2015	4.43	19.59	213	2.24	15.3	57.0

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TABLE 3: GROUNDWATER MONITORING FIELD PARAMETERS SUMMARY

Facility Name: Silvex
Facility ID ERIC_3825

Sample Location	Screen Interval (ft bls)	Date	pH (SUs)	Temp. (ºC)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)
RW008	4 -14	9/5/2006	5.23	24.40	229	0.45	4.09	-209.6
		12/7/2006	4.55	22.53	214	0.21	7.81	-156.2
		9/3/2008	5.38	24.87	210	5.33 J	5.02	NM
		10/22/2009	5.63	25.27	161	0.36	7.75	-454.7
		11/21/2011	4.53	24.02	584	0.92 J	2.11	47.7
		11/1/2012	4.78	23.73	173	1.71 J	9.32	-20.4
		2/18/2015	5.27	16.18	84	0.81	15.4	52.7

Notes:

1. ORP indicates oxidation reduction potential.
2. SUs indicates standard units.
3. ºC indicates degrees Celsius.
4. µS/cm indicates microSiemens per centimeter.
5. mg/L indicates milligrams per liter.
6. NTU indicates Nephlometric Turbidity Units.
7. mV indicates milliVolts.
8. NM indicates not measured.
9. J indicates parameter did not reach stabilization criteria prior to sampling.
10. Dissolved oxygen sensor malfunctioned during the 11/21/11-11/29/11 sampling event; NM entered.
11. * indicates result is considered estimated due to sampling equipment failing calibration check.
12. ft bls indicates feet below land surface.

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TABLE 4A: MONITORING WELL GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Silvex
Facility ID ERIC_3825

Sample Location	Screen Interval (ft bls)	Date	PCE	TCE	cis-1,2 DCE	trans-1,2 DCE	Vinyl Chloride	1,1- DCE	1,1,1-TCA	1,1-DCA	1,4-Dioxane	Benzene	Bromodi-chloromethane	Toluene	Total Xylenes
		NADC	**300**	**300**	**700**	**1000**	**100**	**70**	**2000**	**700**	**320**	**100**	**60**	**400**	**200**
		GCTL	**3**	**3**	**70**	**100**	**1**	**7**	**200**	**70**	**3.2**	**1**	**0.6**	**40**	**20**
MW001	46 - 56	9/3/2008	0.28 U	0.069 U	0.49 I	0.19 U	0.16	0.11	0.18 U	0.10 U	NA	0.18 U	0.18	0.19 U	0.36
		10/22/2009	NA	NA	NA	NA	NA	NA	NA	NA	**4.1**	NA	NA	NA	NA
		11/22/2011	0.20 U	0.26 U	0.25 I	0.25 U	0.29 U	0.24 U	0.29 U J3	0.18 U	**6.4**	0.28 U	0.26 U	0.25 I	0.68 U
		10/31/2012	0.19 U	0.45 I	0.65 I	0.26 U	0.22 U	0.23	0.16 U	0.2 U	NA	0.13 U	0.17	0.14 U	0.44
		2/18/2015	0.36 U	0.29 U	0.64 I	0.20 U	0.24 U	0.18	0.22 U	0.35 I	NA	0.21 U	0.25	0.23 U	0.53
		1/10/2017	0.36 U	0.29 U	2.7	0.20 U	0.20 U	0.18	0.22 U	1.3	NA	0.16 U	0.25	0.23 U	0.53
MW002	26 - 36	9/3/2008	0.28 U	0.22 I	0.25 I	0.19 U	0.16	0.11	0.18 U	0.10 U	NA	0.18 U	0.18	0.19 U	0.36
		10/22/2009	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA	NA	NA	NA
		11/21/2011	0.20 U	0.26 U	0.22 U	0.25 U	0.29 U	0.24 U	0.29 U J3	0.18 U	0.20 U	0.28 U	0.26 U	0.24 U	0.68 U
		10/31/2012	0.19 U	0.16 U	0.21 U	0.26 U	0.22 U	0.23	0.16 U	0.2 U	NA	0.13 U	0.17	0.14 U	0.44
		2/18/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	NA	0.21 U	0.25	0.23 U	0.53
MW003	8 - 18	2/17/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL
		8/5/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL
		2/2/2005	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		7/27/2005	<0.18	<0.11	<0.18	<0.25	<0.28	<0.36	NA	NA	NA	0.53 U	<0.21	<0.10	<0.13
		3/29/2006	0.18 U	0.11 U	0.18 U	0.25 U	0.29	0.36	NA	NA	NA	0.1 U	0.21	0.12 I	0.13
		9/5/2006	0.24 U	0.13 U	0.18 U	0.25 U	0.058	0.11	NA	NA	NA	0.058 U	0.10	0.063 U	0.11
		9/3/2008	0.28 U	0.069 U	0.17 U	0.19 U	0.16	0.11	0.18 U	0.10 U	NA	0.18 U	0.18	0.19 U	0.36
		10/22/2009	NA	NA	NA	NA	NA	NA	NA	NA	<0.39	NA	NA	NA	NA
		11/21/2011	0.20 U	0.26 U	0.22 U	0.25 U	0.29 U	0.24 U	0.29 U J3	0.18 U	0.20 U	0.28 U	0.26 U	0.24 U	0.68 U
		10/31/2012	0.19 U	0.16 U	0.21 U	0.26 U	0.22 U	0.23	0.16 U	0.2 U	NA	0.13 U	0.17	0.15 I	0.44
		2/18/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	NA	0.21 U	0.25	0.23 U	0.53
RW005 (MW005)	25 - 35	8/10/2000	BDL	**10.5**	24.1	5.1	BDL	NA	NA	NA	NA	NA	BDL	**81.4**	**36.5**
		8/10/2001	BDL	**5.65**	13.6	3.86	BDL	NA	NA	NA	NA	NA	BDL	2.9	12.4
		8/12/2002	BDL	**10**	30.7	BDL	BDL	NA	BDL	18	NA	NA	BDL	**1090**	**101**
		8/6/2003	BDL	**18.9**	15.5	0.414	BDL	NA	NA	NA	NA	NA	BDL	**229**	**38.3**
		2/17/2004	BDL	**6.02**	11.4	1.05	BDL	NA	BDL	1.87	NA	NA	BDL	**44.8**	8.72
		5/18/2004	BDL	1.63	7.35	0.492	BDL	NA	BDL	0.916	NA	NA	BDL	1.39	BDL
		8/4/2004	BDL	0.972	7.22	BDL	BDL	NA	BDL	1.16	NA	NA	BDL	2.13	BDL
		12/1/2004	BDL	**5**	1.31	BDL	BDL	NA	NA	NA	NA	NA	BDL	0.219	BDL
		2/21/2005	BDL	1	5.4	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL
		5/23/2005	<0.18	1	6.8	<0.25	<0.29	NA	NA	NA	NA	NA	<0.21	0.16 I	<0.13
		7/27/2005	<0.18	0.86 I	5.6	<0.25	<0.29	NA	NA	NA	NA	NA	<0.21	0.33 U	<0.13
		1/19/2006	0.18 U	0.12 I	0.18 U	0.25 U	0.29	NA	NA	NA	NA	NA	0.21	0.39 U	0.25
		3/29/2006	0.18 U	0.38 I	4	0.25 U	0.29	NA	NA	NA	NA	NA	0.21	0.10 U	0.13
		6/18/2006	0.18 U	0.5 I	4.4	0.25 U	0.29	NA	NA	NA	NA	NA	0.21	0.10 U	0.13
		12/7/2006	0.24 U	**4.1**	6.4	0.37 I	0.058	NA	NA	NA	NA	NA	0.10	0.063 U	0.11
		3/14/2007		**4.9** I	5.4 I	2.5 U	0.58	NA	NA	NA	NA	NA	NA	**300**	**21**
		9/4/2008	0.28 U	1.3	0.71 I	0.19 U	0.16	NA	0.18 U	0.1 U	NA	NA	0.18	0.19 U	0.36
		10/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA	NA	NA	NA
		11/29/2011	0.2 U	**3.8**	8	0.25 U	0.29 U	NA	0.29 U	1.5	2.9	NA	0.26 U	0.24 U	0.68
		11/1/2012	0.19 U	0.16 I	8.1	0.26 U	0.46 I	NA	0.16 U	7.7	NA	NA	0.17	0.87 I	9.4
		2/16/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	NA	0.22 U	1.5	NA	NA	0.25	0.23 U	0.53
RW005 DUP	25 - 35	5/23/2005	<0.18	0.95 I	7	<0.25	<0.29	NA	NA	NA	NA	NA	<0.21	<0.10	<0.13
		6/18/2005	0.18 U	0.51 I	4.7	0.25 U	0.29	NA	NA	NA	NA	NA	0.21	0.1 U	0.13

Florida Department of Environmental Protection

TABLE 4A: MONITORING WELL GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Silvex
Facility ID ERIC_3825

Sample Location	Screen Interval (ft bls)	Date	PCE	TCE	cis-1,2 DCE	trans-1,2 DCE	Vinyl Chloride	1,1- DCE	1,1,1-TCA	1,1-DCA	1,4-Dioxane	Benzene	Bromodi-chlorometha ne	Toluene	Total Xylenes
		NADC	**300**	**300**	**700**	**1000**	**100**	**70**	**2000**	**700**	**320**	**100**	**60**	**400**	**200**
		GCTL	**3**	**3**	**70**	**100**	**1**	**7**	**200**	**70**	**3.2**	**1**	**0.6**	**40**	**20**
MW006	25 - 35	8/10/2000	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		1/4/1900	BDL	**4.42**	BDL	BDL	BDL	NR	NA	NA	NA	2.01	BDL	BDL 2	BDL
		8/10/2001	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		8/12/2002	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		8/6/2003	BDL	BDL	1.06	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		2/17/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.25	NA	BDL	BDL	BDL	BDL
		3/30/2006	0.18 U	0.11 U	0.33 I	0.25 U	0.29	0.36	NA	NA	NA	0.1 U	0.21	0.1 U	0.13
		9/3/2008	0.28 U	0.069 U	0.22 I	0.19 U	0.16	0.11	0.18 U	0.10 U	NA	0.18 U	0.18	0.19 U	0.36
		10/23/2009	NA	NA	NA	NA	NA	NA	NA	NA	0.80	NA	NA	NA	NA
		11/28/2011	0.20 U	0.26 U	0.22 U	0.25 U	0.29 U	0.24 U	0.29 U	0.18 U	2.5	0.28 U	0.26 U	0.24 U	0.68 U
MW006 DUP	25- 35	2/17/2004	BDL	BDL	0.514	BDL	BDL	BDL	NA	NA	NA	BDL	BDL	BDL	BDL
MW007	32 - 42	8/10/2000	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		8/10/2001	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		9/5/2006	0.24 U	0.53 I	3.3	0.25 U	0.058	0.11	NA	NA	NA	0.058 U	0.1	0.063 U	0.11
		9/3/2008	0.28 U	0.62 I	4.3	0.19 U	0.16	0.11	0.18 U	0.77 I	NA	0.18 U	0.18	0.19 U	0.36
		10/23/2009	NA	NA	NA	NA	NA	NA	NA	NA	2.1	NA	NA	NA	NA
		11/28/2011	0.20 U	0.26 U	3.6	0.25 U	0.29 U	0.24 U	0.29 U	1.9	**6.5**	0.28 U	0.26 U	0.24 U	0.68 U
		11/2/2012	0.19 U	0.34 I	3.5	0.26 U	0.22 U	0.23	0.16 U	1.6	**5.2 Y**	0.13 U	0.17	0.16 I	0.44
		12/17/2013	0.36 U	0.36 U	4.4	0.4 U	0.37 U	0.29	0.29 U	1.9	**11**	0.21 U	0.26	0.28 U	0.62
		2/18/2015	0.36 U	0.29 U	1.1	0.20 U	0.24 U	0.18	0.22 U	0.57 I	**4.9**	0.21 U	0.25	0.23 U	0.53
		1/21/2016	0.36 U	0.29 U	0.60 I	0.20 U	0.24 U	0.18	0.22 U	0.23 I	**4.5**	0.21 U	0.25	0.23 U	0.53
		1/11/2017	NA	NA	NA	NA	NA	NA	NA	NA	**4.0**	NA	NA	NA	NA
		1/16/2018	NA	NA	NA	NA	NA	NA	NA	NA	2.5	NA	NA	NA	NA
		1/16/2019	NA	NA	NA	NA	NA	NA	NA	NA	2.4	NA	NA	NA	NA
MW007 DUP	32 - 42	8/10/2000	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		8/10/2001	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
MW008	40 - 50	9/4/2008	0.28 U	0.069 U	0.17 U	0.19 U	0.16	0.11	0.18 U	0.10 U	NA	0.18 U	0.18	0.19 U	0.36
		11/22/2011	0.20 U	0.26 U	0.22 U	0.25 U	0.29 U	0.24 U	0.29 U J3	0.18 U	0.20 U	0.28 U	0.26 U	0.32 I	0.68 U
		11/1/2012	0.19 U	0.16 U	0.21 U	0.26 U	0.22 U	0.23	0.16 U	0.20 U	NA	0.13 U	0.17	0.14 U	0.44
		2/16/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	NA	0.21 U	0.25	0.23 U	0.53
MW009	36 - 46	8/10/2001	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		9/4/2008	0.28 U	0.069 U	0.17 U	0.19 U	0.16	0.11	0.18 U	0.10 U	NA	0.18 U	0.18	0.19 U	0.36
		11/22/2011	0.20 U	0.26 U	0.22 U	0.25 U	0.29 U	0.24 U	0.29 U J3	0.18 U	0.20 U	0.28 U	0.26 U	0.4 I	0.68 U
		11/1/2012	0.19 U	0.16 U	0.21 U	0.26 U	0.22 U	0.23	0.16 U	0.2 U	NA	0.13 U	0.17	0.27 I	0.44
		2/18/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	NA	0.21 U	0.25	0.23 U	0.53
MW011	28 - 38	8/10/2001	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		8/12/2002	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		8/6/2003	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		2/17/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL
		8/4/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL
		2/2/2005	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		7/27/2005	<0.18	<0.11	<0.18	<0.25	<0.29	<0.36	NA	NA	NA	<0.10	<0.21	<0.10	<0.13
		3/30/2006	0.18 U	0.11 U	0.18 U	0.25 U	0.29	0.36	NA	NA	NA	0.1 U	0.21 U J3	0.10 U	0.13
		9/5/2006	0.24 U	0.13 U	0.18 U	0.25 U	0.058	0.11	NA	NA	NA	0.058 U	0.10	0.063 U	0.11
		9/4/2008	0.28 U	0.069 U	0.17 U	0.19 U	0.16	0.11	0.18 U	0.10 U	NA	0.18 U	0.18	0.19 U	0.36
		10/23/2009	NA	NA	NA	NA	NA	NA	NA	NA	<0.39	NA	NA	NA	NA
		11/22/2011	0.20 U	0.26 U	0.22 U	0.25 U	0.29 U	0.24 U	0.29 U J3	0.18 U	0.73 I	0.28 U	0.26 U	0.33 I	0.68 U
		11/1/2012	0.19 U	0.16 U	0.21 U	0.26 U	0.22 U	0.23	0.16 U	0.2 U	NA	0.13 U	0.17	0.14 U	0.44
		2/16/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	NA	0.21 U	0.25	0.23 U	0.53

Florida Department of Environmental Protection

TABLE 4A: MONITORING WELL GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Silvex
Facility ID ERIC_3825

Sample Location	Screen Interval (ft bls)	Date	PCE	TCE	cis-1,2 DCE	trans-1,2 DCE	Vinyl Chloride	1,1- DCE	1,1,1-TCA	1,1-DCA	1,4-Dioxane	Benzene	Bromodi-chloromethane	Toluene	Total Xylenes
		NADC	300	300	700	1000	100	70	2000	700	320	100	60	400	200
		GCTL	3	3	70	100	1	7	200	70	3.2	1	0.6	40	20
MW012	28 - 38	2/17/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL
		8/4/2004	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL
		2/2/2005	BDL	BDL	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		7/27/2005	<0.18	<0.11	<0.18	<0.25	<0.29	<0.36	NA	NA	NA	<0.10	<0.21	<0.10	<0.13
		3/30/2006	0.18 U	0.11 U	0.32 I	0.25 U	0.29	0.36	NA	NA	NA	0.10 U	0.21	0.10 U	0.13
		9/5/2006	0.24 U	0.13 U	0.43	0.25 U	0.058	0.11	NA	NA	NA	0.058 U	0.10	0.063 U	0.11
		11/28/2011	0.20 U	0.28 I	4.0	0.25 U	0.29 U	0.24 U	0.29 U	0.84 I	**10**	0.28 U	0.26 U	0.3 I	0.68 U
		11/2/2012	0.19 U	0.20 I	2.7	0.26 U	0.22 U	0.23	0.16 U	1.3	**6.7**	0.13 U	0.17	0.14 U	0.44
		12/17/2013	0.36 U	0.36 U	3.2	0.4 U	0.37 U	0.29	0.29 U	1.7	**11**	0.21 U	0.26	0.28 U	0.62
		2/16/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.83 I	**4.3**	0.21 U	0.25	0.23 U	0.53
		1/21/2016	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	**4.6**	0.21 U	0.25	0.23 U	0.53
		1/11/2017	NA	NA	NA	NA	NA	NA	NA	NA	**3.8**	NA	NA	NA	NA
		1/16/2018	NA	NA	NA	NA	NA	NA	NA	NA	3.1	NA	NA	NA	NA
		1/16/2019	NA	NA	NA	NA	NA	NA	NA	NA	3.0	NA	NA	NA	NA
MW013	26 - 36	9/3/2008	0.28 U	0.46 I	2.3	0.19 U	0.16	0.2	0.18 U	2.1	NA	0.18 U	0.18	30	1.7
		10/23/2009	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA	NA	NA	NA
		11/22/2011	0.20 U	0.26 U	0.6 I	0.25 U	0.29 U	0.24 U	0.29 U	0.18 U	3.0	0.28 U	0.26 U	0.24 U	0.68 U
MW015I	50 - 60	8/10/2000	BDL	**18.8**	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		8/10/2001	BDL	**21.6**	5	BDL	**3.42**	NR	NA	NA	NA	NR	BDL	BDL	BDL
		8/6/2003	BDL	**10.8**	3.04	BDL	**4.59**	NR	NA	NA	NA	NR	BDL	BDL	BDL
		2/17/2004	BDL	**5.41**	1.2	BDL	**7.25**	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL
		8/5/2004	BDL	**6.53**	2.09	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL
		2/1/2005	BDL	2	1.4	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		5/23/2005	<0.18	**19**	15	<.25	**3.1**	<0.36	NA	NA	NA	<0.10	<0.21	0.48 I	0.23
		7/27/2005	<0.18	**10**	6	<0.25	**2.8**	<0.36	NA	NA	NA	0.55 U	<0.21	1.2 J	0.15
		1/19/2006	0.18 U	2.9	1	0.25 U	0.29	0.36	NA	NA	NA	0.1 U	0.21	0.78 U	0.25
		3/30/2006	0.18 U	3	0.71 I	0.25 U	0.39	0.36	NA	NA	NA	0.1 U	0.21	0.1 U	0.13
		6/18/2006	0.18 U	3.2	0.65 I	0.25 U	0.29	0.36	NA	NA	NA	0.1 U	0.21	0.1 U	0.13
		9/5/2006	0.24 U	**3.7**	0.18 U	0.25 U	0.91	0.11	NA	NA	NA	0.058 U	0.10	0.063 U	0.11
		12/7/2006	0.24 U	2.7	0.42 I	0.25 U	1.2	0.11	NA	NA	NA	0.058 U	0.10	0.063 U	0.11
		9/7/2008	0.28 U	0.069 U	0.17 U	0.19 U	0.16	0.11	0.18 U	0.10 U	NA	0.18 U	0.18	0.19 U	0.36
		10/23/2009	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA	NA
		11/29/2011	0.20 U	**4.9**	0.67 I	0.25 U	0.6 I	0.24 U	0.29 U	0.18 U	**10**	0.28 U	0.26 U	0.24 U	0.68 U
		11/2/2012	0.19 U	**4**	1.5	0.26 U	**3.8**	0.23	0.16 U	0.20 U	**4.3**	0.13 U	0.17	0.14 U	0.44
		12/17/2013	0.36 U	**6.8**	1.6	0.40 U	**6.3**	0.29	0.29 U	0.21 U	**4.7**	0.21 U	0.26	0.28 U	0.62
		2/16/2015	0.36 U	0.39 I	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	0.048 I	0.21 U	0.25	0.23 U	0.53
		1/21/2016	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	**5.0**	0.21 U	0.25	0.23 U	0.53
		1/11/2017	0.36 U	0.29 U	0.24 U	0.20 U	0.20 U	0.18	0.22 U	0.14 U	1.5	0.16 U	0.25	0.23 U	0.53
		1/16/2018	0.36 U	0.29 U	0.24 U	0.20 U	0.20 U	0.18	0.22 U	0.14 U	3.1	0.16 U	0.25	0.23 U	0.53
		1/16/2019	NA	NA	NA	NA	NA	NA	NA	NA	**4.4**	NA	NA	NA	NA
		1/8/2020	NA	NA	NA	NA	NA	NA	NA	NA	**4.7**	NA	NA	NA	NA
MW015I DUP	50 - 60	8/10/2000	BDL	**18.8**	BDL	BDL	BDL	NR	NA	NA	NA	NR	BDL	BDL	BDL
		8/5/2004	BDL	**6.1**	1.94	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL
		3/30/2006	0.18 U	3.2	0.72 I	0.25 U	0.4	0.36	BDL	BDL	NA	0.1 U	0.21	0.1 U	0.13

Florida Department of Environmental Protection

TABLE 4A: MONITORING WELL GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Silvex
Facility ID ERIC_3825

Sample Location	Screen Interval (ft bls)	Date	PCE	TCE	cis-1,2 DCE	trans-1,2 DCE	Vinyl Chloride	1,1- DCE	1,1,1-TCA	1,1-DCA	1,4-Dioxane	Benzene	Bromodi-chloromethane	Toluene	Total Xylenes
		NADC	300	300	700	1000	100	70	2000	700	320	100	60	400	200
		GCTL	3	3	70	100	1	7	200	70	3.2	1	0.6	40	20
MW017	25 - 40	9/4/2008	0.28 U	0.069 U	0.17 U	0.19 U	0.16	0.11	0.18 U	0.10 U	NA	0.18 U	0.18	0.19 U	0.36
		11/29/2011	0.20 U	0.26 U	0.22 U	0.25 U	0.29 U	0.24 U	0.29 U	0.18 U	0.20 U	0.28 U	0.26 U	0.24 U	0.68 U
MW018	50 - 60	11/21/2011	0.20 U	0.26 U	1.2	0.25 U	0.29 U	0.24 U	0.29 U J3	0.18 U	**7**	0.28 U	0.26 U	0.24 U	0.68 U
		11/1/2012	0.19 U	0.25 I	2.9	0.26 U	0.22 U	0.23	0.16 U	0.93 I	NA	0.13 U	0.17	0.14 U	0.44
		2/18/2015	0.36 U	0.29 U	1.4	0.2 U	0.24 U	0.18	0.22 U	0.23 I	NA	0.21 U	0.25	0.23 U	0.53
		1/8/2020	NA	NA	NA	NA	NA	NA	NA	NA	2.6	NA	NA	NA	NA
MW019	50 - 60	11/21/2011	0.20 U	**88**	10	0.78 I	0.29 U	0.24 U	0.29 U J3	0.92 I	**4.3**	0.28 U	**1.2**	0.24 U	0.68 U
		11/1/2012	0.19 U	**110**	23	2.1	0.51 I	0.23	0.16 U	1.7	NA	0.13 U	0.17	0.14 U	0.44
		12/17/2013	0.36 U	**110**	28	7.3	**4**	0.29	0.29 U	2.2	NA	0.21 U	0.26	0.28 U	0.62
		2/18/2015	0.36 U	**75**	27	9.8	**8.8**	0.29	0.22 U	1.8	NA	0.21 U	0.25	0.23 U	0.53
		1/21/2016	0.36 U	**14**	7.9	1.9	0.24 U	0.18	0.22 U	1.7	NA	0.21 U	0.25	0.23 U	0.53
		1/10/2017	0.36 U	**13**	14.0	5.0	0.20 U	0.18	0.22 U	1.7	NA	0.16 U	0.25	0.23 U	0.53
		1/16/2018	0.36 U	**14**	13.0	5.0	0.20 U	0.18	0.22 U	2.1	NA	0.16 U	0.46	0.23 U	0.53
		1/16/2019	0.36 U	**16**	12	4.9	0.20 U	0.23	0.22 U	2.1	NA	0.16 U	0.46	0.23 U	0.53
		1/8/2020	0.36 U	**57**	31	15	**2.0**	0.18	0.22 U	1.3	NA	0.16 U	0.46	0.23 U	0.53
MW019 DUP	50 - 60	2/18/2015	0.36 U	**100**	37	14	**16**	0.35	0.22 U	1.6	NA	0.21 U	0.25	0.23 U	0.53
		1/21/2016	0.36 U	**15**	8.1	2.0	0.24 U	0.18	0.22 U	1.9	NA	0.21 U	0.25	0.23 U	0.53
		1/10/2017	0.36 U	**13**	14.0	4.9	0.20 U	0.18	0.22 U	1.8	NA	0.16 U	0.25	0.23 U	0.53
		1/16/2018	0.36 U	**13**	12.0	4.7	0.20 U	0.18	0.22 U	2.0	NA	0.16 U	0.46	0.23 U	0.53
		1/8/2020	0.36 U	**76**	38	19	**2.9**	0.18	0.22 U	1.3	NA	0.16 U	0.46	0.23 U	0.53
MW020	20 -30	11/21/2011	0.20 U	0.75 I	0.99 I	0.25 U	0.29 U	0.24 U	0.29 U J3	0.28 U	3.2	0.28 U	**1.2**	0.24 U	0.68 U
		11/1/2012	0.19 U	2.4	2.4	0.26 U	0.22 U	0.23	0.16 U	0.2 U	NA	0.13 U	0.17	0.14 I	0.44
		2/18/2015	0.36 U	2.9	0.51 I	0.20 U	0.24 U	0.18	0.22 U	0.14 U	NA	0.21 U	0.25	0.23 U	0.53
MW021	50 - 60	11/23/2011	0.20 U	0.26 U	0.48 I	0.25 U	0.43 I	0.24 U	0.29 U	0.18 U	0.22 I	0.28 U	**0.89 I**	0.24 U	0.68 U
		11/2/2012	0.19 U	0.16 U	3.1	0.26 U	**9.5**	0.23	0.16 U	0.20 U	0.93 Y	0.13 U	0.17	0.14 U	0.44
		12/17/2013	0.36 U	0.36 U	15	0.4 U	**27**	0.29	0.29 U	0.21 U	1.9	0.21 U	0.26	0.28 U	0.62
		2/18/2015	0.36 U	0.29 U	17	0.20 U	**16**	0.18	0.22 U	0.14 U	1.3	0.21 U	0.25	0.23 U	0.53
		1/21/2016	0.36 U	0.29 U	6.6	0.20 U	**2.3**	0.18	0.22 U	0.14 U	0.73	0.21 U	0.25	0.23 U	0.53
		1/11/2017	0.36 U	0.29 U	12.0	0.20 U	**5.6**	0.18	0.22 U	0.14 U	0.70	0.16 U	0.25	0.23 U	0.53
		1/16/2018	0.36 U	0.29 U	7.5	0.20 U	**2.5**	0.18	0.22 U	0.14 U	NA	0.16 U	0.46	0.23 U	0.53
		1/16/2019	0.36 U	0.84 I	14	0.20 U	**5.0**	0.18	0.22 U	0.14 U	NA	0.16 U	0.46	0.23 U	0.53
		1/22/2019	NA	NA	NA	NA	NA	NA	NA	NA	0.25	NA	NA	NA	NA
		1/8/2020	0.36 U	0.96 I	12	0.20 U	**3.1**	0.18	0.22 U	0.14 U	NA	0.16 U	0.46	0.23 U	0.53
MW021 DUP	50 - 60	11/23/2011	0.20 U	0.24 U	0.22 U	0.25 U	0.29 U	0.18	0.29 U	0.18 U	NA	0.28 U	**0.77**	0.29 I	0.68
		2/16/2015	0.36 U	0.29 U	16	0.20 U	**14**	0.18	0.22 U	0.14 U	NA	0.21 U	0.25	0.23 U	0.53
MW022	20 - 30	11/22/2011	0.20 U	0.6 I	1	0.25 U	**2.4**	0.24 U	0.29 U	0.18 U	0.20 U	0.28 U	0.26 U	0.24 U	0.68 U
		11/1/2012	0.19 U	0.9 I	1	0.26 U	0.87 I	0.23	0.16 U	0.2 U	NA	0.13 U	0.17	0.14 U	0.44
		2/16/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	NA	0.21 U	0.25	0.23 U	0.53
MW023	5 - 15	11/23/2011	0.20 U	0.26 U	6.3	0.25 U	0.45 I	0.24 U	0.29 U	0.18 U	1.9	0.28 U	0.61 I	0.24 U	0.68 U
		11/1/2012	0.19 U	0.16 U	3	0.26 U	0.22 U	0.23	0.16 U	0.2 U	NA	0.13 U	0.17	0.14 U	0.44
		2/16/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	NA	0.21 U	0.25	0.23 U	0.53
MW024	50 - 60	11/22/2011	0.20 U	0.26 U	0.22 U	0.25 U	0.29 U	0.24 U	0.29 U	0.18 U	**24**	0.28 U	0.26 U	0.24 U	0.68 U
		11/2/2012	0.19 U	0.16 U	0.21 U	0.26 U	0.22 U	0.23	0.16 U	0.20 U	**19**	0.13 U	0.17	0.14 U	0.44
		12/17/2013	0.36 U	0.36 U	0.28 U	0.4 U	0.37 U	0.29	0.29 U	0.21 U	**43**	0.21 U	0.26	0.28 U	0.62
		2/18/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	**12**	0.21 U	0.25	0.23 U	0.53
		1/21/2016	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	**6.6**	0.21 U	0.25	0.23 U	0.53
		1/11/2017	NA	NA	NA	NA	NA	NA	NA	NA	**6.0**	NA	NA	NA	NA
		1/16/2018	NA	NA	NA	NA	NA	NA	NA	NA	**11**	NA	NA	NA	NA
		1/22/2019	NA	NA	NA	NA	NA	NA	NA	NA	**12**	NA	NA	NA	NA
		1/8/2020	NA	NA	NA	NA	NA	NA	NA	NA	**5.5**	NA	NA	NA	NA

Florida Department of Environmental Protection

TABLE 4A: MONITORING WELL GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Silvex
Facility ID ERIC_3825

Sample Location	Screen Interval (ft bls)	Date	PCE	TCE	cis-1,2 DCE	trans-1,2 DCE	Vinyl Chloride	1,1- DCE	1,1,1-TCA	1,1-DCA	1,4-Dioxane	Benzene	Bromodi-chloromethane	Toluene	Total Xylenes
		NADC	**300**	**300**	**700**	**1000**	**100**	**70**	**2000**	**700**	**320**	**100**	**60**	**400**	**200**
		GCTL	**3**	**3**	**70**	**100**	**1**	**7**	**200**	**70**	**3.2**	**1**	**0.6**	**40**	**20**
MW025	50 - 60	11/2/2012	0.19 U	0.16 U	0.21 U	0.26 U	0.22 U	0.23	0.16 U	0.20 U	0.020 U	0.13 U	0.17	0.14 U	0.44
		2/18/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.18	0.22 U	0.14 U	0.020 U	0.21 U	0.25	0.23 U	0.53
		1/11/2017	NA	NA	NA	NA	NA	NA	NA	NA	0.020 U	NA	NA	NA	NA
		1/16/2019	NA	NA	NA	NA	NA	NA	NA	NA	0.020 U	NA	NA	NA	NA
MW026	50 - 60	10/7/2014	NA	NA	NA	NA	NA	NA	NA	NA	0.020 U	NA	NA	NA	NA
		2/16/2015	NA	NA	NA	NA	NA	NA	NA	NA	0.020 U	NA	NA	NA	NA
		1/18/2016	NA	NA	NA	NA	NA	NA	NA	NA	0.020 U	NA	NA	NA	NA
		1/11/2017	NA	NA	NA	NA	NA	NA	NA	NA	0.020 U	NA	NA	NA	NA
		1/16/2019	NA	NA	NA	NA	NA	NA	NA	NA	0.020 U	NA	NA	NA	NA

Notes:

1. All data prior to 2009 was provided by E&E.
2. GCTL indicates Groundwater Cleanup Target Levels, Florida Administrative Code, FAC 62-777.
3. NADC indicates Natural Attenuation Default Concentration , Florida Administrative Code, FAC 62-777.
4. Results and screening criteria are presented in micrograms per liter.
5. Results in bold type exceed corresponding GCTL.
6. U indicates the compound was analyzed for but not detected above the laboratory method detection limit (MDL).
7. I indicates reported value is between the laboratory MDL and the laboratory practical quantitation limit.
8. J indicates an estimated value.
9. J3 indicates an estimated value. The reported value fails to meet the established quality control criteria for either precision or accuracy.
10. Y indicates the laboratory sample was from an unpreserved or improperly preserved sample.
11. < indicates the analyte concentration is less than corresponding laboratory MDL.
12. BDL indicates the analyte concentration is below the laboratory MDL.
13. DUP indicates a duplicate sample.
14. NA indicates constituent not analyzed for or data not available.
15. NR indicates constituent concentration not recorded.
16. ft bls indicates feet below land surface.
17. PCE indicates tetrachloroethylene.
18. TCE indicates trichloroethylene.
19. cis-1,2 DCE indicates cis-1,2 dichloroethylene.
20. trans-1,2 DCE indicates trans-1,2 dichloroethylene.
21. 1,1-DCE indicates 1,1 dichloroethylene.
22. 1,1,1-TCA indicates 1,1,1 trichloroethane.
23. 1,1-DCA indicates 1,1 dichloroethane.

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TABLE 4B: RECOVERY WELL GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Silvex
Facility ID ERIC_3825

Below Detection Limits = BDL
Not Analyzed = NA
Analytical Results = µg/L

Sample Location	Screen Interval (ft bls)	Date	PCE	TCE	cis-1,2 DCE	trans-1,2 DCE	Vinyl Chloride	1,1,1-TCA	1,1-DCA	1,4-Dioxane	Bromodi-chloromethane	Toluene	Total, Xylenes	Total VOC
		NADC	300	300	700	1000	100	2000	700	320	60	400	200	--
		GCTL	3	3	70	100	1	200	70	3.2	0.6	40	20	--
RW007	2 - 22	8/10/2000	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	20.6	BDL	20.6
		8/10/2001	BDL	1.81	**127**	4.05	BDL	NA	NA	NA	BDL	36.3	18	201.81
		8/12/2002	BDL	2.86	26.6	1.6	BDL	NA	NA	NA	BDL	**85.7**	8.45	173.48
		8/6/2003	BDL	BDL	**109**	BDL	BDL	NA	NA	NA	BDL	**6280**	**309**	7247.9
		2/17/2004	BDL	**20.6**	66.3	5.47	BDL	BDL	9.36	NA	BDL	**666**	**77.4**	888.69
		5/18/2004	BDL	**8.23**	61.2	3.63	BDL	BDL	9.06	NA	BDL	**514**	**58.7**	614.276
		6/8/2004	BDL	**5.3**	44.4	2.43	BDL	1.03	8.62	NA	BDL	**371**	**57.5**	457.17
		7/12/2004	BDL	2.72	23.5	1.14	BDL	BDL	4.62	NA	BDL	**315**	**29.7**	362.124
		8/4/2004	BDL	2.95	27.5	1.35	BDL	BDL	5.6	NA	BDL	**327**	**37.8**	386.18
		10/11/2004	BDL	**7.03**	**72.3**	4.94	BDL	BDL	11.6	NA	BDL	**600**	**63.9**	932.06
		12/1/2004	BDL	BDL	38.6	0.908	BDL	NA	NA	NA	BDL	**259**	**28.4**	326.9
		12/29/2004	BDL	1.28	23.2	0.86	BDL	NA	NA	NA	BDL	**192**	**22.8**	241.18
		1/24/2005	BDL	BDL	4.9	BDL	BDL	NA	NA	NA	BDL	28	4.3	37.2
		2/21/2005	BDL	1.6	11	BDL	BDL	NA	NA	NA	BDL	**150**	14.6	177.2
		3/28/2005	BDL	1.4	13	BDL	BDL	NA	NA	NA	BDL	**160**	**22.4**	196.8
		4/25/2005	**3.3**	1.1	4	BDL	BDL	NA	NA	NA	BDL	30	5	43.4
		5/23/2005	<0.18	0.14 I	1.7	<0.25	<0.29	NA	NA	NA	<0.21	14	2.52 I	18.36
		6/27/2005	<0.18	0.12 I	1.9	<0.25	<0.29	NA	0.7 I	NA	<0.21	11	2.39 I	19.82
		7/25/2005	<0.18	0.17 I	2.3	<0.25	<0.29	NA	NA	NA	<0.21	13 J	2.56 I	18.03
		8/29/2005	<0.18	0.17 I	14	0.6 I	<0.29	NA	NA	NA	<0.21	29	13.3	77.02
		1/19/2006	0.18 U	0.17 I	12	0.25 U	0.29	NA	NA	NA	0.21 U	0.35 U	1.8 J	14.32
		3/29/2006	0.9 U	1.8 I	56	4 I	1.5	NA	NA	NA	1.1 U	2.9 I	3.6 I	68.3
		6/18/2006	0.18 U	0.16 I	22	1	0.29	NA	NA	NA	0.21 U	4.7	8	35.86
		9/5/2006	1.2 U	1.7 I	**110**	1.7 I	0.29	NA	NA	NA	0.50 U	8.4	12	133.8
		12/7/2006	1.2 U	2.2 I	65	5.8	0.29	NA	NA	NA	0.50 U	0.32 U	2 I	75
		4/13/2007	NA	0.65 I	66	5.4	0.29	NA	NA	NA	NA	9.9	3.5	NA
		9/3/2008	0.28 U	0.86 I	67	7.8	0.91	0.18 U	7.5	NA	0.18 U	0.67 I	4.7	81.94
		10/22/2009	NA	NA	NA	NA	NA	NA	NA	1.5	NA	NA	NA	NA
		11/22/2011	0.2 U	2.6	53	4.8	**5.3**	0.73 I J3	34	0.52 I	0.26 U	**1500**	**180**	NA
		10/31/2012	0.19 U	0.63 I	48	2	**2.6**	0.16 U	24	NA	0.17 U	8.6	**67**	NA
		12/17/2013	0.36 U	0.36 U	0.66 I	0.4 U	0.37 U	0.29 U	0.55 I	NA	0.26 U	0.28 U	1.2 I	2.41
		2/18/2015	0.36 U	0.29 U	1.3	0.20 U	0.24 U	0.22 U	2.0	NA	0.25 U	0.23 U	0.53 U	3.3

Florida Department of Environmental Protection

TABLE 4B: RECOVERY WELL GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Silvex
Facility ID ERIC_3825

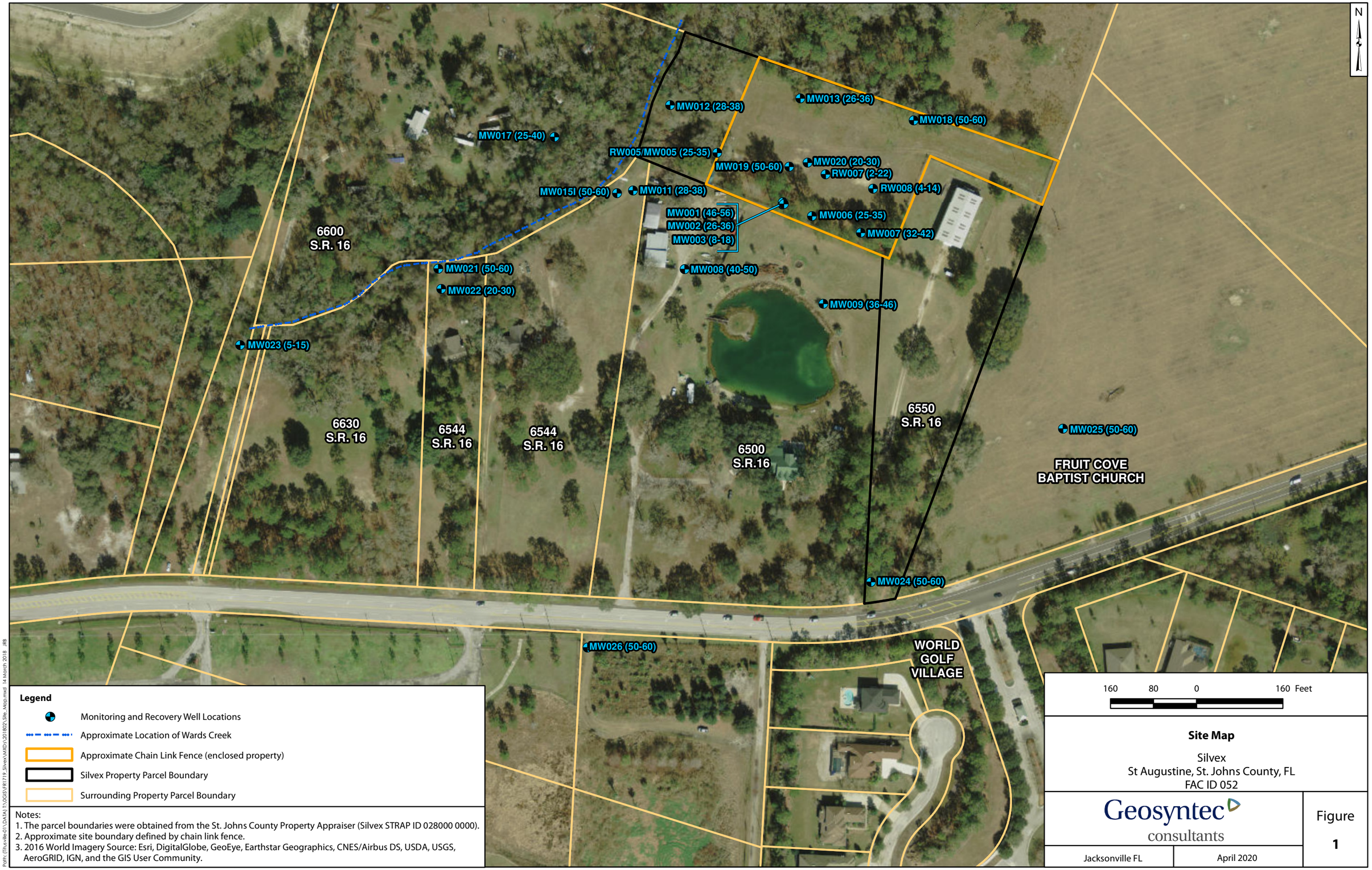
Below Detection Limits = BDL
Not Analyzed = NA
Analytical Results = µg/L

Sample Location	Screen Interval (ft bls)	Date	PCE	TCE	cis-1,2 DCE	trans-1,2 DCE	Vinyl Chloride	1,1,1-TCA	1,1-DCA	1,4-Dioxane	Bromodi-chloromethane	Toluene	Total, Xylenes	Total VOC
		NADC	300	300	700	1000	100	2000	700	320	60	400	200	--
		GCTL	3	3	70	100	1	200	70	3.2	0.6	40	20	--
RW008	4 - 14	8/10/2000	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	**3440**	**347**	3787
		8/10/2001	BDL	BDL	**383**	BDL	BDL	NA	NA	NA	BDL	**7820**	**662**	9243.6
		8/12/2002	BDL	BDL	27.7	BDL	BDL	NA	NA	NA	BDL	**644**	**177**	1136.27
		8/6/2003	BDL	**45.9**	65.2	3.3	BDL	NA	NA	NA	BDL	**1460**	**102**	1894.8
		2/17/2004	BDL	**49**	40.1	5.33	0.837	BDL	5.6	NA	BDL	**557**	**66.6**	755.267
		5/18/2004	BDL	**78.7**	48.3	4.49	**7.28**	BDL	7.24	NA	BDL	**572**	**90.7**	776.989
		6/8/2004	BDL	**71.9**	40.6	5.1	**2.77**	0.952	7.09	NA	BDL	**261**	**62.4**	419.88
		7/12/2004	BDL	**41.8**	34	2.51	0.908	0.56	5.71	NA	BDL	**777**	**60.9**	901.73
		8/4/2004	BDL	**40.8**	36.7	2.68	BDL	BDL	5.87	NA	BDL	**482**	**63.8**	608.97
		10/11/2004	BDL	**36.3**	41.3	2.47	**2.76**	BDL	8.37	NA	BDL	**650**	**85.8**	986.77
		12/1/2004	BDL	**57.3**	20.9	1.9	**2.51**	NA	NA	NA	BDL	**1100**	**136**	1318.61
		12/29/2004	BDL	**39.9**	36.1	2.16	**4.56**	NA	NA	NA	BDL	**944**	**116**	1144.36
		1/24/2005	BDL	**26**	33	2.1	**4.6**	NA	NA	NA	BDL	**730**	**85**	880.7
		2/21/2005	BDL	**27**	27	2.2	**6.2**	NA	NA	NA	BDL	**920**	**99**	1081.4
		3/28/2005	BDL	**14**	16	1.6	**2.6**	NA	NA	NA	BDL	**440**	**24.3**	498.5
		4/25/2005	1.5 I	**22**	25	1.6 I	**4.1**	NA	NA	NA	BDL	**510**	**44**	608.2
		5/23/2005	<0.18	**54**	12	3.3	<0.29	NA	NA	NA	<0.21	7.6	2.05 I	78.95
		6/27/2005	<0.18	**57**	9.6	2.8	<0.29	NA	2.5	NA	<0.21	2.3	0.88 I	72.58
		7/25/2005	<0.18	**21**	13	0.97 I	**2.8**	NA	NA	NA	<0.21	**370** J	**49**	456.77
		8/29/2005	<0.18	**16**	8.1	0.6 I	**1.7**	NA	NA	NA	<0.21	**460**	**70**	601.74
		1/19/2006	0.18 U	0.11 U	7.2	0.25 U	**2.3**	NA	NA	NA	0.21 U	1.1 U	12 J	22.6
		3/29/2006	0.18 U	0.3 I	14	0.25 U	**6.1**	NA	NA	NA	0.21 U	**580**	**160**	760.4
		6/18/2006	0.18 U	0.6 I	6.6	0.25 U	0.29	NA	NA	NA	0.21 U	0.66 I	15	22.86
		9/5/2006	0.24 U	0.65 I	4.4	0.25 U	0.81	NA	NA	NA	0.10 U	0.063 U	0.79 I	6.65
		12/7/2006	0.24 U	0.64 I	3.1	0.25 U	0.4	NA	NA	NA	0.10 U	7.7 V	1.5 IV	13.34
		9/3/2008	0.28 U	0.15 I	4	0.19 U	0.42	0.18 U	5.8	NA	0.18 U	0.19 U	0.36 U	4.57
		10/22/2009	NA	NA	NA	NA	NA	NA	NA	0.63	NA	NA	NA	NA
		11/21/2011	0.2 U	1.3	3.2	0.25 U	0.29 U	0.29 UJ3	8.5	0.23 I	0.26 U	0.30 I	0.68 U	NA
		11/1/2012	0.19 U	0.16 U	0.21 U	0.26 U	0.22 U	0.16 U	0.2 U	NA	0.17 U	0.17 I	0.44 U	NA
		2/18/2015	0.36 U	0.29 U	0.24 U	0.20 U	0.24 U	0.22 U	0.14 U	NA	0.25 U	0.23 U	0.53 U	NA

Notes:

1. All data prior to 2009 was provided by E&E.
2. GCTL indicates Groundwater Cleanup Target Levels, Florida Administrative Code, FAC 62-777.
3. NADC indicates Natural Attenuation Default Concentration, Florida Administrative Code, FAC 62-777.
4. Results and screening criteria are presented in micrograms per liter.
5. Results in bold type exceed corresponding GCTL.
6. U indicates the compound was analyzed for but not detected above the laboratory method detection limit (MDL).
7. I indicates reported value is between the laboratory MDL and the laboratory practical quantitation limit.
8. J indicates an estimated value.
9. J3 indicates an estimated value. The reported value fails to meet the established quality control criteria for either precision or accuracy.
10. V indicates analyte was detected in both the sample and the associated method blank.
11. < indicates the analyte concentration is less than corresponding laboratory MDL.
12. BDL indicates the analyte concentration is below the laboratory MDL.
13. NA indicates constituent not analyzed for or data not available.
14. ft bls indicates feet below land surface.
15. PCE indicates tetrachloroethylene.
16. TCE indicates trichloroethylene.
17. cis-1,2 DCE indicates cis-1,2 dichloroethylene.
18. trans-1,2 DCE indicates trans-1,2 dichloroethylene.
19. 1,1-DCE indicates 1,1 dichloroethylene.
20. 1,1,1-TCA indicates 1,1,1 trichloroethane.
21. 1,1-DCA indicates 1,1 dichloroethane.

FIGURES



Legend

- Monitoring and Recovery Well Locations
- Approximate Location of Wards Creek
- Approximate Chain Link Fence (enclosed property)
- Silvex Property Parcel Boundary
- Surrounding Property Parcel Boundary

Notes:
1. The parcel boundaries were obtained from the St. Johns County Property Appraiser (Silvex STRAP ID 028000 0000).
2. Approximate site boundary defined by chain link fence.
3. 2016 World Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Path: (\\tus-ville-01\DATA\1\GIS\VER7\19_Silvex\MXD\s\20180214\Site_Map.mxd 14 March 2018 JRB

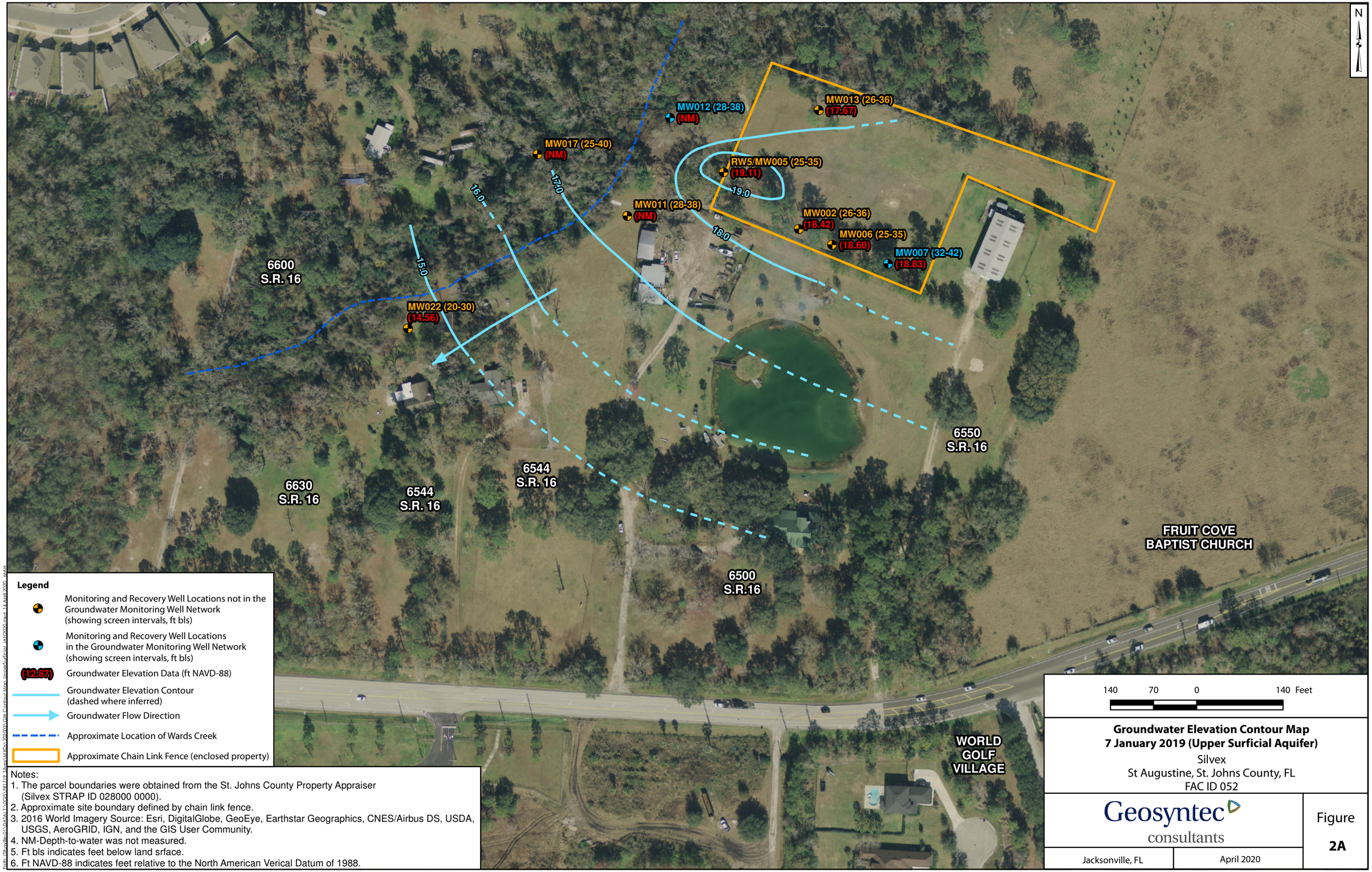
Site Map

Silvex
St Augustine, St. Johns County, FL
FAC ID 052

Geosyntec consultants

Jacksonville FL | April 2020

Figure 1



Legend

- Monitoring and Recovery Well Locations not in the Groundwater Monitoring Well Network (showing screen intervals, ft bls)
- Monitoring and Recovery Well Locations in the Groundwater Monitoring Well Network (showing screen intervals, ft bls)
- (12.87) Groundwater Elevation Data (ft NAVD-88)
- Groundwater Elevation Contour (dashed where inferred)
- Groundwater Flow Direction
- Approximate Location of Wards Creek
- Approximate Chain Link Fence (enclosed property)

Notes:
1. The parcel boundaries were obtained from the St. Johns County Property Appraiser (Silvex STRAP ID 028000 0000).
2. Approximate site boundary defined by chain link fence.
3. 2016 World Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.
4. NM-Depth-to-water was not measured.
5. Ft bls indicates feet below land srface.
6. Ft NAVD-88 indicates feet relative to the North American Verical Datum of 1988.

Path: I:\Jville-01\DATA\1-VGIS\EB7219 Silvex\MXD\s\20203\s.GW Contour Map_UpperSurficial JAN2020.mxd 14 April 2020 MAH

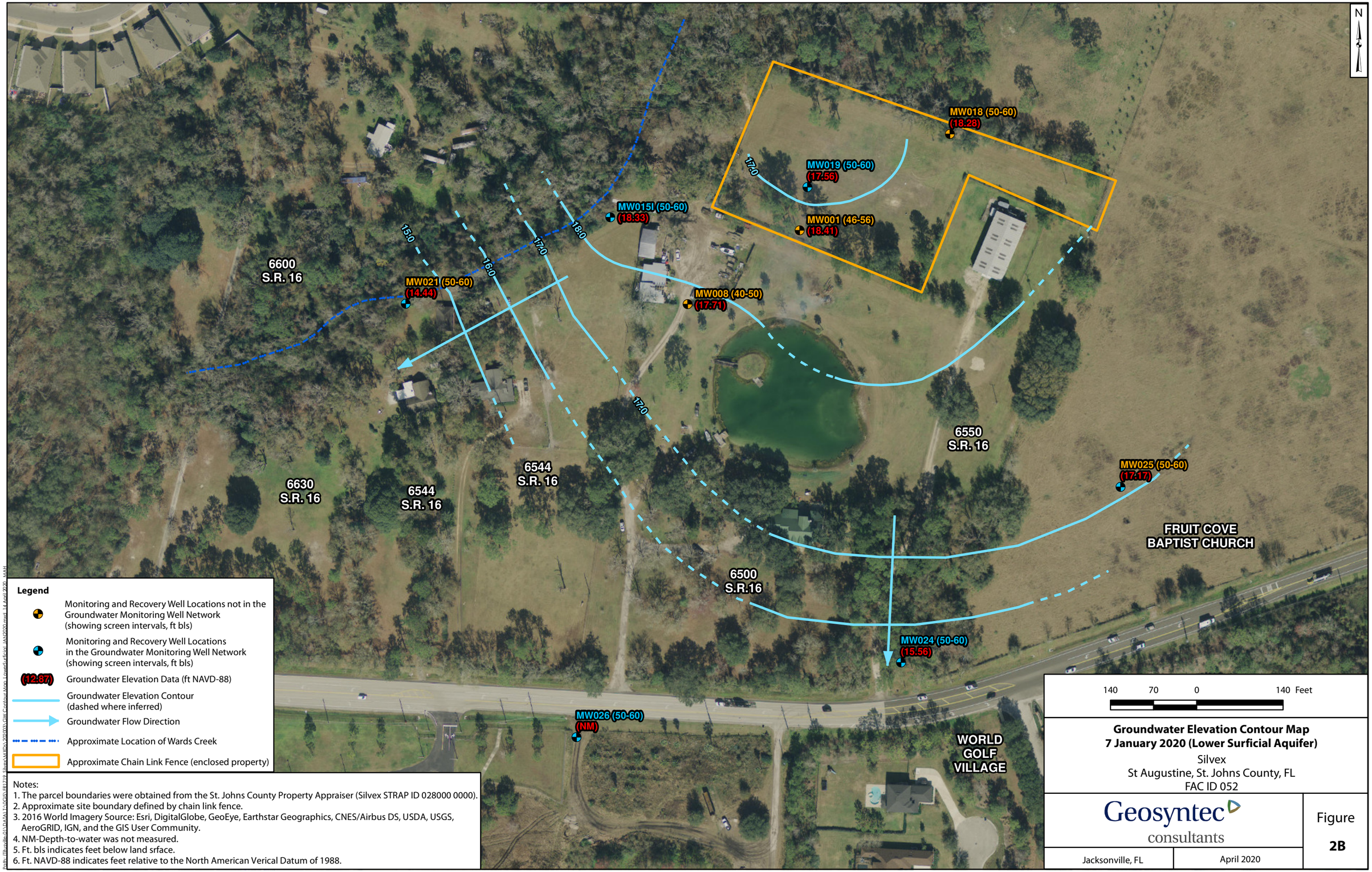
140 70 0 140 Feet

Groundwater Elevation Contour Map
7 January 2019 (Upper Surficial Aquifer)
Silvex
St Augustine, St. Johns County, FL
FAC ID 052

Geosyntec consultants

Jacksonville, FL | April 2020

Figure **2A**



Notes:
1. The parcel boundaries were obtained from the St. Johns County Property Appraiser (Silvex STRAP ID 028000 0000).
2. Approximate site boundary defined by chain link fence.
3. 2016 World Imagery Source: Esri, DigitalBorbe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.
4. NM-Depth-to-water was not measured.
5. Ft. bls indicates feet below land srface.
6. Ft. NAVD-88 indicates feet relative to the North American Verical Datum of 1988.

Groundwater Elevation Contour Map
7 January 2020 (Lower Surficial Aquifer)
Silvex
St Augustine, St. Johns County, FL
FAC ID 052

Geosyntec consultants

Jacksonville, FL | April 2020

Figure **2B**

Path: I:\Jusville-01\DATA\ 1\VGIS\ FB1719 .Silvex\MXDs\ 220\03\ GW Contour Maps\ LowerSurficial_JAN2020.mxd 14 April 2020 MAH

N

MW012 (28-38)				
Date	1/21/2016	1/11/2017	1/16/2018	1/16/2019
TCE	0.29 U	NA	NA	NA
VC	0.24 U	NA	NA	NA
1,4-dioxane	**4.6**	**3.8**	3.1	3.0

MW019 (50-60)					
Date	1/21/2016	1/10/2017	1/16/2018	1/16/2019	1/8/2020
TCE	**14**	**13**	**14**	**16**	**57**
VC	0.24 U	0.20 U	0.20 U	0.20 U	**2.0**
1,4-dioxane	NA	NA	NA	NA	NA

MW015I (50-60)					
Date	1/21/2016	1/11/2017	1/16/2018	1/16/2019	1/8/2020
TCE	0.29 U	0.29 U	NA	NA	NA
VC	0.24 U	0.20 U	NA	NA	NA
1,4-dioxane	**5.0**	1.5	3.1	**4.4**	**4.7**

MW018 (50-60)	
Date	1/8/2020
TCE	NA
VC	NA
1,4-dioxane	2.6

MW021 (50-60)						
Date	1/21/2016	1/11/2017	1/16/2018	1/16/2019	1/22/2019	1/8/2020
TCE	0.29 U	0.29 U	0.29 U	0.84 I	NA	0.961
VC	**2.3**	**5.6**	**2.5**	**5.0**	NA	**3.1**
1,4-dioxane	0.7	0.70	NA	0.25	0.25	NA

MW007 (32-42)				
Date	1/21/2016	1/11/2017	1/16/2018	1/16/2019
TCE	0.29 U	NA	NA	NA
VC	0.24 U	NA	NA	NA
1,4-dioxane	**4.5**	**4.0**	2.5	2.4

MW001 (46-56)	
Date	1/10/2017
TCE	0.29 U
VC	0.2 U
1,4-dioxane	NA

MW025 (50-60)		
Date	1/11/2017	1/16/2019
TCE	NA	NA
VC	NA	NA
1,4-dioxane	0.020 U	0.20 U

MW026 (50-60)			
Date	1/18/2016	1/11/2017	1/16/2019
TCE	NA	NA	NA
VC	NA	NA	NA
1,4-dioxane	0.020 U	0.020 U	0.20 U

MW024 (50-60)					
Date	1/21/2016	1/11/2017	1/16/2018	1/22/2019	1/8/2020
TCE	0.29 U	NA	NA	NA	NA
VC	0.24 U	NA	NA	NA	NA
1,4-dioxane	**6.6**	**6.0**	**11**	**12**	**5.5**

MW012 (28-38)
MW019 (50-60)
MW018 (50-60)
MW013 (26-36)
MW017 (25-40)
RW005/MW005 (25-35)
MW015I (50-60)
MW020 (20-30)
RW007 (2-22)
RW008 (4-14)
MW011 (28-38)
MW003 (8-18)
MW002 (26-36)
MW006 (25-35)
MW021 (50-60)
MW022 (20-30)
MW008 (40-50)
MW007 (32-42)
MW001 (46-56)
MW009 (36-46)
MW023 (5-15)
MW025 (50-60)
MW024 (50-60)
MW026 (50-60)

6600 S.R. 16
6500 S.R.16
6630 S.R. 16
6544 S.R. 16
6544 S.R. 16
6550 S.R. 16

FRUIT COVE BAPTIST CHURCH

Legend

- Monitoring Well Locations not in the Groundwater Monitoring Well Network (showing screen intervals, ft bls)
- Monitoring and Recovery Well Locations in the Groundwater Monitoring Well Network (showing screen intervals, ft bls)
- Estimated extent of 1,4-Dioxane contamination exceeding GCTLs
- Estimated extent of TCE contamination exceeding GCTLs
- Estimated extent of Vinyl Chloride contamination exceeding GCTLs (dashed where inferred)
- Appoximate Location of Wards creek
- Approximate Chain Link Fence (enclosed property)
- Silvex Property Parcel Boundary
- Surrounding Property Parcel Boundary

Parameter	GCTL (µg/L)
Trichloroethene (TCE)	3
Vinyl Chloride (VC)	1
1,4 Dioxane	3.2

Notes:
1. The parcel boundaries were obtained from the St. Johns County Property Appraiser (Silvex STRAP ID 028000 0000).
2. Approximate site boundary defined by chain link fence.
3. 2016 World Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.
4. Results presented in bold indicate an exceedance of the Groundwater Cleanup Target Level (GCTL), pursuant to Chapter 62-777, FAC.
5. NA represents Not Analyzed.
6. U indicates the compound was analyzed for but not detected above the laboratory method detection limit (MDL).
7. I indicates reaported value is between the MDL and the laboratory practical quantitation limit.
8. Ft bls indicates feet below land srface.

200 100 0 200 Feet

Groundwater Analytical Summary
January 2016 to January 2020

Silvex
St Augustine, St. Johns County, FL
FAC ID 052

Geosyntec consultants

Jacksonville FL | April 2020

Figure **3**

Path: \\Tlhsville-01\DATA\ \\Tlhsville-01\Data\GIS\SYR7119_Silvex\MXDs\2020\03\GW_Results_JAN2020.mxd 06 April 2020 CRS

N

MW012 (28-38)				
Date	1/21/2016	1/11/2017	1/16/2018	1/16/2019
TCE	0.29 U	NA	NA	NA
VC	0.24 U	NA	NA	NA
1,4-dioxane	**4.6**	**3.8**	3.1	3.0

MW019 (50-60)					
Date	1/21/2016	1/10/2017	1/16/2018	1/16/2019	1/8/2020
TCE	**14**	**13**	**14**	**16**	**57**
VC	0.24 U	0.20 U	0.20 U	0.20 U	**2.0**
1,4-dioxane	NA	NA	NA	NA	NA

MW015I (50-60)					
Date	1/21/2016	1/11/2017	1/16/2018	1/16/2019	1/8/2020
TCE	0.29 U	0.29 U	NA	NA	NA
VC	0.24 U	0.20 U	NA	NA	NA
1,4-dioxane	**5.0**	1.5	3.1	**4.4**	**4.7**

MW018 (50-60)	
Date	1/8/2020
TCE	NA
VC	NA
1,4-dioxane	2.6

MW021 (50-60)						
Date	1/21/2016	1/11/2017	1/16/2018	1/16/2019	1/22/2019	1/8/2020
TCE	0.29 U	0.29 U	0.29 U	0.84 I	NA	0.961
VC	**2.3**	**5.6**	**2.5**	**5.0**	NA	**3.1**
1,4-dioxane	0.7	0.70	NA	0.25	0.25	NA

MW007 (32-42)				
Date	1/21/2016	1/11/2017	1/16/2018	1/16/2019
TCE	0.29 U	NA	NA	NA
VC	0.24 U	NA	NA	NA
1,4-dioxane	**4.5**	**4.0**	2.5	2.4

MW001 (46-56)	
Date	1/10/2017
TCE	0.29 U
VC	0.2 U
1,4-dioxane	NA

MW025 (50-60)		
Date	1/11/2017	1/16/2019
TCE	NA	NA
VC	NA	NA
1,4-dioxane	0.020 U	0.20 U

MW026 (50-60)			
Date	1/18/2016	1/11/2017	1/16/2019
TCE	NA	NA	NA
VC	NA	NA	NA
1,4-dioxane	0.020 U	0.020 U	0.20 U

MW024 (50-60)					
Date	1/21/2016	1/11/2017	1/16/2018	1/22/2019	1/8/2020
TCE	0.29 U	NA	NA	NA	NA
VC	0.24 U	NA	NA	NA	NA
1,4-dioxane	**6.6**	**6.0**	**11**	**12**	**5.5**

MW012 (28-38)
MW019 (50-60)
MW018 (50-60)
MW013 (26-36)
MW017 (25-40)
RW005/MW005 (25-35)
MW015I (50-60)
MW020 (20-30)
RW007 (2-22)
RW008 (4-14)
MW011 (28-38)
MW003 (8-18)
MW002 (26-36)
MW006 (25-35)
MW007 (32-42)
MW021 (50-60)
MW022 (20-30)
MW008 (40-50)
MW009 (36-46)
MW001 (46-56)
MW023 (5-15)
MW025 (50-60)
MW024 (50-60)
MW026 (50-60)

6600 S.R. 16
6500 S.R.16
6630 S.R. 16
6544 S.R. 16
6544
6550 S.R. 16

FRUIT COVE BAPTIST CHURCH

Legend

- Proposed Well Location (Lower Surficial Aquifer)
- Monitoring Well Locations not in the Groundwater Monitoring Well Network (showing screen intervals, ft bls)
- Monitoring and Recovery Well Locations in the Groundwater Monitoring Well Network (showing screen intervals, ft bls)
- Estimated extent of 1,4-Dioxane contamination exceeding GCTLs
- Estimated extent of TCE contamination exceeding GCTLs
- Estimated extent of Vinyl Chloride contamination exceeding GCTLs (dashed where inferred)
- Appoximate Location of Wards creek
- Approximate Chain Link Fence (enclosed property)
- Silvex Property Parcel Boundary
- Surrounding Property Parcel Boundary

Parameter	GCTL (µg/L)
Trichloroethene (TCE)	3
Vinyl Chloride (VC)	1
1,4 Dioxane	3.2

Notes:
1. The parcel boundaries were obtained from the St. Johns County Property Appraiser (Silvex STRAP ID 028000 0000).
2. Approximate site boundary defined by chain link fence.
3. 2016 World Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.
4. Results presented in bold indicate an exceedance of the Groundwater Cleanup Target Level (GCTL), pursuant to Chapter 62-777, FAC.
5. NA represents Not Analyzed.
6. U indicates the compound was analyzed for but not detected above the laboratory method detection limit (MDL).
7. I indicates reaported value is between the MDL and the laboratory practical quantitation limit.
8. Ft bls indicates feet below land srface.

200 100 0 200 Feet

Proposed Monitoring Wells (Lower Surficial Aquifer)

Silvex
St Augustine, St. Johns County, FL
FAC ID 052

Geosyntec consultants

Jacksonville FL | April 2020

Figure 4

Path: \\Tlhsville-01\DATA\ \\Tlhsville-01\Data\GIS\SYR7179_Silvex\MXDs\20200331 GW_Results_JAN2020.mxd 06 April 2020 CRS

APPENDIX A

GROUNDWATER SAMPLING FIELD FORMS

Silvex Site

FDEP Facility ID: ERIC_3825

6550 State Road 16

St. Augustine, Florida

Groundwater Sampling Field Package

February 2020

WATER LEVEL MEASUREMENTS

WATER LEVEL MEASUREMENTS

ite Name: Silvex — Sampling Personnel: AR / AC
Location: St Augustine — Field Conditions: sunny / 50°F
Date: 1/7/20

Well ID	Time	TOC Elevation	Depth to Water (ft)	Well Depth (ft)	GW Elevation	Field Observations
MW018	0934	-	3.09	-	-	
MW013	0938	-	6.39	-	-	
MW019	0945	-	2.55	-	-	
MW020	0946	-	2.68	-	-	
RW007	0947	-	6.59	-	-	
MW001	0950	-	5.03	-	-	
MW002	0949	-	5.28	-	-	
MW003	0951	-	5.02	-	-	
MW006	0952	-	5.65	-	-	
MW007	0953	-	5.54	-	-	
RW008	0955	-	6.10	-	-	
MW009	1417	-	2.46	-	-	
MW008	1417	-	6.31	-	-	
MW012	nm	-	-	-	-	destroyed see photos
MW015I	1422	-	2.52	-	-	
MW017	nm	-	-	-	-	not located
MW011	nm	-	-	-	-	under debris pile
MW005	1420	-	2.52	-	-	
MW021	1441	-	0.33	-	-	
MW022	1442	-	0.95	-	-	
MW023	1452	-	0.79	-	-	
MW026	nm	-	-	-	-	well cap lodged too far in to well to recover
MW024	1521	-	2.77	-	-	
MW025	1340	-	2.64	-	-	

CALIBRATION LOG

Geosyntec Consultants
Water Quality Instrument Calibration Form

Project/Site: SILVEX Project #: FR7191E Field Personnel: A. Ramsey

Water Quality Meter - Model/Serial #: YSI 556 MPS / 14F100064 Turbidimeter - Model/Serial # Hach 2100Q / 13120CC29987

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3mg/L		
(CAL) ICV CCV		1/8/20	0925	20.7	8.968	8.67	100.0	(P) F
CAL ICV (CCV)		↓	1253	19.1	9.444	9.45	100.0	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
(CAL) ICV CCV		1/8/20	0920	1.000	17/1000-E	12/20	1.000	(P) F
CAL ICV (CCV)		↓	1257	1.000	↓	↓	0.995	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/-0.2 SU		
(CAL) ICV CCV		1/8/20	0846	10.0	9GA1078	~~10.0~~ MFG 11/21	10.01	(P) F
CAL ICV CCV		↓	0857	4.0	9GB303	2/21	3.96	(P) F
CAL ICV CCV			0917	7.0	9GB714	2/21	7.00	(P) F
CAL ICV (CCV)			1305	4.0	9GB303	2/21	3.88	(P) F
CAL ICV (CCV)			1310	7.0	9GB714	2/21	6.80	(P) F
CAL ICV (CCV)			1319	10.0	9GA1078	1/21	9.93	(P) F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
(CAL) ICV CCV		1/8/20	0844	229@25	9G1576	6/20	245.4	(P) F
CAL ICV (CCV)		↓	1303	229@25	↓	↓	332.5	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance Probe Cleaned? Yes (No) Disolved Oxygen membrane Changed? Yes (No)

0.1 - 10 NTU Std 1.0 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL (CV) CCV	1/8/20	10.5	(P) F
CAL ICV (CCV)	↓	10.1	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

11 - 40 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL (ICV) CCV	1/8/20	19.5	(P) F
CAL ICV (CCV)	↓	19.0	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL (ICV) CCV	1/8/20	101	(P) F
CAL ICV (CCV)	↓	99.0	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std 800 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL (ICV) CCV	1/8/20	790	(P) F
CAL ICV (CCV)	↓	792	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration
ICV - Initial Calibration Verification
CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration
Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings < 0.1 mS/cm then one standard of 0.1 mS/cm is acceptable)
Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)
If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

Geosyntec Consultants
Water Quality Instrument Calibration Form

Project/Site: Silvex Project #: FR11GE Field Personnel: A. Cannon

Water Quality Meter - Model/Serial #: YSI 556 MPS 08C100852 Turbidimeter - Model/Serial # HACH 2100Q/13110C029443

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3mg/L		
(CAL) ICV CCV		1/8/20	0948	19.70	9.147	9.14	100	(P) F
CAL ICV (CCV)			1247	22.00	8.744	6.11	69.9	P (F)
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
(CAL) ICV CCV			0851	1.000	117/1000E	12/20	1000	(P) F
CAL ICV (CCV)			1251	1.000	↓	↓	1.102	P (F)
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/-0.2 SU		
(CAL) ICV CCV			0900	7.00	9B168	03/21	7.00	(P) F
(CAL) ICV CCV			0918	~~4.01~~ 4.01	9B170	03/21	4.00	(P) F
(CAL) ICV CCV			0930	10.00	9GA1078	1/21	10.00	(P) F
CAL ICV (CCV)			1300	7.00	9B168	02/21	7.01	(P) F
CAL ICV (CCV)			1303	10.00	9GA1078	1/21	9.90	(P) F
CAL ICV (CCV)			1307	4.01	9B170	03/21	4.18	(P) F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
(CAL) ICV CCV			0856	246.4 @13.12	9G1576	10/20	246.4	(P) F
CAL ICV (CCV)			1254	239.2 @ 18.05	↓	↓	~~239.9~~	(P) F
CAL ICV CCV							235.9 (V)	P F
CAL ICV CCV		V						P F

Specific Conductance Probe Cleaned? Yes (No) Disolved Oxygen membrane Changed? (Yes) No

0.1 - 10 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL (ICV) CCV	1/8/20	10.1	(P) F
CAL ICV (CCV)		10.0	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL (ICV) CCV		20.1	(P) F
CAL ICV (CCV)		19.9	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL (ICV) CCV		99.4	(P) F
CAL ICV (CCV)		97.7	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std 800 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL (ICV) CCV		784	(P) F
CAL ICV (CCV)		795	(P) F
CAL ICV CCV			P F
CAL ICV CCV	V		P F

1. See Table FS 2200-2 on the back of this form
CAL - Initial Calibration
ICV - Initial Calibration Verification
CCV - Continuing Calibration Verification
Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration
Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings < 0.1 mS/cm then one standard of 0.1 mS/cm is acceptable)
Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)
If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

GROUNDWATER SAMPLING LOGS

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Silver	SITE LOCATION: St. Augustine, FL	
WELL NO: ~~MW-015I~~ MW015I	SAMPLE ID: MW015I	DATE: 1/8/20

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 50 feet to 60 feet	STATIC DEPTH TO WATER (feet): 2.58	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) x3=0.85

= 0 gallons + (0.0026 gallons/foot X 58 feet) + 0.132 gallons = 0.28 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 55	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 55	PURGING INITIATED AT: 1028	PURGING ENDED AT: 1045	TOTAL VOLUME PURGED (gallons): 1.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP mV
1033	0.75	0.75	0.15	3.45	5.76	23.02	Ø260	1.45	5.20	clear	none	-94.7
1036	0.25	1.0	0.08	3.55	5.63	23.03	258	1.39	4.97	clear	none	-101.7
1039	0.25	1.25	0.08	3.62	5.58	23.03	258	1.33	5.64	clear	none	-108.9
1042	0.25	1.5	0.08	3.62	5.48	23.04	257	1.31	5.41	clear	none	-118.2
1045	0.25	1.75	0.08	3.60	5.46	23.06	257	1.33	5.63	clear	none	-125.0

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: A. Cannon / Geosyntec	SAMPLER(S) SIGNATURE(S): Ashley Cannon	SAMPLING INITIATED AT: 1050	SAMPLING ENDED AT: 1057
PUMP OR TUBING DEPTH IN WELL (feet): 55	TUBING MATERIAL CODE: PE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW015I	1	AG	1000 mL	NASULF-BISULF	50 mg	<4	1,4-Dioxane	APP	<200

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Silver	SITE LOCATION: St. Augustine, FL	
WELL NO: MW018	SAMPLE ID: MW018	DATE: 11/8/20

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 50 feet to 60 feet	STATIC DEPTH TO WATER (feet): ~~3.15~~ 2.82 (AE)	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0026 gallons/foot X 56 feet) + 0.132 gallons = 0.28 gallons x 3 = 0.83

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 55	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 55	PURGING INITIATED AT: 1131	PURGING ENDED AT: 1204	TOTAL VOLUME PURGED (gallons): 3.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP mV
1141	0.8	0.8	0.08	5.64	6.59	22.93	262	0.88	41.8	clear w/ SS	none	-171.4
1144	0.3	1.1	~~0.08~~ 0.1	5.69	6.64	22.95	292	0.86	31.8	clear w/ SS	none	-188.2
1147	0.3	1.4	0.1	5.65	6.70	22.91	332	0.85	22.0	clear w/ SS	none	-216.9
1200	~~1.6~~ 1.2	2.6	0.1	5.58	6.83	23.18	386	0.98	10.1	clear w/ SS	none	-196.6
1202	0.2	2.8	0.1	5.51	6.81	23.06	386	0.90	17.1	clear w/ SS	none	-164.4
1204	0.2	3.0	0.1	5.46	6.81	23.05	387	0.89	10.2	clear w/ SS	none	-190.0
									(AE)			

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: A. Cannon / Geosyntec	SAMPLER(S) SIGNATURE(S): Ashley Cannon	SAMPLING INITIATED AT: 1210	SAMPLING ENDED AT: 1217
PUMP OR TUBING DEPTH IN WELL (feet): 55	TUBING MATERIAL CODE: PE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW018	1	AG	1L	NAOH+H2SO4	50 mL	<2	1,4-dioxane	APP	<200
							(AE)		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Silvex		SITE LOCATION: St. Augustine	
WELL NO: MW01C1	SAMPLE ID: MW01C1		DATE: 1/8/20

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 50 feet to 60 feet	STATIC DEPTH TO WATER (feet): 2.61	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (— feet – — feet) X — gallons/foot = — gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0026 gallons/foot X 60 feet) + 0.05 gallons = 0.20 gallons

x 3 = 0.61

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 55	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 55	PURGING INITIATED AT: 1232	PURGING ENDED AT: 1243	TOTAL VOLUME PURGED (gallons): 1.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP (mV)
1239	0.75	0.75	0.11	2.83	6.09	22.61	246	0.77	10.8	Clear	none	215.0
1241	0.25	1.00	0.12	2.83	6.03	22.53	238	0.64	12.1	"	"	214.1
1243	0.25	1.25	0.12	2.83	6.03	22.59	238	0.64	13.5	"	"	214.6

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WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: A. Ramsey / Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1248	SAMPLING ENDED AT: 1300
PUMP OR TUBING DEPTH IN WELL (feet): 55	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW01C1	3	CG	40ml	HCl	—	<2	VOCs	APP	<200
Field dup	"	"	"	"	—	"	"	"	"

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REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Silvey	SITE LOCATION: St. Augustine	
WELL NO: MW021	SAMPLE ID: MW021	DATE: 1/8/20

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 50 feet to 60 feet	STATIC DEPTH TO WATER (feet): 0.40	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (— feet – — feet) X — gallons/foot = — gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.004 gallons/foot X 60 feet) + 0.05 gallons = 0.287 gallons X3 = 0.267

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 55	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 55	PURGING INITIATED AT: 1014	PURGING ENDED AT: 1041	TOTAL VOLUME PURGED (gallons): 1.70

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP (mV)
1024	0.75	0.75	0.08	0.53	6.46	20.65	516	3.08	1.34	clear	none	214.4
1037	0.75	1.50	0.06	0.55	5.91	21.37	520	1.70	0.84	"	"	200.5
1039	0.10	1.60	0.05	0.55	5.87	21.47	521	1.74	0.66	"	"	199.7
1041	0.10	1.70	0.05	0.56	5.86	21.41	522	1.52	0.89	"	"	198.8
												AR

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: A. Ramsey/Ecosynte	SAMPLER(S) SIGNATURE(S): A. Ramsey	SAMPLING INITIATED AT: 1044	SAMPLING ENDED AT: 1050
PUMP OR TUBING DEPTH IN WELL (feet): 55	TUBING MATERIAL CODE: PE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW021	3	CG	40ml	HCl	–	<2	VOCs	APP	<200
									AR

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: MW024 Silvex	SITE LOCATION: St. Augustine	
WELL NO:	SAMPLE ID: MW024	DATE: 1/8/20

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH 50 feet to 60 feet	STATIC DEPTH TO WATER (feet): 2.86	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (– feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.014 gallons/foot X 60 feet) + 0.05 gallons = 0.89 gallons x3=0.267

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 55	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 55	PURGING INITIATED AT: 1134	PURGING ENDED AT: 1148	TOTAL VOLUME PURGED (gallons): 0.7

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (S/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP (mV)
1144	0.5	0.5	0.05	3.00	5.09	21.27	202	1.02	3.05	clear	none	225.9
1146	0.1	0.6	0.05	3.00	5.04	21.30	202	0.92	3.19	"	"	224.6
1148	0.1	0.7	0.05	3.00	5.07	21.27	204	0.80	3.32	"	"	2.22

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WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: A. Ramsey / Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1150	SAMPLING ENDED AT: 1200
PUMP OR TUBING DEPTH IN WELL (feet): 55	TUBING MATERIAL CODE: PE,S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW024	1	AG	1L	Na bisulfate 50 mg		<4	1,4 Dioxane	APP	<200

ATR

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

DRUM TRACKING LOG

FIELD DRUM INVENTORY TRACKING LOG

Project No.: FR17191E **Project Start Date:** 1/7/20

Drum Number	Content % Full	Contents (soil, development water, purge water, etc.)	Source Location (Well #, Boring #, etc.)	Date Filled	Storage Area
1	25	Purge Water	MW015I, 018, 019, 021, 024	1/8/20	inside site gate on left.

PHOTOGRAPHIC LOG

GEOSYNTEC CONSULTANTS
Photographic Record

Geosyntec consultants

Client: FDEP	**Project Number: FR1719E**
Site Name: Silvex	**Site Location: St. Augustine, FL**

Photograph 1

Date: 7 January 2020

Direction: E

Comments: Quarterly mowing was completed by G&G Excavations prior to the 2020 annual groundwater sampling event.



Photograph 2

Date: 7 January 2020

Direction: SE

Comments: Quarterly mowing was completed by G&G Excavations prior to the 2020 annual groundwater sampling event. Gate remains operational and is secured following each mowing and sampling event.



APPENDIX B

IDW MANIFEST

APPENDIX C

LABORATORY ANALYTICAL REPORTS

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL 32216
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Phone: (904)363-9350
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January 22, 2020

Rachel Klinger
Geosyntec Consultants
1200 Riverplace Blvd
Jacksonville, FL 32207

RE: Workorder: J2000516 SILVEX

Dear Rachel Klinger:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, January 09, 2020. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Craig Myers - Client Services Manager
CMyers@AELLab.com

Enclosures

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SAMPLE SUMMARY

Workorder: J2000516 SILVEX

Lab ID	Sample ID	Matrix	Date Collected	Date Received
J2000516001	MW019	Water	1/8/2020 12:48	1/9/2020 12:35
J2000516002	MW021	Water	1/8/2020 10:44	1/9/2020 12:35
J2000516003	Field Dup	Water	1/8/2020 12:48	1/9/2020 12:35
J2000516004	IDW	Water	1/8/2020 13:28	1/9/2020 12:35

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ANALYTICAL RESULTS

Workorder: J2000516 SILVEX

Lab ID: **J2000516001** Date Received: 01/09/20 12:35 Matrix: Water

Sample ID: **MW019** Date Collected: 01/08/20 12:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1-Trichloroethane	**0.22**	**U**	**ug/L**	**1**	1.0	0.22	1/19/2020 19:50	J
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	1/19/2020 19:50	J
1,1,2-Trichloroethane	**0.30**	**U**	**ug/L**	**1**	1.0	0.30	1/19/2020 19:50	J
1,1-Dichloroethane	**1.3**		**ug/L**	**1**	1.0	0.14	1/19/2020 19:50	J
1,1-Dichloroethylene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/19/2020 19:50	J
1,2-Dichlorobenzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/19/2020 19:50	J
1,2-Dichloroethane	**0.23**	**U**	**ug/L**	**1**	1.0	0.23	1/19/2020 19:50	J
1,2-Dichloropropane	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	1/19/2020 19:50	J
1,3-Dichlorobenzene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	1/19/2020 19:50	J
1,4-Dichlorobenzene	**0.22**	**U**	**ug/L**	**1**	1.0	0.22	1/19/2020 19:50	J
2-Chloroethyl Vinyl Ether	**0.20**	**U**	**ug/L**	**1**	5.0	0.20	1/19/2020 19:50	J
Benzene	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	1/19/2020 19:50	J
Bromodichloromethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	1/19/2020 19:50	J
Bromoform	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	1/19/2020 19:50	J
Bromomethane	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	1/19/2020 19:50	J
Carbon Tetrachloride	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	1/19/2020 19:50	J
Chlorobenzene	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/19/2020 19:50	J
Chloroethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	1/19/2020 19:50	J
Chloroform	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/19/2020 19:50	J
Chloromethane	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/19/2020 19:50	J
Dibromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	1/19/2020 19:50	J
Dichlorodifluoromethane	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	1/19/2020 19:50	J
Ethylbenzene	**0.24**	**U**	**ug/L**	**1**	1.0	0.24	1/19/2020 19:50	J
Methyl tert-butyl Ether (MTBE)	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	1/19/2020 19:50	J
Methylene Chloride	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	1/19/2020 19:50	J
Tetrachloroethylene (PCE)	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	1/19/2020 19:50	J
Toluene	**0.23**	**U**	**ug/L**	**1**	1.0	0.23	1/19/2020 19:50	J
Trichloroethene	**57**		**ug/L**	**1**	1.0	0.29	1/19/2020 19:50	J
Trichlorofluoromethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	1/19/2020 19:50	J
Vinyl Chloride	**2.0**		**ug/L**	**1**	1.0	0.20	1/19/2020 19:50	J
Xylene (Total)	**0.53**	**U**	**ug/L**	**1**	2.0	0.53	1/19/2020 19:50	J
cis-1,2-Dichloroethylene	**31**		**ug/L**	**1**	1.0	0.24	1/19/2020 19:50	J
cis-1,3-Dichloropropene	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	1/19/2020 19:50	J
trans-1,2-Dichloroethylene	**15**		**ug/L**	**1**	1.0	0.20	1/19/2020 19:50	J
trans-1,3-Dichloropropylene	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/19/2020 19:50	J
1,2-Dichloroethane-d4 (S)	**98**		**%**	**1**	70-128		1/19/2020 19:50	

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ANALYTICAL RESULTS

Workorder: J2000516 SILVEX

Lab ID: **J2000516001** Date Received: 01/09/20 12:35 Matrix: Water
Sample ID: **MW019** Date Collected: 01/08/20 12:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Toluene-d8 (S)	**100**		**%**	**1**	77-119		1/19/2020 19:50	
Bromofluorobenzene (S)	**115**		**%**	**1**	86-123		1/19/2020 19:50	

Lab ID: **J2000516002** Date Received: 01/09/20 12:35 Matrix: Water
Sample ID: **MW021** Date Collected: 01/08/20 10:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1-Trichloroethane	**0.22**	**U**	**ug/L**	**1**	1.0	0.22	1/19/2020 20:19	J
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	1/19/2020 20:19	J
1,1,2-Trichloroethane	**0.30**	**U**	**ug/L**	**1**	1.0	0.30	1/19/2020 20:19	J
1,1-Dichloroethane	**0.14**	**U**	**ug/L**	**1**	1.0	0.14	1/19/2020 20:19	J
1,1-Dichloroethylene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/19/2020 20:19	J
1,2-Dichlorobenzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/19/2020 20:19	J
1,2-Dichloroethane	**0.23**	**U**	**ug/L**	**1**	1.0	0.23	1/19/2020 20:19	J
1,2-Dichloropropane	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	1/19/2020 20:19	J
1,3-Dichlorobenzene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	1/19/2020 20:19	J
1,4-Dichlorobenzene	**0.22**	**U**	**ug/L**	**1**	1.0	0.22	1/19/2020 20:19	J
2-Chloroethyl Vinyl Ether	**0.20**	**U**	**ug/L**	**1**	5.0	0.20	1/19/2020 20:19	J
Benzene	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	1/19/2020 20:19	J
Bromodichloromethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	1/19/2020 20:19	J
Bromoform	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	1/19/2020 20:19	J
Bromomethane	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	1/19/2020 20:19	J
Carbon Tetrachloride	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	1/19/2020 20:19	J
Chlorobenzene	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/19/2020 20:19	J
Chloroethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	1/19/2020 20:19	J
Chloroform	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/19/2020 20:19	J
Chloromethane	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/19/2020 20:19	J
Dibromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	1/19/2020 20:19	J
Dichlorodifluoromethane	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	1/19/2020 20:19	J
Ethylbenzene	**0.24**	**U**	**ug/L**	**1**	1.0	0.24	1/19/2020 20:19	J
Methyl tert-butyl Ether (MTBE)	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	1/19/2020 20:19	J
Methylene Chloride	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	1/19/2020 20:19	J

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ANALYTICAL RESULTS

Workorder: J2000516 SILVEX

Lab ID: **J2000516002** Date Received: 01/09/20 12:35 Matrix: Water
Sample ID: **MW021** Date Collected: 01/08/20 10:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Tetrachloroethylene (PCE)	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	1/19/2020 20:19	J
Toluene	**0.23**	**U**	**ug/L**	**1**	1.0	0.23	1/19/2020 20:19	J
Trichloroethene	**0.96**	**I**	**ug/L**	**1**	1.0	0.29	1/19/2020 20:19	J
Trichlorofluoromethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	1/19/2020 20:19	J
Vinyl Chloride	**3.1**		**ug/L**	**1**	1.0	0.20	1/19/2020 20:19	J
Xylene (Total)	**0.53**	**U**	**ug/L**	**1**	2.0	0.53	1/19/2020 20:19	J
cis-1,2-Dichloroethylene	**12**		**ug/L**	**1**	1.0	0.24	1/19/2020 20:19	J
cis-1,3-Dichloropropene	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	1/19/2020 20:19	J
trans-1,2-Dichloroethylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	1/19/2020 20:19	J
trans-1,3-Dichloropropylene	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/19/2020 20:19	J
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-128		1/19/2020 20:19	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		1/19/2020 20:19	
Bromofluorobenzene (S)	**115**		**%**	**1**	86-123		1/19/2020 20:19	

Lab ID: **J2000516003** Date Received: 01/09/20 12:35 Matrix: Water
Sample ID: **Field Dup** Date Collected: 01/08/20 12:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1-Trichloroethane	**0.22**	**U**	**ug/L**	**1**	1.0	0.22	1/19/2020 20:48	J
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	1/19/2020 20:48	J
1,1,2-Trichloroethane	**0.30**	**U**	**ug/L**	**1**	1.0	0.30	1/19/2020 20:48	J
1,1-Dichloroethane	**1.3**		**ug/L**	**1**	1.0	0.14	1/19/2020 20:48	J
1,1-Dichloroethylene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/19/2020 20:48	J
1,2-Dichlorobenzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/19/2020 20:48	J
1,2-Dichloroethane	**0.23**	**U**	**ug/L**	**1**	1.0	0.23	1/19/2020 20:48	J
1,2-Dichloropropane	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	1/19/2020 20:48	J
1,3-Dichlorobenzene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	1/19/2020 20:48	J
1,4-Dichlorobenzene	**0.22**	**U**	**ug/L**	**1**	1.0	0.22	1/19/2020 20:48	J
2-Chloroethyl Vinyl Ether	**0.20**	**U**	**ug/L**	**1**	5.0	0.20	1/19/2020 20:48	J
Benzene	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	1/19/2020 20:48	J
Bromodichloromethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	1/19/2020 20:48	J
Bromoform	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	1/19/2020 20:48	J

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ANALYTICAL RESULTS

Workorder: J2000516 SILVEX

Lab ID: **J2000516003** Date Received: 01/09/20 12:35 Matrix: Water
Sample ID: **Field Dup** Date Collected: 01/08/20 12:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Bromomethane	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	1/19/2020 20:48	J
Carbon Tetrachloride	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	1/19/2020 20:48	J
Chlorobenzene	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/19/2020 20:48	J
Chloroethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	1/19/2020 20:48	J
Chloroform	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/19/2020 20:48	J
Chloromethane	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/19/2020 20:48	J
Dibromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	1/19/2020 20:48	J
Dichlorodifluoromethane	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	1/19/2020 20:48	J
Ethylbenzene	**0.24**	**U**	**ug/L**	**1**	1.0	0.24	1/19/2020 20:48	J
Methyl tert-butyl Ether (MTBE)	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	1/19/2020 20:48	J
Methylene Chloride	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	1/19/2020 20:48	J
Tetrachloroethylene (PCE)	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	1/19/2020 20:48	J
Toluene	**0.23**	**U**	**ug/L**	**1**	1.0	0.23	1/19/2020 20:48	J
Trichloroethene	**76**		**ug/L**	**1**	1.0	0.29	1/19/2020 20:48	J
Trichlorofluoromethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	1/19/2020 20:48	J
Vinyl Chloride	**2.9**		**ug/L**	**1**	1.0	0.20	1/19/2020 20:48	J
Xylene (Total)	**0.53**	**U**	**ug/L**	**1**	2.0	0.53	1/19/2020 20:48	J
cis-1,2-Dichloroethylene	**38**		**ug/L**	**1**	1.0	0.24	1/19/2020 20:48	J
cis-1,3-Dichloropropene	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	1/19/2020 20:48	J
trans-1,2-Dichloroethylene	**19**		**ug/L**	**1**	1.0	0.20	1/19/2020 20:48	J
trans-1,3-Dichloropropylene	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/19/2020 20:48	J
1,2-Dichloroethane-d4 (S)	**102**		**%**	**1**	70-128		1/19/2020 20:48	
Toluene-d8 (S)	**102**		**%**	**1**	77-119		1/19/2020 20:48	
Bromofluorobenzene (S)	**114**		**%**	**1**	86-123		1/19/2020 20:48	

Lab ID: **J2000516004** Date Received: 01/09/20 12:35 Matrix: Water
Sample ID: **IDW** Date Collected: 01/08/20 13:28

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Arsenic	**0.77**	**I**	**ug/L**	**1**	1.0	0.077	1/16/2020 07:02	J
Barium	**49**		**ug/L**	**1**	0.60	0.24	1/16/2020 07:02	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	1/16/2020 07:02	J

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ANALYTICAL RESULTS

Workorder: J2000516 SILVEX

Lab ID: **J2000516004** Date Received: 01/09/20 12:35 Matrix: Water

Sample ID: **IDW** Date Collected: 01/08/20 13:28

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Chromium	**0.69**	**I**	**ug/L**	**1**	2.0	0.11	1/16/2020 07:02	J
Lead	**0.75**		**ug/L**	**1**	0.70	0.24	1/16/2020 07:02	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	1/16/2020 07:02	J
Silver	**0.12**	**I**	**ug/L**	**1**	0.50	0.068	1/16/2020 07:02	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.024**	**I**	**ug/L**	**1**	0.10	0.011	1/14/2020 14:54	J
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1-Trichloroethane	**0.22**	**U**	**ug/L**	**1**	1.0	0.22	1/20/2020 17:11	J
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	1/20/2020 17:11	J
1,1,2-Trichloroethane	**0.30**	**U**	**ug/L**	**1**	1.0	0.30	1/20/2020 17:11	J
1,1-Dichloroethane	**0.14**	**U**	**ug/L**	**1**	1.0	0.14	1/20/2020 17:11	J
1,1-Dichloroethylene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/20/2020 17:11	J
1,2-Dichlorobenzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/20/2020 17:11	J
1,2-Dichloroethane	**0.23**	**U**	**ug/L**	**1**	1.0	0.23	1/20/2020 17:11	J
1,2-Dichloropropane	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	1/20/2020 17:11	J
1,3-Dichlorobenzene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	1/20/2020 17:11	J
1,4-Dichlorobenzene	**0.22**	**U**	**ug/L**	**1**	1.0	0.22	1/20/2020 17:11	J
2-Chloroethyl Vinyl Ether	**0.20**	**U**	**ug/L**	**1**	5.0	0.20	1/20/2020 17:11	J
Benzene	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	1/20/2020 17:11	J
Bromodichloromethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	1/20/2020 17:11	J
Bromoform	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	1/20/2020 17:11	J
Bromomethane	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	1/20/2020 17:11	J
Carbon Tetrachloride	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	1/20/2020 17:11	J
Chlorobenzene	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/20/2020 17:11	J
Chloroethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	1/20/2020 17:11	J
Chloroform	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	1/20/2020 17:11	J
Chloromethane	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/20/2020 17:11	J
Dibromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	1/20/2020 17:11	J
Dichlorodifluoromethane	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	1/20/2020 17:11	J
Ethylbenzene	**0.24**	**U**	**ug/L**	**1**	1.0	0.24	1/20/2020 17:11	J
Methyl tert-butyl Ether (MTBE)	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	1/20/2020 17:11	J
Methylene Chloride	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	1/20/2020 17:11	J
Tetrachloroethylene (PCE)	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	1/20/2020 17:11	J
Toluene	**0.23**	**U**	**ug/L**	**1**	1.0	0.23	1/20/2020 17:11	J

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ANALYTICAL RESULTS

Workorder: J2000516 SILVEX

Lab ID: **J2000516004** Date Received: 01/09/20 12:35 Matrix: Water

Sample ID: **IDW** Date Collected: 01/08/20 13:28

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichloroethene	**9.4**		**ug/L**	**1**	1.0	0.29	1/20/2020 17:11	J
Trichlorofluoromethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	1/20/2020 17:11	J
Vinyl Chloride	**1.2**		**ug/L**	**1**	1.0	0.20	1/20/2020 17:11	J
Xylene (Total)	**0.53**	**U**	**ug/L**	**1**	2.0	0.53	1/20/2020 17:11	J
cis-1,2-Dichloroethylene	**7.1**		**ug/L**	**1**	1.0	0.24	1/20/2020 17:11	J
cis-1,3-Dichloropropene	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	1/20/2020 17:11	J
trans-1,2-Dichloroethylene	**2.6**		**ug/L**	**1**	1.0	0.20	1/20/2020 17:11	J
trans-1,3-Dichloropropylene	**0.21**	**U**	**ug/L**	**1**	1.0	0.21	1/20/2020 17:11	J
1,2-Dichloroethane-d4 (S)	**102**		**%**	**1**	70-128		1/20/2020 17:11	
Toluene-d8 (S)	**102**		**%**	**1**	77-119		1/20/2020 17:11	
Bromofluorobenzene (S)	**113**		**%**	**1**	86-123		1/20/2020 17:11	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: J2000516 SILVEX

PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

J	DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: J2000516 SILVEX

QC Batch: DGMj/1044 Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A Prepared: 01/14/2020 03:30

Associated Lab Samples: J2000516004

METHOD BLANK: 3347728

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Chromium	ug/L	0.11	0.11	U
Arsenic	ug/L	0.077	0.077	U
Selenium	ug/L	0.58	0.58	U
Silver	ug/L	0.068	0.068	U
Cadmium	ug/L	0.064	0.064	U
Barium	ug/L	0.24	0.24	U
Lead	ug/L	0.24	0.24	U

LABORATORY CONTROL SAMPLE: 3347729

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Chromium	ug/L	50	47	93	80-120	
Arsenic	ug/L	50	52	104	80-120	
Selenium	ug/L	50	54	109	80-120	
Silver	ug/L	50	51	103	80-120	
Cadmium	ug/L	50	52	104	80-120	
Barium	ug/L	50	51	101	80-120	
Lead	ug/L	50	50	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3347730 3347731 Original: M2000128001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Chromium	ug/L	0.98	50	48	48	93	93	75-125	0	20	
Arsenic	ug/L	0.21	50	52	51	103	102	75-125	1	20	
Selenium	ug/L	0.13	50	51	51	102	102	75-125	0	20	
Silver	ug/L	0.001	50	48	48	95	96	75-125	1	20	
Cadmium	ug/L	0.0003	50	49	50	98	100	75-125	2	20	
Barium	ug/L	50	50	99	100	98	100	75-125	1	20	
Lead	ug/L	0.019	50	49	50	98	100	75-125	2	20	

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QUALITY CONTROL DATA

Workorder: J2000516 SILVEX

QC Batch: DGMj/1047 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 01/14/2020 10:50
Associated Lab Samples: J2000516004

METHOD BLANK: 3348402

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	ug/L	0.011	0.011	U

LABORATORY CONTROL SAMPLE: 3348403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	ug/L	2	2.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3348404 3348405 Original: S2000050001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0	2	1.1	1.0	56	52	80-120	8	20	

QC Batch: MSVj/1047 Analysis Method: SW-846 8260B
QC Batch Method: SW-846 5030B Prepared: 01/19/2020 11:37
Associated Lab Samples: J2000516001, J2000516002, J2000516003, J2000516004

METHOD BLANK: 3355399

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Dichlorodifluoromethane	ug/L	0.19	0.19	U
Chloromethane	ug/L	0.21	0.21	U
Vinyl Chloride	ug/L	0.20	0.20	U
Bromomethane	ug/L	0.29	0.29	U
Chloroethane	ug/L	0.33	0.33	U

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QUALITY CONTROL DATA

Workorder: J2000516 SILVEX

METHOD BLANK: 3355399

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Trichlorofluoromethane	ug/L	0.32	0.32	U
1,1-Dichloroethylene	ug/L	0.18	0.18	U
Methylene Chloride	ug/L	2.5	2.5	U
trans-1,2-Dichloroethylene	ug/L	0.20	0.20	U
Methyl tert-butyl Ether (MTBE)	ug/L	0.17	0.17	U
1,1-Dichloroethane	ug/L	0.14	0.14	U
cis-1,2-Dichloroethylene	ug/L	0.24	0.24	U
Chloroform	ug/L	0.18	0.18	U
1,2-Dichloroethane	ug/L	0.23	0.23	U
1,1,1-Trichloroethane	ug/L	0.22	0.22	U
Carbon Tetrachloride	ug/L	0.36	0.36	U
Benzene	ug/L	0.16	0.16	U
1,2-Dichloropropane	ug/L	0.66	0.66	U
Trichloroethene	ug/L	0.29	0.29	U
Bromodichloromethane	ug/L	0.46	0.46	U
2-Chloroethyl Vinyl Ether	ug/L	0.20	0.20	U
cis-1,3-Dichloropropene	ug/L	0.16	0.16	U
trans-1,3-Dichloropropylene	ug/L	0.21	0.21	U
1,1,2-Trichloroethane	ug/L	0.30	0.30	U
Toluene	ug/L	0.23	0.23	U
Dibromochloromethane	ug/L	0.33	0.33	U
Tetrachloroethylene (PCE)	ug/L	0.36	0.36	U
Chlorobenzene	ug/L	0.21	0.21	U
Ethylbenzene	ug/L	0.24	0.24	U
Bromoform	ug/L	0.44	0.44	U
1,1,2,2-Tetrachloroethane	ug/L	0.20	0.20	U
1,3-Dichlorobenzene	ug/L	0.19	0.19	U
1,4-Dichlorobenzene	ug/L	0.22	0.22	U
1,2-Dichlorobenzene	ug/L	0.18	0.18	U
Xylene (Total)	ug/L	0.53	0.53	U
1,2-Dichloroethane-d4 (S)	%	100	70-128	
Toluene-d8 (S)	%	100	77-119	
Bromofluorobenzene (S)	%	113	86-123	

LABORATORY CONTROL SAMPLE & LCSD: 3355400 3355401

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES										
Dichlorodifluoromethane	ug/L	20	14	21	72	105		37		
Chloromethane	ug/L	20	18	19	90	97		8		

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QUALITY CONTROL DATA

Workorder: J2000516 SILVEX

LABORATORY CONTROL SAMPLE & LCSD: 3355400 3355401

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Vinyl Chloride	ug/L	20	19	20	97	103	70-130	6	20	
Bromomethane	ug/L	20	21	21	105	106		0		
Chloroethane	ug/L	20	21	23	106	115		8		
Trichlorofluoromethane	ug/L	20	21	21	107	107		0		
1,1-Dichloroethylene	ug/L	20	22	22	110	108	70-130	2	20	
Methylene Chloride	ug/L	20	21	21	107	105		2		
trans-1,2-Dichloroethylene	ug/L	20	23	21	115	104		9		
Methyl tert-butyl Ether (MTBE)	ug/L	20	23	26	114	128	70-130	12	20	
1,1-Dichloroethane	ug/L	20	23	21	113	104		8		
cis-1,2-Dichloroethylene	ug/L	20	23	21	117	107	70-130	9	20	
Chloroform	ug/L	20	23	21	113	104	70-130	8	20	
1,2-Dichloroethane	ug/L	20	23	21	113	103		10		
1,1,1-Trichloroethane	ug/L	20	22	21	112	106		6		
Carbon Tetrachloride	ug/L	20	23	22	115	108		6		
Benzene	ug/L	20	23	21	115	104	70-130	10	20	
1,2-Dichloropropane	ug/L	20	23	21	114	106		8		
Trichloroethene	ug/L	20	22	20	112	101	70-130	10	20	
Bromodichloromethane	ug/L	20	23	20	117	102		14		
2-Chloroethyl Vinyl Ether	ug/L	20	28	20	139	101		32		
cis-1,3-Dichloropropene	ug/L	20	22	20	110	98		12		
trans-1,3-Dichloropropylene	ug/L	20	22	19	110	97		12		
1,1,2-Trichloroethane	ug/L	20	23	20	114	102		12		
Toluene	ug/L	20	23	21	114	106	70-130	8	20	
Dibromochloromethane	ug/L	20	22	22	111	109		2		
Tetrachloroethylene (PCE)	ug/L	20	23	21	114	106	70-130	7	20	
Chlorobenzene	ug/L	20	23	21	115	107	70-130	7	20	
Ethylbenzene	ug/L	20	24	22	119	111	70-130	7	20	
Bromoform	ug/L	20	21	20	106	102		4		
1,1,2,2-Tetrachloroethane	ug/L	20	22	21	109	105		4		
1,3-Dichlorobenzene	ug/L	20	24	22	120	110	70-130	9	20	
1,4-Dichlorobenzene	ug/L	20	23	22	117	110		6		
1,2-Dichlorobenzene	ug/L	20	23	22	116	109	70-130	6	20	
Xylene (Total)	ug/L	60	71	66	119	110	70-130	7	20	
1,2-Dichloroethane-d4 (S)	%				100	96	70-128	4		
Toluene-d8 (S)	%				99	101	77-119	2		
Bromofluorobenzene (S)	%				102	104	86-123	2		

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QUALITY CONTROL DATA

Workorder: J2000516 SILVEX

MATRIX SPIKE SAMPLE: 3355402 Original: J2000516001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
VOLATILES							
Dichlorodifluoromethane	ug/L	0	20	18	91		
Chloromethane	ug/L	0	20	18	90		
Vinyl Chloride	ug/L	2	20	21	96	70-130	
Bromomethane	ug/L	0	20	20	99		
Chloroethane	ug/L	0	20	21	103		
Trichlorofluoromethane	ug/L	0	20	20	98		
1,1-Dichloroethylene	ug/L	0	20	20	101	70-130	
Methylene Chloride	ug/L	0	20	17	83		
trans-1,2-Dichloroethylene	ug/L	15	20	34	96		
Methyl tert-butyl Ether (MTBE)	ug/L	0	20	24	122	70-130	
1,1-Dichloroethane	ug/L	1.3	20	21	98		
cis-1,2-Dichloroethylene	ug/L	31	20	51	102	70-130	
Chloroform	ug/L	0	20	19	97	70-130	
1,2-Dichloroethane	ug/L	0	20	19	94		
1,1,1-Trichloroethane	ug/L	0	20	20	99		
Carbon Tetrachloride	ug/L	0	20	20	99		
Benzene	ug/L	0	20	19	97	70-130	
1,2-Dichloropropane	ug/L	0	20	20	98		
Trichloroethene	ug/L	57	20	75	93	70-130	
Bromodichloromethane	ug/L	0	20	19	96		
2-Chloroethyl Vinyl Ether	ug/L	0	20	24	122		
cis-1,3-Dichloropropene	ug/L	0	20	18	89		
trans-1,3-Dichloropropylene	ug/L	0	20	18	88		
1,1,2-Trichloroethane	ug/L	0	20	19	94		
Toluene	ug/L	0	20	18	92	70-130	
Dibromochloromethane	ug/L	0	20	19	95		
Tetrachloroethylene (PCE)	ug/L	0	20	18	88	70-130	
Chlorobenzene	ug/L	0	20	19	94	70-130	
Ethylbenzene	ug/L	0	20	19	97	70-130	
Bromoform	ug/L	0	20	18	91		
1,1,2,2-Tetrachloroethane	ug/L	0	20	19	94		
1,3-Dichlorobenzene	ug/L	0	20	20	101	70-130	
1,4-Dichlorobenzene	ug/L	0	20	20	98		
1,2-Dichlorobenzene	ug/L	0	20	20	99	70-130	
Xylene (Total)	ug/L	0	60	59	98	70-130	
1,2-Dichloroethane-d4 (S)	%	98			101	70-128	
Toluene-d8 (S)	%	100			100	77-119	
Bromofluorobenzene (S)	%	115			106	86-123	

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QUALITY CONTROL DATA QUALIFIERS

Workorder: J2000516 SILVEX

QUALITY CONTROL PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J4	Estimated Result

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: J2000516 SILVEX

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
J2000516004	IDW	SW-846 3010A	DGMj/1044	SW-846 6020	ICMj/1013
J2000516004	IDW	SW-846 7470A	DGMj/1047	SW-846 7470A	CVAj/1010
J2000516001	MW019	SW-846 5030B	MSVj/1047	SW-846 8260B	MSVj/1048
J2000516002	MW021	SW-846 5030B	MSVj/1047	SW-846 8260B	MSVj/1048
J2000516003	Field Dup	SW-846 5030B	MSVj/1047	SW-846 8260B	MSVj/1048
J2000516004	IDW	SW-846 5030B	MSVj/1047	SW-846 8260B	MSVj/1048

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☐ Miramar: 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • I
☐ Tallahassee: 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850.
☐ Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

* J 2 0 0 0 5 1 6 *

Client Name:	Geosyntec Consultants
Address:	1200 Riverplace Blvd, Suite 710
	Jacksonville, FL 32207
Phone:	904 705 4574
FAX:	—
Contact:	Rachel Klinger
Sampled By:	A. Ramsey / A. Cannon
Turn Around Time:	☒ STANDARD ☐ RUSH
Page	1 of 1

Project Name: SILVEX
P.O. Number/Project Number: FR171916
Project Location: St. Augustine
FDEP Facility No: ERIC_3825
Project Name and Address:
Silvex
6550 Florida 16
Special Instructions: Jax Profile: 25441
■ ADaPT ☐ EQuIS

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 40 mL Vials	250 mL Plastic	LABORATORY I.D. NUMBER
									8260 H&A VOCs	8 RCRA Metals	
									HCL	#03	
MW019		G	1/8/20	1248	GW	3			X		001
MW021		↓	↓	1044	GW	↓			X		002
Field Dup		↓	↓	1248	GW	↓			X		003
IDW		C	↓	1328	GW	4			X	X	004

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge
Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☒ Yes ☐ No ☒ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 4 (in degrees celcius)

DCN: AD-051 Form last revised 08/18/2014 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1	Ashley Ramsey	1/9/20	12:35	[illegible]	1-9-20	12:35
2						
3						
4						

FOR DRINKING WATER USE:
(When PWS Information not otherwise supplied) PWS ID:_____
Contact Person:_____ Phone:_____
Supplier of Water:_____
Site-Address:_____

Wednesday, January 22, 2020 8:01:03 AM
Page 17 of 18

Advanced Environmental Labs Inc

Client: GEOSHNTEC CONSULTANTS Project name: SILVEX

Date/Time Rcvd: 1.9.2020 / 1235 Log-In request number: J2000516

Received by: BA Completed by: KE

Cooler/Shipping Information:

Courier: ☐ AEL ☒ Client ☐ UPS ☐ Blue Streak ☐ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☒ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID					
Temp (°C)	4				
Temp taken from	☒ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☒ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?			✓
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?	✓		
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?			✓
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.	✓		
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

DCN: AD-D048
Eff date 2/3/10, Last rev 9/6/16

Chemical Analysis Report

SIS-HW550-2020-01-10-01

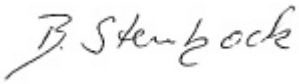
Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Silvex Site**
Request ID: **RQ-2020-01-06-11**
Customer: **SIS-HW550**
Project ID: **PROJECT2**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Rd.
Tallahassee, FL 32399-2400
Attn: Killian Talley

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator Date Certified: 22-JAN-2020 10:22



Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical group are included in this report: Priority Organic Pollutants.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

- LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
- MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
- CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
- SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
- RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
- RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
- SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

- A - Value reported is the mean of two or more determinations.
- B - Results based on colony counts outside the acceptable range.
- I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J - Estimated value and/or the analysis did not meet established quality control criteria.
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
- V - Analyte was detected in both sample and method blank.
- X - Too few individuals to calculate SCI value.
- Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: Silvex **Collection Date/Time: 01/08/2020 12:10**

Field ID: MW018 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2148666	EPA 522	1,4-Dioxane	2.6		ug/L	P377388	

Sample Location: Silvex **Collection Date/Time: 01/08/2020 10:50**

Field ID: MW015 I Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2148667	EPA 522	1,4-Dioxane	4.7		ug/L	P377388	

Sample Location: Silvex **Collection Date/Time: 01/08/2020 11:50**

Field ID: MW024 Matrix: W-GROUND

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2148668	EPA 522	1,4-Dioxane	5.5		ug/L	P377388	

Quality Assurance Report
Method Blank Results

Reference Method: EPA 522
Batch ID: P377388

Component	Result	Code	Units
1,4-Dioxane	0.020	U	ug/L

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 522
Batch ID: P377388

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
1,4-Dioxane	93.9	96.2	P/P	55 - 130

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 522
Batch ID: P377388

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2148666	1,4-Dioxane	80.0	105	P/P	55 - 130

Quality Assurance Report
Precision

Reference Method: EPA 522
Batch ID: P377388

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2148666	1,4-Dioxane	4.17	Spike	P	0 - 30
LFB	1,4-Dioxane	2.40	LCS	P	0 - 30

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report
Surrogates

Lab Sample ID: 2148666
Field Sample ID: MW018

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 522	1,4-Dioxane-d8	99.3	P	50 - 130

Lab Sample ID: 2148667
Field Sample ID: MW015 I

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 522	1,4-Dioxane-d8	96.3	P	50 - 130

Lab Sample ID: 2148668
Field Sample ID: MW024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 522	1,4-Dioxane-d8	70.3	P	50 - 130

Quality Assurance Report
Calibration Verification

Reference Method: EPA 522
Run ID: A96998
Included Lab Sample IDs: 2148666, 2148667, 2148668

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
1,4-Dioxane	101		P	70 - 130

* Pass/Fail determinations are made for each bracketing calibration verification check.
Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.
Where they are different, both control limits are provided.

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery	Precision		
				LCS	SMP	MS
EPA 522	1,4-Dioxane	93.9 96.2	80.0 105	2.40		4.17

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 522 / E31780	1,4-Dioxane in Aqueous Matrices by GC/MS using SIM	2148666, 2148667, 2148668

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 522	01/10/2020	01/20/2020 10:09	Linda Giardelli	01/20/2020 15:19	Linda Giardelli	2148666
	01/10/2020	01/20/2020 10:09	Linda Giardelli	01/20/2020 15:36	Linda Giardelli	2148667
	01/10/2020	01/20/2020 10:09	Linda Giardelli	01/21/2020 13:02	Linda Giardelli	2148668

APPENDIX D

PHOTO LOG

GEOSYNTEC CONSULTANTS
Photographic Record

Geosyntec consultants

Client: FDEP	**Project Number: FR1719E**
Site Name: Silvex	**Site Location: St. Augustine, FL**

Photograph 1 **Date: 1/7/2020 9:55 AM** **Direction: SE** **Comments: Eastern fence observed falling over due to age and strong winds**	
Photograph 2 **Date: 1/7/2020 9:55 AM** **Direction: SE** **Comments: Eastern fence observed falling over due to age and strong winds**	

GEOSYNTEC CONSULTANTS
Photographic Record

Geosyntec consultants

Client: FDEP	**Project Number: FR1719E**
Site Name: Silvex	**Site Location: St. Augustine, FL**

Photograph 3 **Date: 1/7/2020 1:49 PM** **Direction: NE** **Comments: Western fence observed falling over due to excessive vagetation growth and strong winds**	
Photograph 4 **Date: 1/7/2020 1:55 PM** **Direction: E** **Comments: MW012 well stick up and casing located in brush pile**	

GEOSYNTEC CONSULTANTS Photographic Record	Geosyntec consultants
Client: FDEP	**Project Number: FR1719E**
Site Name: Silvex	**Site Location: St. Augustine, FL**

Photograph 5	
Date: 1/7/2020 1:56 PM	
Direction: E	
Comments: MW012 well stick up and casing located in brush pile	

[Photograph ID/Number]	
Date:	
Direction:	
Comments:	

Silvex Corporation
St. Johns County, Florida

Description

The Silvex Corporation located on State Road 16 in St. Johns County incinerated waste x-ray film in a silver recovery process. The site also received waste solvents from the Jacksonville Naval Air Station. Some 36,000 gallons of waste solvents were spilled onto the ground from a waste storage tank and polluted the surficial aquifer. Samples obtained from the site show high concentrations of methylisobutyl ketone, methyl ethylketone, toluene, xylene, dichlorobenzene, propanols, butanols and methylene chloride as well as toxic levels of lead and chromium. Approximately 10,000 gallons of waste/sludge mixture remained in the tank that was in a deteriorating condition.

There are three aquifers in the area of the Silvex site. These include the Floridan, the secondary artesian and the surficial aquifers. The chance of contamination reaching the Floridan is remote. The likelihood of contamination reaching the secondary artesian aquifer depends on the consistency of the intervening confining layers. The surficial aquifer consists principally of porous and permeable sands and is recharged directly by infiltration from the surface. It is almost immediately subject to contamination from a chemical spill. Three drinking water wells using the surficial aquifer are located within three miles of the spill.

Status (November 1984)

In 1982, shortly after learning of the spill and conducting testing, DER filed suit against the facility owners and operators. In 1983 the passage of the Water Quality Assurance Act greatly strengthened the Department's power to sue generators and transporters in such cases. The Department, therefore, amended its Complaint adding the Navy and Pepper Industries, the transporter. Both the Navy and Pepper filed motions to dismiss. After many months these motions are still pending in federal district court in Jacksonville.

In May of 1983 the Florida Department of Environmental Regulation using Hazardous Waste Trust Fund monies, removed 4,500 gallons of liquid waste solvents from the tank and transporated the waste to a federally approved hazardous waste disposal facility. Approximately 5,000 gallons of sludge could not be removed at that time.

In April of 1984 the continuing deterior ion of the storage tank required the department to take steps to provide protection to the groundwater in case a tank leak occurred. $1,763.69 of Water Quality Assurance Trust fund monies were spent to seal a large hole in the upper end of the storage tank and to install a lined perimeter ditch to contain any contaminants leaking from the tank.

In June of 1984 about $28,000 of Water Quality Assurance Trust Fund monies were spent to cut open the storage tank, remove the waste sludge and transport it to a federally approved hazardous waste disposal facility.

A study is scheduled to begin in December 1984 to determine the levels of contamination of soils and surface water and to delineate the extent and character of the contamination plume in the surficial aquifer. The data collected will provide the background necessary to determine what alternative will best serve to control the threat to the environment and public health.

Study started 2/11/85. Final report due 5/24/85

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO.

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION) ~~Bill Bogle~~	INITIAL	
	DATE	
2. Pat Dugan	INITIAL	
	DATE	
3. Thanks - Look it over	INITIAL	
	DATE	
4. You're on top of it.	INITIAL	
	DATE	2/11

REMARKS:

We knew all along that the court battle would be long & protracted. Therefore we are going ahead w/ C.A. & clean-up. The costs involved will then be clearly defined for recovery by the time it goes to court.

INFORMATION
- REVIEW & RETURN
- REVIEW & FILE
- INITIAL & FORWARD

DISPOSITION
- REVIEW & RESPOND
- PREPARE RESPONSE
- FOR MY SIGNATURE
- FOR YOUR SIGNATURE
- LET'S DISCUSS
- SET UP MEETING
- INVESTIGATE & REPT
- INITIAL & FORWARD
- DISTRIBUTE
- CONCURRENCE
- FOR PROCESSING
- INITIAL & RETURN

RECEIVED
FEB 12 1985
BUREAU OF OPERATIONS

FROM: Pat Dugan

DATE 2/11

PHONE

State of Florida
DEPARTMENT OF
ENVIRONMENTAL REGULATION

From: BILL BUZICK

Pat Dugan:

Need an update on this site. Do we need to begin considering cleanup in ~~the~~ light of lengthy legal delays?

BB

RECEIVED
FEB 8 1985
BUREAU OF
OPERATIONS

Environmental Contamination Assessment - Silvex Hazardous Waste Site

Background

As part of its program to identify, investigate and correct environmental contamination problems throughout the state the Florida Department of Environmental Regulation has identified approximately twenty state action sites of considerable variety and is ready to begin contamination assessments and feasibility studies to determine cost effective alternatives for corrective action. One such site is the Silvex Corporation property on S.R. 16 near St. Augustine, Florida where there was an uncontrolled release of mixed organic solvents from a storage tank located on the property.

The Silvex Corporation was a silver smelting facility which recovered metals from waste x-ray film. The plant is located on one acre in the SE corner of 32 acres owned by Dexter Benner. The smelting facility is surrounded by a locked chain link fence. Outside the fence, adjacent to the plant, is a 25,000 gallon storage tank owned by Pepper Industries. Prior to August 1, 1981 Mr. Benner owned and operated the Silvex operation and was paid by Pepper Industries to dispose of waste fuel stored on-site. The waste fuel was transported from the Jacksonville Naval Air Station to Silvex by Pepper Industries. Prior to March 9, 1982 (when the tank valve was locked) the hazardous waste fuel from the tank had been spilled on the property. Ground water samples obtained from the site contained the following chemicals in high concentrations:
methyl isobutyl ketone, methyl ethyl ketone, toluene, xylene, dichlorobenzene, 2-propanol, ethanol, 1-butanol, 2-butanol and methylene chloride. (See attached laboratory report). The remaining liquid hazardous waste was removed from the tank May 20, 1983. The FDER is presently negotiating the removal of the tank and approximately 5,000 gallons of waste/sludge mixture.

Scope of Work

I. Contamination Plume Delineation

The study plan should include the proposed methodology to determine the extent and character of the contamination plume and the hydrogeologic conditions at the site. The horizontal and vertical extent of the plume must be determined and an estimate made of rate and direction of movement. The levels of contamination in the soil and suface water must also be determined. From these items and the toxicity of the contaminates a risk assessment of the hazards to the public health and the environment should be made.

II. Remedial Action Plan

Using the data collected from the above referenced tasks and the contractor's technological expertise, remedial action alternatives should be developed which would include recommendations of what actions are most cost-effective to control the site in the short or long term. Alternatives should range from relatively inexpensive plume migration control techniques which could be quickly instituted to an extensive program of total clean-up.

III. Contamination Assessment Report

The contractor is required to submit progress reports which will include analyses of items I. and II. listed above as completed. These reports are subject to review by FDER staff.

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

John Knoblett L.S.
Pat Dugan

For Routing To District Offices And/Or To Other Than The Addressee

To: _____ Locin.: _____
To: _____ Locin.: _____
To: _____ Locin.: _____
From: _____ Date: _____
Reply Optional [ ] Reply Required [ ] Info Only [ ]
Date Due: _____ Date Due: _____

FEB 7 1985

DIVISION OF ENVIRONMENTAL PERMITTING

TO: Victoria J. Tschinkel, Secretary

THROUGH: John C. Bottcher, Deputy General Counsel
Office of General Counsel

FROM: Thomas K. Maurer, Assistant General Counsel
Office of the General Counsel TKM

DATE: February 5, 1985

SUBJECT: Silvex, Sovereign Immunity for Past Releases by Federal Government

A decision has been reached in the Silvex case which could prevent the Department from imposing liability on federal facilities for past improper management of hazardous substances. This memo discusses the case and what further actions are recommended.

From 1977 to 1981 the Silvex facility in St. Johns County burned waste x-ray film in order to recover silver. In addition Silvex began burning hazardous waste from the U.S. Naval Air Station in Jacksonville in its incinerator. On at least one occasion hazardous waste stored in a large tank on site leaked out and seriously contaminated the soil and groundwater.

In 1982, shortly after learning of the spill and conducting testing, DER filed suit against the facility owners and operators. In 1983 the passage of the Water Quality Assurance Act greatly strengthened the Department's power to sue generators and transporters in such cases. The Department, therefore, amended its Complaint adding the Navy and Pepper Industries, the transporter. The case was removed to federal court and both the Navy and Pepper filed motions to dismiss.

On January 28, 1985, the Court granted the Navy's Motion to Dismiss finding that there was no waiver of sovereign immunity for liability under Sections 403.726 and 727, F.S. This means that we could not impose liability on federal facilities for past disposal unless we could show a violation of rules. Since in many cases the problem occurred before rules were adopted, we would not be able to make such a showing.

M E M O R A N D U M

A Notice of Appeal has been filed. In addition other states have been contacted and have said they will support us in the appeal. However, I think our chances for a successful appeal are questionable. The case law concening sovereign immunity in the environmental area requires a very convincing case on our part.

Therefore, I suggest that we attempt to convince Congress to change the law. CERCLA (Superfund) is up for reauthorization this year and the inclusion of a waiver of sovereign immunity in that act would remedy this situation.

If you agree that we should seek a change by Congress, please let me know how you wish to proceed.

TKM/khd

cc: Mrs. Mary Smallwood
Mr. Dan Thompson
Mr. Bill Buzick

Memorandum

Florida Department of Environmental Protection

To: Timothy Dohaney
Florida Department of Environmental Protection - Northeast District
7825 Baymeadows Way, Suite B200, Jacksonville, Florida 32256-7590

Through: MB Michael Bland, P.G.
Bureau of Petroleum Storage Systems, Petroleum Cleanup Section 4
Mail Station 4580

From: P.G. Paul Gruzlovic, P.G.
Ecology and Environment, Inc., Petroleum Cleanup Section 6
Bureau of Petroleum Storage Systems, Mail Station 4590

Date: December 6, 2001

Subject: Review of Site Assessment Report / NFA Proposal
Wolfe Ranch Site #1
6260 Highway 16A and Highway 16
St. Augustine, St. Johns County
FDEP Facility No. 558631076

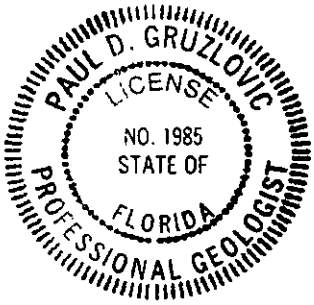
I have reviewed the Site Assessment Report (SAR) that is dated October 24, 2001. The report was received by the FDEP Northeast District on October 24, 2001 and by the Bureau of Petroleum Storage Systems in Tallahassee on October 26, 2001. The report was prepared by Ellis and Associates, Inc. (E&A) for the January 22, 2001 discharge that was discovered during the closure assessment activities for the two 1,000-gallon aboveground storage tanks (ASTs).

A recommendation for No Further Action (NFA) was included in the SAR by E&A. The groundwater and the soil analytical results for the petroleum contaminants of concern were below the groundwater and soil cleanup target levels (CTLs) specified in Chapter 62-777, Florida Administrative Code (F.A.C.). Based upon my review of the report, I have determined that NFA is appropriate for the January 22, 2001 discharge. I recommend that a Site Rehabilitation Completion Order be issued by the FDEP Northeast District for the January 22, 2001 discharge associated with Site #1 of the Wolfe Ranch.

If you have any questions, please contact me by telephone at (850) 877-1133, ext. 17. I can also be contacted by facsimile at (850) 877-1155 or by e-mail at pgruzlovic@ene.com.

Sincerely,

12/6/01



Paul D. Gruzlovic
Professional Geologist
Ecology and Environment, Inc.
Petroleum Cleanup Section 6
Bureau of Petroleum Storage Systems

10080

DEPARTMENT OF ENVIRONMENTAL PROTECTION

INTEROFFICE MEMORANDUM

TO: Michael Bland - 4580
TO:
TO:
TO:

NORTHEAST DISTRICT - JACKSONVILLE

RECEIVED
01 OCT 26 PM 3:45
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE CLEANUP
PETROLEUM CLEANUP SYSTEMS
CENTRAL DISTRICT

TO: Michael Bland, P.G. - BPSS, Petroleum Cleanup Section #4

FROM: Timothy J. Dohaney - Envir. Manager, NED Tanks Program

TJD

DATE: October 25, 2001

SUBJECT: Request for Technical Review – Non Program Site
Site Assessment Report (SAR)
Wolfe Ranch Site #1 – 6260 Hwy. 16A, St. Augustine
DEP Facility # 55/8631076

TEAM 6
OCT 29 2001
Ecology & Environment

Please find enclosed a Site Assessment Report (SAR), dated October 24, 2001, received at this office on the same date for the above referenced facility. It is requested that this report be assigned for technical review and that the review comments be sent to this office for distribution once the review is complete. To assist in the review of the SAR please find enclosed supporting information, which had been previously reviewed by or prepared at this office:

- 2/6/2001 - TCAR

Please let me know if additional information is needed. If you have any questions, you may contact **Lynal DeFalco** or me at S/C 804-3300.

TJD:sr / Enclosures

ENVIRONMENTAL REMEDIATION SERVICES, INC.

'01 MAR 2 PM 2 41
STATE OF FLORIDA
DEP - NE DISTRICT
JACKSONVILLE

TANK CLOSURE REPORT
WOLFE RANCH - AST
6260 Hwy 16a & Hwy 16
ST. AUGUSTINE, FLORIDA 32092

Prepared for:

First Union National Bank
214 N. Hogan St.
Jacksonville, Florida 32203

February 6, 2001

P.O. Box 351419
Jacksonville, FL 32235-1419

Phone (904) 741-4744
Fax (904) 741-3013

14600 Duval Place West • Suite 502
Jacksonville, FL 32218

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GROUNDWATER ASSESSMENT.....2

TANK REMOVAL AND CLEANING.....2

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Appendix A - Laboratory Analytical Results

Appendix B - Forms and Disposal Documentation

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Figure 2 - Photo Documentation

INTRODUCTION

Environmental Remediation Services, Inc. (ERS) was contracted by First Union National Bank in December of 2000 to clean two 1,000 gallon aboveground storage tanks (AST) containing petroleum products, disconnect dispensers and dispose of waste materials. The AST's are on site at the Wolfe Ranch located at 6260 Hwy 16a & Hwy 16 in St. Augustine, Florida. The scope of work consisted of degreasing and pressure washing the AST's and moving them to a new location, screening soil with an organic vapor analyzer photoionization detector (OVA-PID), excavation of petroleum impacted soil, groundwater and soil sampling, and closure report preparation.

SOIL ASSESSMENT

Samples were collected at four locations around the containment dike and one on the wall going underneath the containment dike. Samples were taken at one foot intervals to the groundwater table and screened in accordance with the methods established in Chapter 62-761, Florida Administrative Code (F.A.C.). During the soil sampling performed on January 4, 2001 we encountered the water table at a depth of 3 feet. Two out of the five OVA-PID field screening samples read over 10 parts per million (ppm) which were located at the fuel dispenser station. The containment dike was torn down and two more screening samples were taken. These samples also read over 10 ppm. The impacted areas were excavated to the groundwater table. The excavated area measured approximately 13 and 7 feet in width, 8 feet in length and 4 feet in depth. Once the excavation was complete a soil sample was taken from the "worst case" screening point and taken to Advanced Environmental Laboratories in Jacksonville, Florida for analysis. A copy of the analytical results are presented in Appendix A. All samples collected during this AST assessment were collected in accordance with our comprehensive quality assurance plan on file with the Florida Department of Environmental Protection (QA-001/92).

GROUNDWATER ASSESSMENT

Groundwater was encountered at 3 ft below land surface. ERS installed one temporary well located at the "worst case" screening point to collect groundwater samples. These groundwater samples were taken to Advanced Environmental Laboratories in Jacksonville, Florida for analysis. All samples were collected in accordance with our comprehensive quality assurance plan on file with the Florida Department of Environmental Protection (QA-001/92). Confirmatory groundwater analytical results are presented in Appendix A.

AST REMOVAL AND CLEANING

The AST's were first opened at the man covers and the remaining fuel was pumped out. Once the AST's were pumped out they were cleaned with a degreasing solution and high pressure washing unit to remove the oily residue. The AST's were then moved from the containment dike and placed off to the side. Appendix B includes, a Limited Closure Summary Report, a Discharge Report Form, a Underground Storage System Installation and Removal Form for Certified Contractors and a Storage Tank Facility Registration Facility Form. Also included in the appendix is the non-hazardous waste manifest for the disposal of oily waste water and petroleum impacted soil.

Advanced
Environmental Laboratories, Inc.

8936 Western Way • Suite 7
Jacksonville, Florida 32256
(904) 363-9350
FAX (904) 363-9354

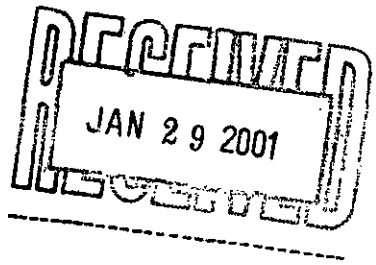
Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Project No.:	3474	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
Address:	P.O. Box 314519 Jacksonville, FL 32235	**Project Chemist:**	KB/KC/PW
		Page No.:	1 of 5
Attention:	Jessica Antonacci		

Sample Description

The following soil samples were submitted by Environmental Remediation Services, Inc. on 1/11/01 for analysis outlined on the attached Chain of Custody:

Project Name: First Union/ WolfRanch
Project #: 3474

1. AST 1 @ 14:00
2. AST 1 @ 11:50



Approved by: Jolene C Warnke-Roszel

Jolene C Warnke-Roszel, Project Manager

HRS# 82533,E82574
DEP# 940242

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	2 of 5

Volatile Halocarbons & Aromatic Hydrocarbons
EPA Method 5035/8021
Units: µg/Kg

		Lab Code:	J010101-1	J010088-mb
		Dilution Factor:	1	1
		Date Analyzed:	1/12/01	1/12/01
Analytes	**MRL**	**Sample Name:**	**AST 1**	**Method Blank**
Dichlorodifluoromethane	5		U	U
Chloromethane	5		U	U
Vinyl Chloride	5		U	U
Bromomethane	5		U	U
Chloroethane	5		U	U
Trichlorofluoromethane	5		U	U
1,1-Dichloroethene	5		U	U
Methylene Chloride	5		U	U
Methyl-*tert*-butyl Ether	5		U	U
trans-1,2-Dichloroethene	5		U	U
1,1-Dichloroethane	5		U	U
Chloroform	5		U	U
1,1,1-Trichloroethane	5		U	U
Carbon Tetrachloride	5		U	U
1,2-Dichloroethane	5		U	U
Benzene	5		U	U
Trichloroethene	5		U	U
1,2-Dichloropropane	5		U	U
Bromodichloromethane	5		U	U
cis-1,3-Dichloropropene	5		U	U
Toluene	5		U	U
trans-Dichloropropene	5		U	U
1,1,2-Trichloroethane	5		U	U
Tetrachloroethene	5		U	U
Dibromochloromethane	5		U	U
Chlorobenzene	5		U	U
Ethylbenzene	5		U	U
m&p-Xylenes	5		U	U
o-Xylene	5		U	U
Bromoform	5		U	U
1,1,2,2-Tetrachloroethane	5		U	U
1,3-Dichlorobenzene	5		U	U
1,4-Dichlorobenzene	5		U	U
1,2-Dichlorobenzene	5		U	U
Cis 1,2-Dichlorothene	5		U	U
Surrogates	**Acceptance Limits**		**Percent Recovery**	**Percent Recovery**
1,2-Dichloroethane-d4	80-120		83	103
Toluene-d8	81-117		94	102
4-Bromofluorobenzene	74-121		91	96

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	3 of 5

Polynuclear Aromatic Hydrocarbons
EPA Methods 3550B/8270C
Units: mg/Kg

		Lab Code:	J010101-2	J010073-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/12/01	1/12/01
		Date Analyzed:	1/15/01	1/15/01
Analytes	**MRL**	**Sample Name:**	**AST 1**	**Method Blank**
Naphthalene	0.100		**1.68**	U
2-Methylnaphthalene	0.100		**8.84**	U
1-Methylnaphthalene	0.100		**6.27**	U
Acenaphthylene	0.100		**0.189**	U
Acenaphthene	0.100		**0.734**	U
Fluorene	0.100		**1.58**	U
Phenanthrene	0.100		**4.61**	U
Anthracene	0.100		**1.13**	U
Fluoranthene	0.100		**0.216**	U
Pyrene	0.100		**1.10**	U
Benzo(a)anthracene	0.100		U	U
Chrysene	0.100		U	U
Benzo(b)fluoranthene	0.100		U	U
Benzo(k)Fluoranthene	0.100		U	U
Benzo(a)pyrene	0.100		U	U
Indeno-1,2,3(cd)pyrene	0.100		U	U
Dibenzo(ah)anthracene	0.100		U	U
Benzo(ghi)perylene	0.100		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
2-Fluorobiphenyl	43-130	57	71

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	4 of 5

Florida Petroleum Residual Organics
EPA Method 3550B/FL-PRO
Units:mg/kg

		Lab Code:	J010101-2	J010073-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/12/01	1/12/01
		Date Analyzed:	1/15/01	1/15/01
Analytes	**MRL**	**Sample Name:**	**AST 1**	**Method Blank**
Octane (C_8)	0.250		U	U
Decane (C_{10})	0.250		U	U
Dodecane (C_{12})	0.250		**11.8**	U
Tetradecane (C_{14})	0.250		**21.9**	U
Hexadecane (C_{16})	0.250		**26.3**	U
Octadecane (C_{18})	0.250		**28.4**	U
Eicosane(C_{20})	0.250		**51.6**	U
Docosane (C_{22})	0.250		**49.3**	U
Tetracosane (C_{24})	0.250		**5.16**	U
Hexacosane (C_{26})	0.250		**1.03**	U
Octacosane (C_{28})	0.250		U	U
Triacontane (C_{30})	0.250		U	U
Dotriacontane (C_{32})	0.250		U	U
Tetratriacontane (C_{34})	0.250		U	U
Hexatriacontane (C_{36})	0.250		U	U
Octatriacontane (C_{38})	0.250		U	U
Tetracontane (C_{40})	0.250		U	U
TOTAL PHS	4.00		**854**	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Ortho-terphenyl (OTP)	42-142	88	74
Nonatricontane (C39)	60-118	64	67

U Not detected above the MRL
MRL Method Reporting Limit

Advanced Environmental Laboratory Inc.

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	5 of 5

Total Lead
EPA Method 6010B
Units: mg/kg

Sample Name	Lab Code	Date Analyzed	MRL	Sample Result
AST 1	J010101-2	1/12/01	0.50	**4.18**
Method Blank	J010101-mb	1/12/01	0.50	U

U Not detected above the MRL
MRL Method Reporting Limit

Advanced Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

☒ Jacksonville: 8936 Western Way, Suite 7, Jacksonville, FL 32256 • (904) 363-9350 Fax (904) 363-9354
☐ Tampa: 5810-D Breckenridge Parkway, Tampa, FL 33610 • (813) 630-9616 Fax (813) 630-4327
☐ Gainesville: 2106 NW 67th Place, Suite 7, Gainesville, FL 32606 • (352) 367-1500 Fax (352) 367-0050

JOB NUMBER: 5010101

CLIENT NAME: Environmental Remediation Services	PROJECT NAME: First Union
ADDRESS: 14600 Duval Place West, Suite 502	P.O. NUMBER / PROJECT NUMBER: 3692-4 / 3474
Jacksonville, Florida 32218	PROJECT LOCATION: Wolf Ranch ASTs
PHONE: 904 741-4744 FAX: 904 741-3013	SAMPLED BY: Jessica / Sophon / Jayson
CONTACT: Jessica Antonacci	SPECIAL INSTRUCTIONS:

TURN AROUND TIME or RESULTS DUE BY:

☒ STANDARD ☐ VERBAL_____

☐ RUSH_____ ☐ FAX_____

☐ OTHER_____ ☐ HARD COPY_____

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAIN.	8021 HFA	EL-PRO	8310 (PAH)	6010 (Pb)	TCLP			LAB USE
PRESERVATIVE													
CONTAINER SIZE AND TYPE						(2) Sym. 2oz. G	8oz. G	8oz. G	8oz. G	8oz. G			
1	confirmatory soil - AST 1	1-9-01	1400	SO	3	X							-1
2	confirmatory soil - AST 1	1-10-01	1150	SO	2		X	X	X	X			-2
3	confirmatory soil - AST 2	1-10-01	1620	SO	5	X	X	X	X	X			-3
4	confirmatory soil - AST 3	1-10-01	1620	SO	5	X	X	X	X	X			-4

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:

TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
1	Jessica Antonacci	Lisa Andrews	1/11/01	1207
2				
3				
4				

CONTAINERS/SEALS INTACT ☒ YES ☐ NO | ON ICE/4°C ☒ YES ☐ NO | SHIPPED VIA: Client

DISTRIBUTION: White—Client Copy Yellow—Lab Copy Pink—Sample Copy

Advanced
Environmental Laboratories, Inc.

8936 Western Way • Suite 7
Jacksonville, Florida 32256
(904) 363-9350
FAX (904) 363-9354

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/WolfRanch	**Date Sampled:**	Various
Project No.:	3692-4/3474	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
Address:	P.O. Box 351419 Jacksonville, FL 32235-1419	**Project Chemist:**	KB/KC/PW
		Page No.:	1 of 6
Attention:	Jessica Antonacci		

Sample Description

The following water samples were submitted by Environmental Remediation Services, Inc. on 1/11/01 for analysis outlined on the attached Chain of Custody:

Project Name: First Union
Project #: 3692-4/3474

1. AST-TW-1 @ 11:15;1/10/01

Approved by: _____
Jolene C. Warnke-Roszel, Project Manager

HRS# 82533,E82574
DEP# 940242

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	2 of 6

Volatile Halocarbons & Aromatic Hydrocarbons
EPA Method 5035/8260H+A
Units: µg/L

		Lab Code:	J010100-1	J010098-mb
		Dilution Factor:	1	1
		Date Analyzed:	1/13/01	1/13/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Cis 1,2-Dichlorothene	1		U	U
Dichlorodifluoromethane	1		U	U
Chloromethane	1		U	U
Vinyl Chloride	1		U	U
Bromomethane	1		U	U
Chloroethane	1		U	U
Trichlorofluoromethane	1		U	U
1,1-Dichloroethene	1		U	U
Methylene Chloride	1		U	U
Methyl-*tert*-butyl Ether	1		U	U
trans-1,2-Dichloroethene	1		U	U
1,1-Dichloroethane	1		U	U
Chloroform	1		U	U
1,1,1-Trichloroethane	1		U	U
Carbon Tetrachloride	1		U	U
1,2-Dichloroethane	1		U	U
Benzene	1		U	U
Trichloroethene	1		U	U
1,2-Dichloropropane	1		U	U
Bromodichloromethane	1		U	U
cis-1,3-Dichloropropene	1		U	U
Toluene	1		U	U
trans-Dichloropropene	1		U	U
1,1,2-Trichloroethane	1		U	U
Tetrachloroethene	1		U	U
Dibromochloromethane	1		U	U
Chlorobenzene	1		U	U
Ethylbenzene	1		U	U
m&p-Xylenes	1		1.7	U
o-Xylene	1		U	U
Bromoform	1		U	U
1,1,2,2-Tetrachloroethane	1		U	U
1,3-Dichlorobenzene	1		U	U
1,4-Dichlorobenzene	1		U	U
1,2-Dichlorobenzene	1		U	U
Surrogates	**Acceptance Limits**		**Percent Recovery**	**Percent Recovery**
1,2-Dichloroethane-d4	80-120		110	91
Toluene-d8	88-110		101	97
4-Bromofluorobenzene	86-115		93	95

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	3 of 6

Polynuclear Aromatic Hydrocarbons
EPA Methods 3510C/8310
Units: ug/L

		Lab Code:	J010100-1	J010098-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/12/01	1/12/01
		Date Analyzed:	1/17/01	1/17/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Acenaphthylene	1		U	U
Naphthalene	1		**5.56**	U
Acenaphthene	1		U	U
2-Methylnaphthalene	1		**36.9**	U
1-Methylnaphthalene	1		**11.6**	U
Fluorene	1		**2.18**	U
Phenanthrene	1		U	U
Anthracene	1		U	U
Fluoranthene	1		U	U
Pyrene	1		U	U
Benzo(a)anthracene	0.2		U	U
Chrysene	1		U	U
Benzo(b)fluoranthene	0.2		U	U
Benzo(k)fluoranthene	0.5		U	U
Benzo(a)pyrene	0.2		U	U
Dibenzo(ah)anthracene	0.2		U	U
Indeno-1,2,3(cd)pyrene	0.2		U	U
Benzo(ghi)perylene	1		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Decafluorobiphenyl	20-115	82	111

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	4 of 6

Florida Petroleum Residual Organics
EPA Method 3510C/FL-PRO
Units: µg/L

		Lab Code:	J010100-1	J010100-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/17/01	1/17/01
		Date Analyzed:	1/17/01	1/17/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Octane (C_8)	10		U	U
Decane (C_{10})	10		U	U
Dodecane (C_{12})	10		U	U
Tetradecane (C_{14})	10		U	U
Hexadecane (C_{16})	10		U	U
Octadecane (C_{18})	10		U	U
Eicosane(C_{20})	10		U	U
Docosane (C_{22})	10		U	U
Tetracosane (C_{24})	10		U	U
Hexacosane (C_{26})	10		U	U
Octacosane (C_{28})	10		U	U
Triacosane (C_{30})	10		U	U
Dotriacotane (C_{32})	10		U	U
Tetratriacontane (C_{34})	10		U	U
Hexatriacotane (C_{36})	10		U	U
Octatriacotane (C_{38})	10		U	U
Tetracotane (C_{40})	10		U	U
TOTAL PHS	200		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Ortho-terphenyl (OTP)	42-142	43	99
Nonatria-contane (C39)	42-193	66	100

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/ Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	5 of 6

Ethylene Dibromide
EPA Method 504.1
Units: µg/L

		Lab Code:	J010100-1	J010100-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/17/01	1/17/01
		Date Analyzed:	1/18/01	1/18/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Ethylene Dibromide (EDB)	0.02		U	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.02		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Tetrachloro-*m*-xylene	15-131	103	111

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	6 of 6

Total Lead
EPA Method 6010B
Units: mg/L

Sample Name	Lab Code	Date Analyzed	MRL	Sample Result
AST-TW-1	J010100-1	1/12/01	0.005	**0.42** OK
Method Blank	J010090-mb	1/12/01	0.005	U

U Not detected above the MRL
MRL Method Reporting Limit

OVA-PID Screening Results:

First Union / Wolfe Ranch AST
6260 Hwy 16a & Hwy 16
St. Augustine, Florida 32092

Re: Wolfe Ranch AST OVA-PID Screening Results

Sample Location	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)
A	1	1.7	2	5.0	3*	24.0	4*	2.3
A-wall	1	96	2	88.5	3*	14.9		
B	1	2.2	2	2.4	3*	1.7		
C	1	1.7	2	2.0	3*	1.9		
D	1	1.6	2	1.5	3*	2.1		
E	1	46	2	26	3*	17	4*	2.6
F	1	40	2	21	3*	12	4*	5.0

ppm = parts per million
ft-bls = feet below land surface

* = groundwater and excavation completion

Florida Department of Environmental Protection

Twin Tower[s] e Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32[illegible] '00

Storage Tank Facility Registration Form

DEP Form # 62-761.900(2)
Form Title: Storage Tank Registration Form
Effective Date: July 13, 1998
DEP Application No. _____ (Filled in by DEP)

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes

Please review Registration Instructions before completing the form.

Please check all that apply:	[ ] New Registration	[ ] New Owner	[ ] New Tanks
	[✓] Facility Info Update/Correction	[ ] Owner Info Update/Correction	[✓] Tank Info Update/Correction

A. FACILITY INFORMATION County: St. Johns DEP Facility ID: 8635676

Facility Name: Wolfe Ranch
Facility Address: 6260 Hwy 16A & Hwy 16 City: St. Augustine Zip: 32092
Facility Contact: Diane Ross Business Phone: (904) 522-0463
Facility Type(s): _____ NAICS Code: _____ Financial Responsibility: _____

24 Hour Emergency Contact: _____ Emergency Phone: ( )

B. RESPONSIBLE PERSON INFORMATION - Identify individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. Provide additional information in an attachment if necessary.

Name: First Union National Bank as Trustee	Facility - Responsible Person Relation Type:	Effective Date
Mail address: 214 N. Hogan St.	[✓] Facility Account Owner (pays fees)	
City, ST, Zip: Jacksonville, Florida 32203	Facility Account Owner information must be provided when the facility contains active (in-use) storage tanks on site.	
Contact: Suzi Renehan Asst. Vice President		
Telephone: 904/489-1029	STCM Account Number (if known)	
Identify other appropriate facility relationships for this party: [ ] Facility Owner/Operator [✓] Property Owner [ ] Storage Tank Owner		

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date	Construction	Piping	Monitoring
1	T	A	1000	1-1-90	D	T 1-5-01	CK	SA	Q
2	T	A	1000	1-1-90	D	T 1-5-01	CK	SA	Q

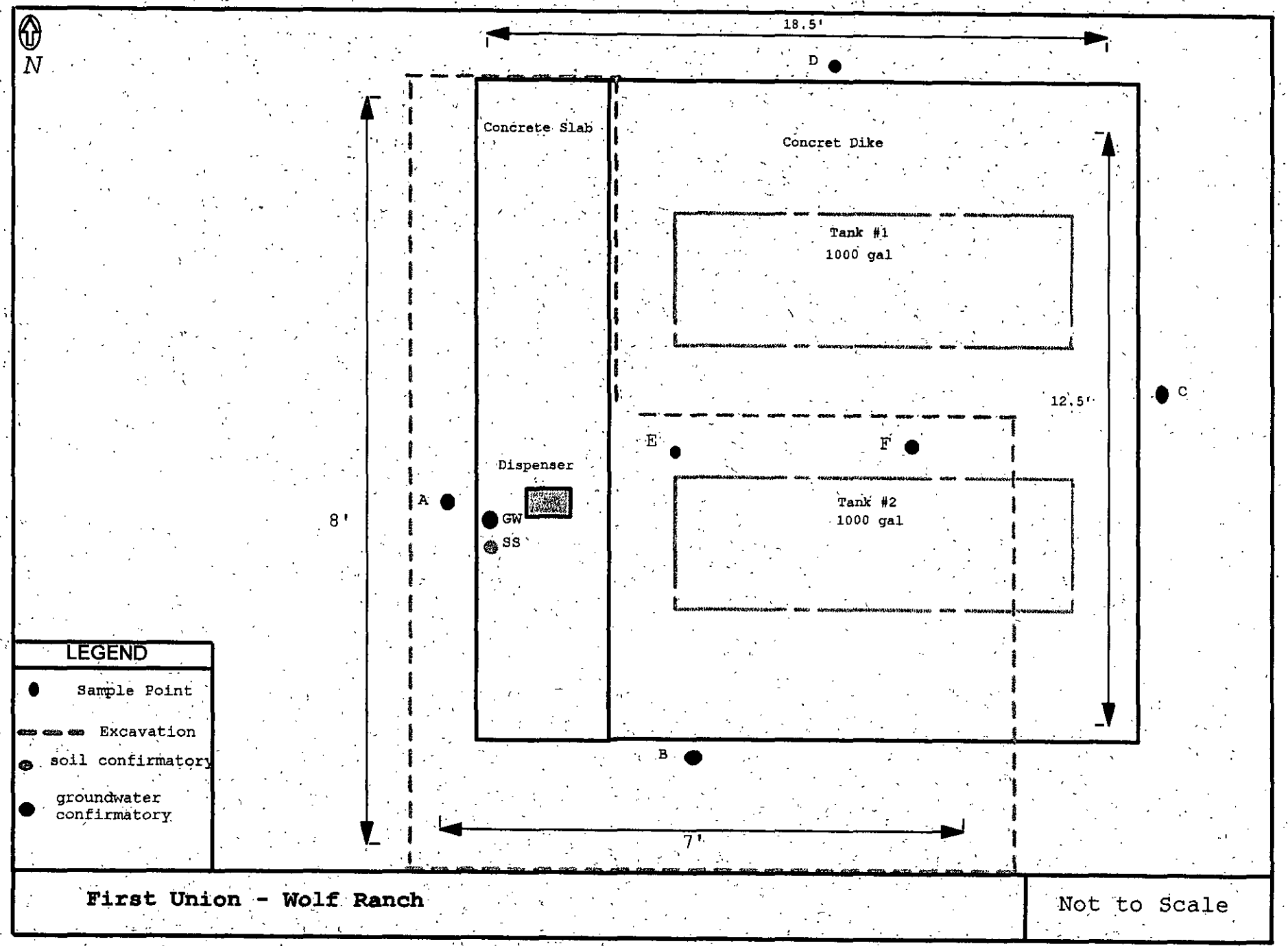
Certified Contractor (performing tank installation or removal): Environmental Remediation Svc. DBPR License No.: PCC048415

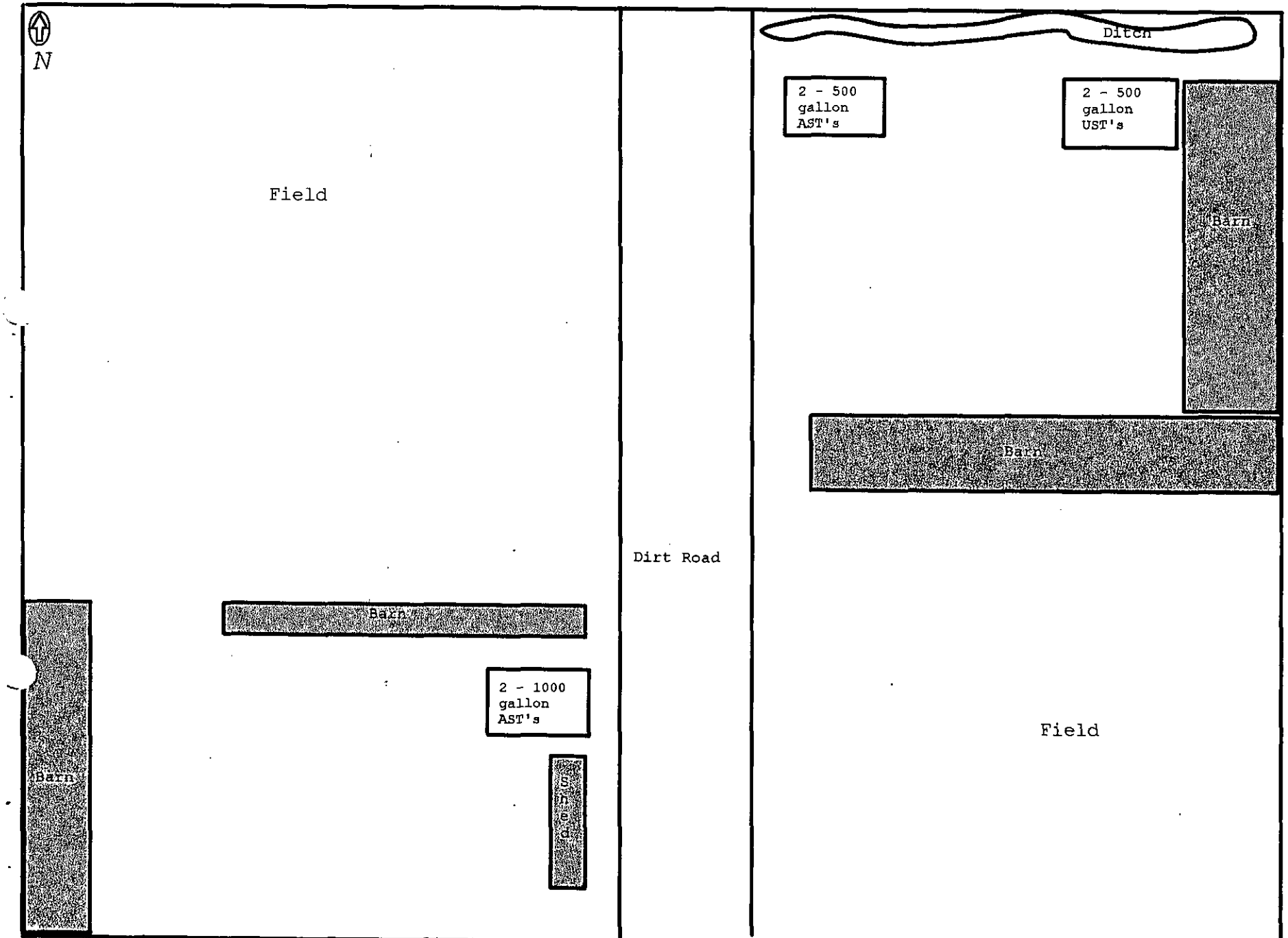
Registration Certification: To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

X Suzi Renehan, A.V.P. Suzi Renehan, A.V.P. 1-23-01
Printed Name & Title Signature Date

DEP 62-761.900(2)

Northwest District 160 Governmental Center Blvd. Pensacola, FL 32501 850-595-8360
Northeast District 7825 Baymeadows Way, Suite B200 Jacksonville, FL 32256 904-448-4300
Central District 3319 Maguire Blvd., Suite 232 Orlando, FL 32803 407-894-7555
Southwest District 2804 Coconut Palm Drive Tampa, FL 33619 813-744-6100
Southeast District 400 North Congress Ave., W Palm Beach, FL 33416 561-681-6600
South District 2295 Victoria Ave., Suite 364 Fort Myers, FL 33901 941-332-6975
Marathon Branch Office 2796 Overseas Hwy., Suite 221 Marathon, FL 33050 305-289-2310


N
18.5'
D
Concrete Slab
Concret Dike
Tank #1
1000 gal
12.5'
C
E
F
Dispenser
A
GW
SS
Tank #2
1000 gal
8'
B
7'
LEGEND
Sample Point
Excavation
soil confirmatory
groundwater confirmatory
First Union - Wolf Ranch
Not to Scale



Wolfe Ranch - Site 1 and Site 2 Overview

Not to Scale

Florida Department of Environmental Protection
Twin Towers Office P[illegible]•2600 Blair Stone Road•Tallahassee, Florida 323[illegible] 400

DEP Form # 62-761.900(5)
Form Title: UST Contractor Form
Effective Date: July 13, 1998

Underground Storage System Installation and Removal Form for Certified Contractors

Pollutant Storage Systems Contractor as defined in Section 489.113, Florida Statutes (certified contractors as defined in Section 62-761.200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the underground storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards. This includes system components such as dispenser liners, piping sumps, and overfill protection devices.

General Facility Information

Facility Name: Wolfe Ranch	DEP Facility Identification No.: 8631076
Street Address (physical location): 6260 Highway 169, St. Augustine, FL 32092	
County: St. Johns	Telephone #: ( )
Owner Name: First Union National Bank as Trustee	Telephone #: (904) 489-1029
Owner Address: 214 North Hogan Street, Jacksonville, FL 32203	

Storage Tank System Information

Number of Tanks Installed: -0-	Number of Tanks Removed: 2
Date Work Initiated: 12/28/00	Date Work Completed: 1/15/01
Tank(s) Manufactured by: Unknown	
Description of work Completed: Removal and disposal of 2 - 1,000 gallon aboveground storage tanks, dispensers and containment area.	

Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Protection; that to the best of my knowledge and belief, the storage tank system installation, replacement or removal at this facility was conducted in accordance with Chapter 489, Florida Statutes, Section 376.303, Florida Statutes, and Chapter 62-761, Florida Administrative Code, and its adopted reference standards and documents for underground storage tank systems.

Environmental Remediation Services, Inc.	PCC048415
(Type or Print) Certified Pollutant Tank Contractor Name	PSSC Number Pollutant Storage Systems Contractor License Number
Charles M. Dunn	2/9/01
Certified Tank Contractor Signature	Date
John Anderson	2/9/01
Field Supervisor Name	Date

The owner or operator of the facility must register the tanks with the Department upon completion of the installation. The installer must submit this form to the County no more than 30 days after the completion of installation, replacement, or removal of a storage tank system.

Department of Environmental Protection

Twin Towers Office Building • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DEP Form 62-761.900(8)
Form Title: Limited Closure Summary Report
Effective Date: July 13, 1998

Limited Closure Summary Report

This form is required for facilities that have sites with documented contamination requiring a site assessment in accordance with Chapter 62-770, F.A.C. This includes those facilities that are eligible for the Early Detection Incentive Program (EDI), the Florida Petroleum Liability and Restoration Insurance Program (FPLRIP), and the Petroleum Cleanup Participation Program (PCPP), pursuant to Sections 376.3071 and 376.3072, F.S. Documentation of procedures followed, and results obtained during closure shall be reported in this form, along with any attachments. This form shall be submitted to the County within 60 days of completion of the closure in accordance with Section A of the "Storage Tank System Closure Assessment Requirements."

Complete All Applicable Blanks. Please Print or Type

General Information

Date 2/9/01	FDEP Facility ID Number 8631076	County St. Johns
Facility Name Wolfe Ranch	Facility Telephone #: ( )	
Facility Address: 6260 Highway 169, St. Augustine, FL 32092		
Owner or Operator Name: First Union National Bank as trustee	Owner/Operator phone #: (904) 489-1029	
Mailing Address: 214 North Hogan Street, Jacksonville, FL 32203		

Storage Tank System Closure Information

1. Were the storage tanks(s): (Check one or both)

☒ Aboveground	☐ Underground

2. General System Information

Types of Products Stored: DIESEL FUEL & GASOLINE	Number of Tanks Closed 2	Age(s) of Tanks 10 years

3. Was the Limited Closure Summary Report Performed as a Result of: (check one or more)

☒ Tank Systems Removal?	☐ Spill Containment Installation?	☐ Change in Storage to a Non-Regulated Substance?
☐ Tank Systems Closed in Place?	☐ Dispenser Liners Installation?	☐ Release Prevention Barrier Installation?
☐ Piping Sump Installation?	☐ Secondary Containment Installation?	☐ Other? (please explain)

4. Please Check Yes or No to the following:

a. Was there previously reported contamination discovered on site? If yes, was	☐ Yes	☒ No
1. A Discharge Report Form submitted to the County?	☐ Yes	☐ No
2. An investigation performed in accordance with Rule 62-761.820, F.A.C.?	☐ Yes	☐ No
b. Is the depth to groundwater less than 20 feet?	☒ Yes	☐ No
c. Are there monitoring wells on site? If yes, were they	☐ Yes	☒ No
1. Groundwater monitoring wells?	☐ Yes	☐ No
2. Vapor monitoring wells?	☐ Yes	☐ No
3. Used for closure assessment sampling?	☐ Yes	☐ No
4. Properly closed?	☐ Yes	☐ No
5. Retained for site assessment purposes?	☐ Yes	☐ No
d. If tanks were replaced, were contaminated soils returned to the tank excavation?	☐ Yes	☒ No

Suzi Reuchan, A.V.P.
Signature of owner or operator

Jayson Smith
Signature of person performing Limited Closure Assessment

Jayson Smith
Name of person performing Limited Closure Assessment

(date) 2-16-01 (date) 2/9/01 Affiliation Environmental Remediation Svcs.

Discharge Report Form

PLEASE PRINT OR TYPE

Form No: [illegible]
Form Title: Discharge Report Form
Effective Date: April 23, 1998

Instructions are on the reverse side. Please complete all applicable blanks

1. Facility ID Number (if registered): 8631076 2. Date of form completion: 1-23-01

3. General information
Facility name or responsible party (if applicable): Wolfe Ranch
Facility Owner or Operator, or Discharger: First Union National Bank as Trustee
Contact Person: Suzi Renehan Telephone Number: (904) 489-1029 County: Duval
Facility or Discharger Mailing Address: 245 N. Hogan St. Jacksonville, Florida 32203
Location of Discharge (street address): 6260 Hwy 16 & Hwy 16 St. Augustine, Florida 32092
Latitude and Longitude of Discharge (if known)

4. Date of receipt of test results or discovery of confirmed discharge: 1-22-01 month/day/year

5. Estimated number of gallons discharged: unknown

6. Discharge affected: [ ] Air [ ] Soil [✓] Groundwater [ ] Drinking water well(s) [ ] Shoreline [ ] Surface water (water body name)

7. Method of discovery (check all that apply)

[ ] Liquid detector (automatic or manual)	[ ] Internal inspection	[✓] Closure/Closure Assessment
[ ] Vapor detector (automatic or manual)	[ ] Inventory control	[✓] Groundwater analytical samples
[ ] Tightness test	[ ] Monitoring wells	[ ] Soil analytical tests or samples
[ ] Pressure test	[ ] Automatic tank gauging	[ ] Visual observation
[ ] Statistical Inventory Reconciliation	[ ] Manual tank gauging	[ ] Other

8. Type of regulated substance discharged: (check one)

[ ] Unknown	[ ] Used/waste oil	[ ] Jet fuel	[ ] Heating oil	[ ] New/lube oil
[ ] Gasoline	[ ] Aviation gas	[✓] Diesel	[ ] Kerosene	[ ] Mineral acid

[ ] Hazardous substance - includes CERCLA substances from USTs above reportable quantities, pesticides, ammonia, chlorine, and derivatives (write in name or Chemical Abstract Service (CAS) number)
[ ] Other

9. Source of Discharge: (check all that apply)

[ ] Dispensing system	[ ] Pipe	[ ] Barge	[ ] Pipeline	[ ] Vehicle
[✓] Tank	[ ] Fitting	[ ] Tanker ship	[ ] Railroad tankcar	[ ] Airplane
[ ] Unknown	[ ] Valve failure	[ ] Other Vessel	[ ] Tank truck	[ ] Drum

[ ] Other

10. Cause of the discharge: (check all that apply)

[ ] Loose connection	[ ] Puncture	[✓] Spill	[ ] Collision	[ ] Corrosion
[ ] Fire/explosion	[ ] Overfill	[ ] Human error	[ ] Vehicle Accident	[ ] Installation failure

[ ] Other

11. Actions taken in response to the discharge: Above ground storage tanks were cleaned out and removed from the storage dike. The dike was torn down and the soil was excavated. The excavation was back filled with clean dirt.

12. Comments:

13. Agencies notified (as applicable):

[ ] State Warning Point 1-800 320-0519	[ ] National Response Center 1-800-424-8802	[ ] Florida Marine Patrol (800) 342-5367	[ ] Fire Department.	[ ] DEP (district/person) [✓] County Tanks Program

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

X Suzi Renehan A.V.P.
Printed Name of Owner, Operator or Authorized Representative, or Discharger

Suzi Renehan A.V.P.
Signature of Owner, Operator or Authorized Representative, or Discharger

Suzi Renehan

Florida Dep...tment of Environmental Prote...n
Twin Towe... ...ice Bldg. • 2600 Blair Stone Road • Tallahassee, Florida ...00

Form Title: Storage Tank Registration Form
Effective Date: July 13, 1998
DEP Application No. _____ (Filled in by DEP)

Storage Tank Facility Registration Form

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes

Please review *Registration Instructions* before completing the form.

Please check all that apply	[ ] New Registration	[ ] New Owner	[ ] New Tanks
	[✓] Facility Info Update/Correction	[ ] Owner Info Update/Correction	[✓] Tank Info Update/Correction

A. FACILITY INFORMATION County: St. Johns DEP Facility ID: 863-0076

Facility Name: Wolfe Ranch
Facility Address: 6260 Hwy 16a & Hwy 16 City: St. Augustine Zip: 32092
Facility Contact: Diane Ross Business Phone: (904) 522-0463
Facility Type(s): _____ NAICS Code: _____ Financial Responsibility: _____

24 Hour Emergency Contact: _____ Emergency Phone: ( )

B. RESPONSIBLE PERSON INFORMATION - Identify individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. Provide additional information in an attachment if necessary.

Name: First Union National Bank of Florida	Facility - Responsible Person Relation Type:	Effective Date
Mail address: 214 N. Hogan St.	[√] Facility Account Owner (pays fees)	
City, ST, Zip: Jacksonville, Florida 32203	Facility Account Owner information must be provided when the facility contains active (in-use) storage tanks on site.	
Contact: Suzi Renehan Asst. Vice President		
Telephone: 904 / 489-1029	STCM Account Number (If known)	
Identify other appropriate facility relationships for this party: [ ] Facility Owner/Operator [✓] Property Owner [ ] Storage Tank Owner		

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date		Construction	Piping	Monitoring
1	T	A	1000	7-1-90	D	T	1-5-01	CK	BA	9
2	T	A	1000	7-1-90	D	T	1-5-01	CK	BA	9

Certified Contractor (performing tank installation or removal): Environmental Remediation Svc. FDPR License No.: PCC048415

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

X Suzi Renehan, A.V.P. Suzi Renehan, A.V.P. 1-23-01
Printed Name & Title Signature Date

DEP 62-761.900(2)

Northwest District
160 Governmental Center Blvd.
Pensacola, FL 32501
850-595-8360

Northeast District
7825 Baymeadows Way
Suite B200
Jacksonville, FL 32256
904-448-4300

Central District
3319 Maguire Blvd.
Suite 232
Orlando, FL 32803
407-894-7555

Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619
813-744-6100

Southeast District
400 North Congress Ave.
W Palm Beach, FL 33416
561-681-6600

South District
2295 Victoria Ave.
Suite 364
Fort Myers, FL 33901
941-332-6975

Marathon Branch Office
2796 Overseas Hwy.
Suite 221
Marathon, FL 33050
305-289-2310

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: Not Required
Manifest Document No.: 00412
2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
Wolfe Ranch % First Union Bank (St. Augt. Fl.)
214 N Hogan St. Jax. Fl. 32203
4. Generator's Phone (904) 489-1029 Contact: Suzi Renehan

5. Transporter 1 Company Name: Environmental Remediation Service
6. US EPA ID Number: FLD984261412

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
Industrial Water Services
1640 Talleyrand Ave
Jax. Fl. 32206
10. US EPA ID Number: FLD981928484

A. Transporter's Phone: 9047414744
B. Transporter's Phone: N/A
C. Facility's Phone: 904

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Haz oily Waste Water	001	TT	00670	G
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information
Job # 3474
IWS Appv. #6600

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: John Anderson (Agent) | Signature | Month 12 | Day 28 | Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jon E Ross | Signature | Month 12 | Day 28 | Year 00

ORIGINAL – RETURN TO GENERATOR

12-BLS-C6 Rev. 4/94

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: Not Required
Manifest Document No.: 3474-1
2. Page 1 of 1

3. Generator's Name and Mailing Address
First Union National Bank
214 N. Hogan St. - Jacksonville, Florida 32203
4. Generator's Phone (904) 489-1029 Contact: Suzi Renehan

Rolt Ranch
St. Augustine

5. Transporter 1 Company Name: Pritchett Trucking
6. US EPA ID Number: Not Required
A. Transporter's Phone: 800/486-7504

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Kedesh Inc.
901 Hwy No. 17 North
Kingsland, Georgia 31548
10. US EPA ID Number: D 9 5 1 0 2 0 1 1 3 1 5
C. Facility's Phone: 912/579-9979

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0023	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above
N/A
TRUCK # 737

E. Handling Codes for Wastes Listed Above
N/A

15. Special Handling Instructions and Additional Information

ERS Project No.3474
ERS Manifest No: 3374-1

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
AGENT JAYSON SMITH	Jayson Smith	10	01	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Barry Ball	Barry Ball	10	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
Not Required	3474-2		

GENERATOR

3. Generator's Name and Mailing Address
First Union National Bank
214 N. Hogan St. Jacksonville, Florida 32203
4. Generator's Phone (904) 489-1029 Contact: Suzi Renehan

Wolf Ranch
St. Augustine

5. Transporter 1 Company Name: Pritchett Trucking
6. US EPA ID Number: Not Required
A. Transporter's Phone: 800/486-7504

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
Kedesh Inc.
901 Hwy No. 17 North
Kingsland, Georgia 31548
10. US EPA ID Number: 2 9 5 1 0 2 0 1 1 3 1 5
C. Facility's Phone: 912/579-9979

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0023	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above
N/A

TRUCK # 729

E. Handling Codes for Wastes Listed Above
N/A

15. Special Handling Instructions and Additional Information

ERS Project No.3474
ERS Manifest No: 3374-2

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

TRANSPORTER

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
AGENT - JAYSON SMITH	Jayson Smith	07	01	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Brian Ball	Brian Ball	07	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

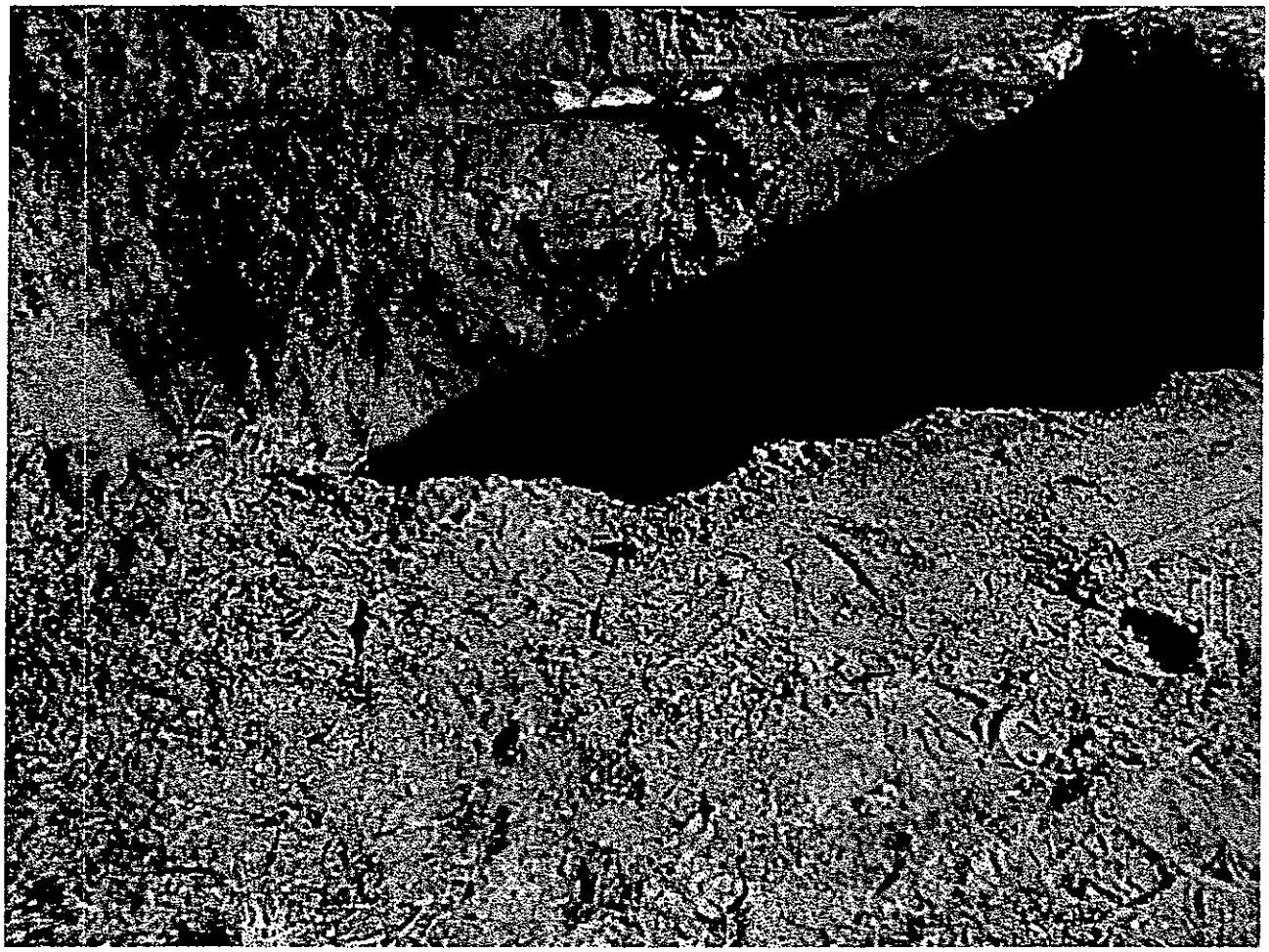
FACILITY

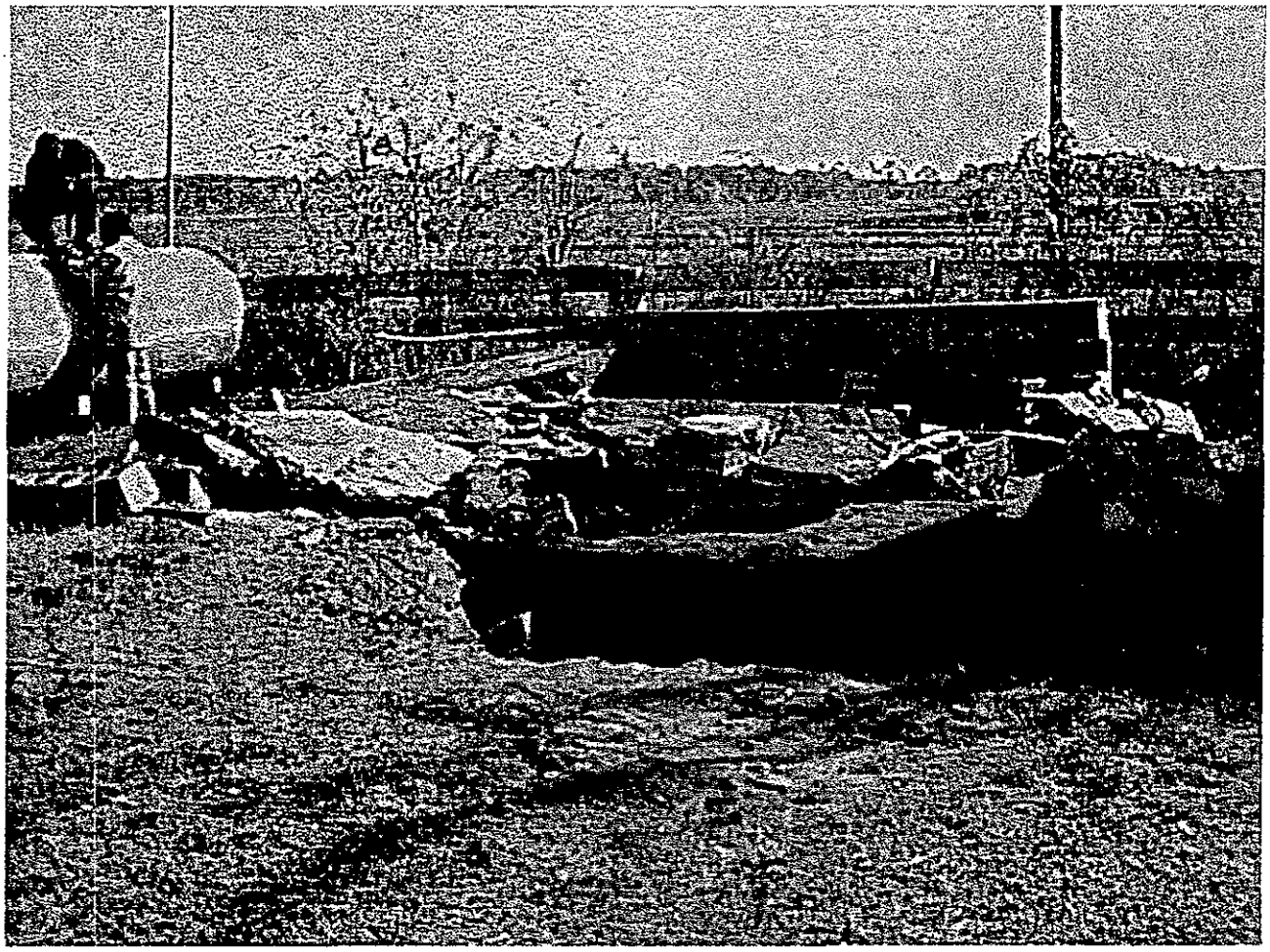
19. Discrepancy Indication Space

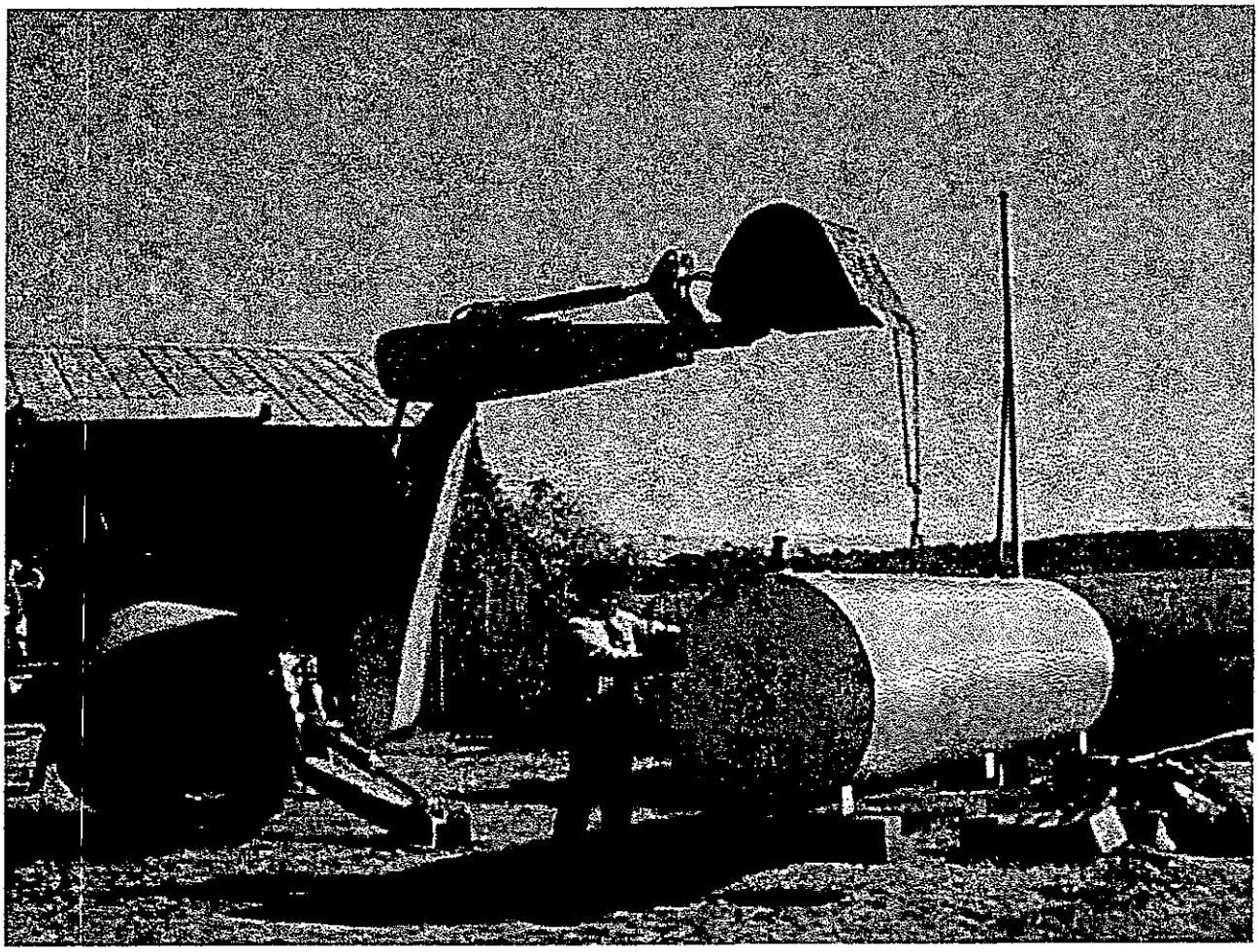
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

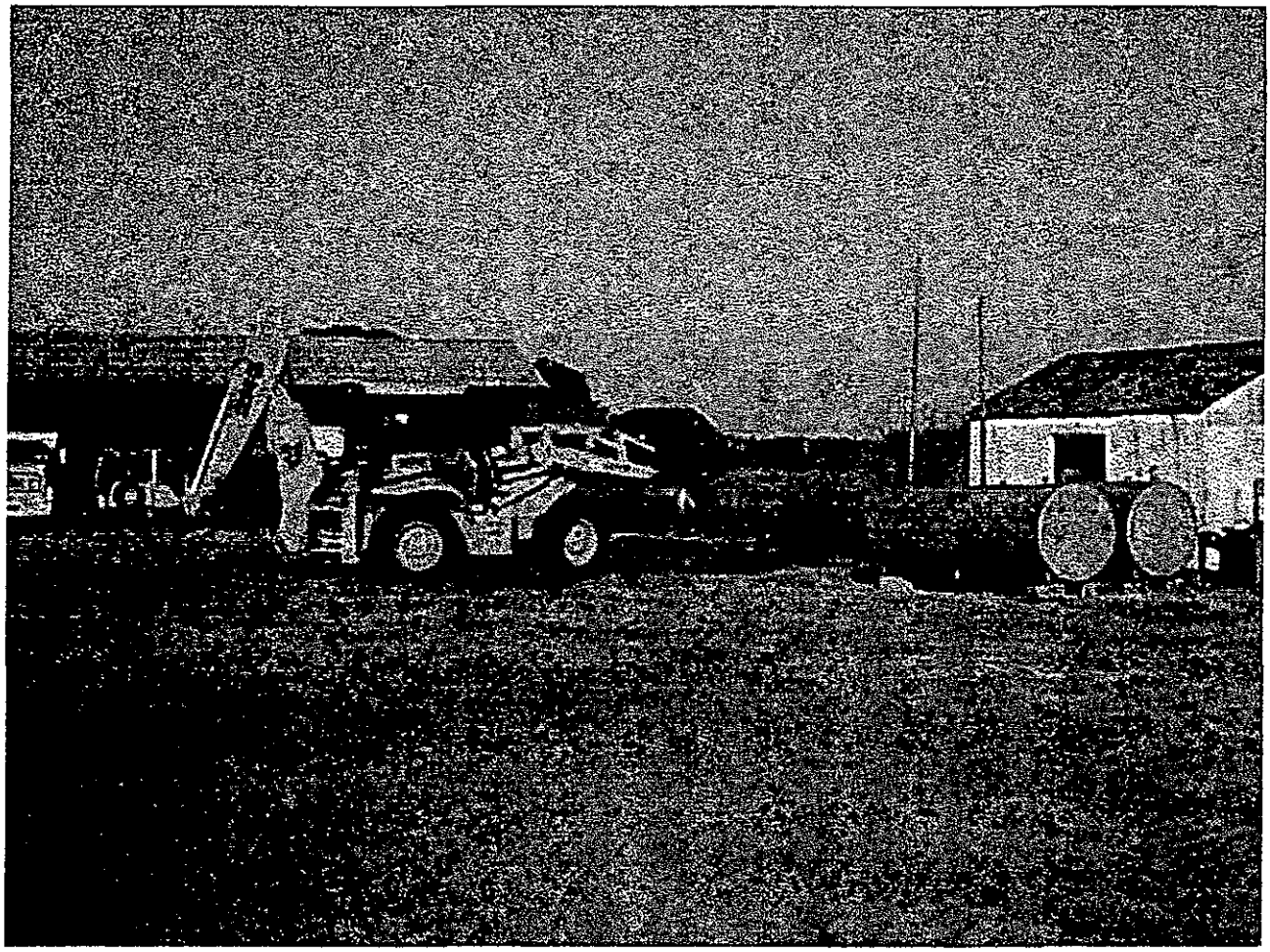
Printed/Typed Name	Signature	Month	Day	Year

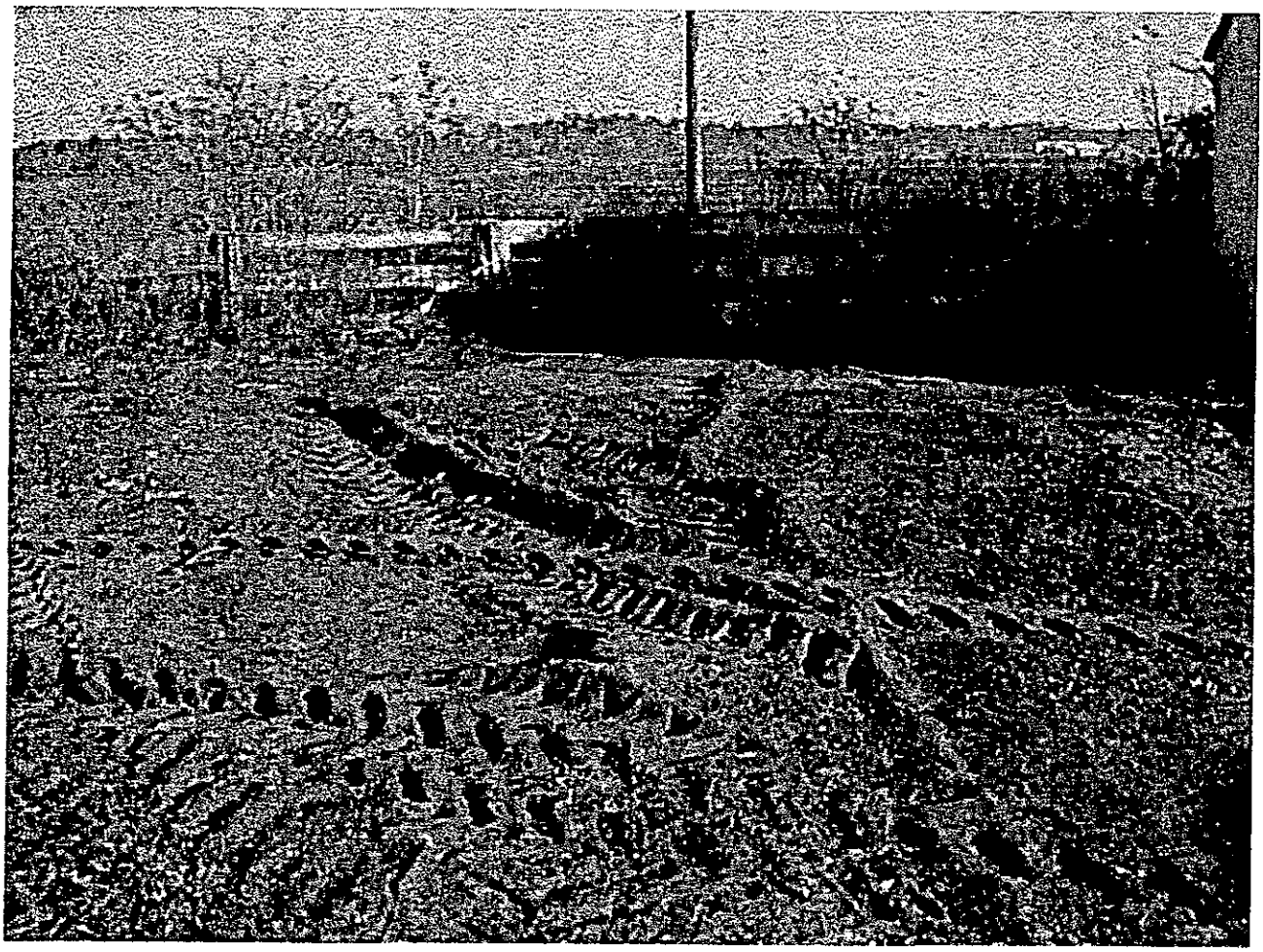
GENERATOR'S COPY











Memorandum

Florida Department of Environmental Protection

To: Timothy Dohaney
Florida Department of Environmental Protection - Northeast District
7825 Baymeadows Way, Suite B200, Jacksonville, Florida 32256-7590

Through: MB Michael Bland, P.G.
Bureau of Petroleum Storage Systems, Petroleum Cleanup Section 4
Mail Station 4580

From: P.G. Paul Gruzlovic, P.G.
Ecology and Environment, Inc., Petroleum Cleanup Section 6
Bureau of Petroleum Storage Systems, Mail Station 4590

Date: December 6, 2001

Subject: Review of Site Assessment Report / NFA Proposal
Wolfe Ranch Site #1
6260 Highway 16A and Highway 16
St. Augustine, St. Johns County
FDEP Facility No. 558631076

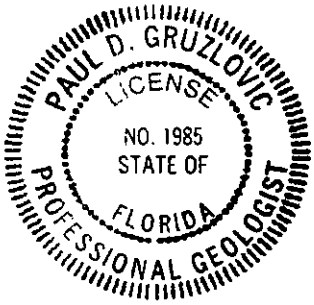
I have reviewed the Site Assessment Report (SAR) that is dated October 24, 2001. The report was received by the FDEP Northeast District on October 24, 2001 and by the Bureau of Petroleum Storage Systems in Tallahassee on October 26, 2001. The report was prepared by Ellis and Associates, Inc. (E&A) for the January 22, 2001 discharge that was discovered during the closure assessment activities for the two 1,000-gallon aboveground storage tanks (ASTs).

A recommendation for No Further Action (NFA) was included in the SAR by E&A. The groundwater and the soil analytical results for the petroleum contaminants of concern were below the groundwater and soil cleanup target levels (CTLs) specified in Chapter 62-777, Florida Administrative Code (F.A.C.). Based upon my review of the report, I have determined that NFA is appropriate for the January 22, 2001 discharge. I recommend that a Site Rehabilitation Completion Order be issued by the FDEP Northeast District for the January 22, 2001 discharge associated with Site #1 of the Wolfe Ranch.

If you have any questions, please contact me by telephone at (850) 877-1133, ext. 17. I can also be contacted by facsimile at (850) 877-1155 or by e-mail at pgruzlovic@ene.com.

Sincerely,

12/6/01



Paul D. Gruzlovic
Professional Geologist
Ecology and Environment, Inc.
Petroleum Cleanup Section 6
Bureau of Petroleum Storage Systems

10080

DEPARTMENT OF ENVIRONMENTAL PROTECTION

INTEROFFICE MEMORANDUM

TO: Michael Bland - 4580
TO:
TO:
TO:

NORTHEAST DISTRICT - JACKSONVILLE

RECEIVED
01 OCT 26 PM 3:45
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE CLEANUP
PETROLEUM CLEANUP SYSTEMS
CENTRAL DISTRICT

TO: Michael Bland, P.G. - BPSS, Petroleum Cleanup Section #4

FROM: Timothy J. Dohaney - Envir. Manager, NED Tanks Program

TJD

DATE: October 25, 2001

SUBJECT: Request for Technical Review – Non Program Site
Site Assessment Report (SAR)
Wolfe Ranch Site #1 – 6260 Hwy. 16A, St. Augustine
DEP Facility # 55/8631076

TEAM 6
OCT 29 2001
Ecology & Environment

Please find enclosed a Site Assessment Report (SAR), dated October 24, 2001, received at this office on the same date for the above referenced facility. It is requested that this report be assigned for technical review and that the review comments be sent to this office for distribution once the review is complete. To assist in the review of the SAR please find enclosed supporting information, which had been previously reviewed by or prepared at this office:

- 2/6/2001 - TCAR

Please let me know if additional information is needed. If you have any questions, you may contact **Lynal DeFalco** or me at S/C 804-3300.

TJD:sr / Enclosures

ENVIRONMENTAL REMEDIATION SERVICES, INC.

'01 MAR 2 PM 2 41
STATE OF FLORIDA
DEP - NE DISTRICT
JACKSONVILLE

TANK CLOSURE REPORT
WOLFE RANCH - AST
6260 Hwy 16a & Hwy 16
ST. AUGUSTINE, FLORIDA 32092

Prepared for:

First Union National Bank
214 N. Hogan St.
Jacksonville, Florida 32203

February 6, 2001

P.O. Box 351419
Jacksonville, FL 32235-1419

Phone (904) 741-4744
Fax (904) 741-3013

14600 Duval Place West • Suite 502
Jacksonville, FL 32218

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Appendix B - Forms and Disposal Documentation

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Table 1 - OVA-PID Results of Wolfe Ranch - AST

LIST OF FIGURES

Figure 1 - Site Map of Wolfe Ranch - AST

Figure 2 - Photo Documentation

INTRODUCTION

Environmental Remediation Services, Inc. (ERS) was contracted by First Union National Bank in December of 2000 to clean two 1,000 gallon aboveground storage tanks (AST) containing petroleum products, disconnect dispensers and dispose of waste materials. The AST's are on site at the Wolfe Ranch located at 6260 Hwy 16a & Hwy 16 in St. Augustine, Florida. The scope of work consisted of degreasing and pressure washing the AST's and moving them to a new location, screening soil with an organic vapor analyzer photoionization detector (OVA-PID), excavation of petroleum impacted soil, groundwater and soil sampling, and closure report preparation.

SOIL ASSESSMENT

Samples were collected at four locations around the containment dike and one on the wall going underneath the containment dike. Samples were taken at one foot intervals to the groundwater table and screened in accordance with the methods established in Chapter 62-761, Florida Administrative Code (F.A.C.). During the soil sampling performed on January 4, 2001 we encountered the water table at a depth of 3 feet. Two out of the five OVA-PID field screening samples read over 10 parts per million (ppm) which were located at the fuel dispenser station. The containment dike was torn down and two more screening samples were taken. These samples also read over 10 ppm. The impacted areas were excavated to the groundwater table. The excavated area measured approximately 13 and 7 feet in width, 8 feet in length and 4 feet in depth. Once the excavation was complete a soil sample was taken from the "worst case" screening point and taken to Advanced Environmental Laboratories in Jacksonville, Florida for analysis. A copy of the analytical results are presented in Appendix A. All samples collected during this AST assessment were collected in accordance with our comprehensive quality assurance plan on file with the Florida Department of Environmental Protection (QA-001/92).

GROUNDWATER ASSESSMENT

Groundwater was encountered at 3 ft below land surface. ERS installed one temporary well located at the "worst case" screening point to collect groundwater samples. These groundwater samples were taken to Advanced Environmental Laboratories in Jacksonville, Florida for analysis. All samples were collected in accordance with our comprehensive quality assurance plan on file with the Florida Department of Environmental Protection (QA-001/92). Confirmatory groundwater analytical results are presented in Appendix A.

AST REMOVAL AND CLEANING

The AST's were first opened at the man covers and the remaining fuel was pumped out. Once the AST's were pumped out they were cleaned with a degreasing solution and high pressure washing unit to remove the oily residue. The AST's were then moved from the containment dike and placed off to the side. Appendix B includes, a Limited Closure Summary Report, a Discharge Report Form, a Underground Storage System Installation and Removal Form for Certified Contractors and a Storage Tank Facility Registration Facility Form. Also included in the appendix is the non-hazardous waste manifest for the disposal of oily waste water and petroleum impacted soil.

Advanced
Environmental Laboratories, Inc.

8936 Western Way • Suite 7
Jacksonville, Florida 32256
(904) 363-9350
FAX (904) 363-9354

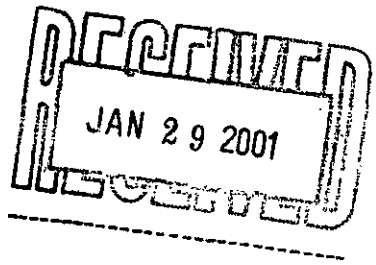
Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Project No.:	3474	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
Address:	P.O. Box 314519 Jacksonville, FL 32235	**Project Chemist:**	KB/KC/PW
		Page No.:	1 of 5
Attention:	Jessica Antonacci		

Sample Description

The following soil samples were submitted by Environmental Remediation Services, Inc. on 1/11/01 for analysis outlined on the attached Chain of Custody:

Project Name: First Union/ WolfRanch
Project #: 3474

1. AST 1 @ 14:00
2. AST 1 @ 11:50



Approved by: Jolene C Warnke-Roszel

Jolene C Warnke-Roszel, Project Manager

HRS# 82533,E82574
DEP# 940242

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	2 of 5

Volatile Halocarbons & Aromatic Hydrocarbons
EPA Method 5035/8021
Units: µg/Kg

		Lab Code:	J010101-1	J010088-mb
		Dilution Factor:	1	1
		Date Analyzed:	1/12/01	1/12/01
Analytes	**MRL**	**Sample Name:**	**AST 1**	**Method Blank**
Dichlorodifluoromethane	5		U	U
Chloromethane	5		U	U
Vinyl Chloride	5		U	U
Bromomethane	5		U	U
Chloroethane	5		U	U
Trichlorofluoromethane	5		U	U
1,1-Dichloroethene	5		U	U
Methylene Chloride	5		U	U
Methyl-*tert*-butyl Ether	5		U	U
trans-1,2-Dichloroethene	5		U	U
1,1-Dichloroethane	5		U	U
Chloroform	5		U	U
1,1,1-Trichloroethane	5		U	U
Carbon Tetrachloride	5		U	U
1,2-Dichloroethane	5		U	U
Benzene	5		U	U
Trichloroethene	5		U	U
1,2-Dichloropropane	5		U	U
Bromodichloromethane	5		U	U
cis-1,3-Dichloropropene	5		U	U
Toluene	5		U	U
trans-Dichloropropene	5		U	U
1,1,2-Trichloroethane	5		U	U
Tetrachloroethene	5		U	U
Dibromochloromethane	5		U	U
Chlorobenzene	5		U	U
Ethylbenzene	5		U	U
m&p-Xylenes	5		U	U
o-Xylene	5		U	U
Bromoform	5		U	U
1,1,2,2-Tetrachloroethane	5		U	U
1,3-Dichlorobenzene	5		U	U
1,4-Dichlorobenzene	5		U	U
1,2-Dichlorobenzene	5		U	U
Cis 1,2-Dichlorothene	5		U	U
Surrogates	**Acceptance Limits**		**Percent Recovery**	**Percent Recovery**
1,2-Dichloroethane-d4	80-120		83	103
Toluene-d8	81-117		94	102
4-Bromofluorobenzene	74-121		91	96

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	3 of 5

Polynuclear Aromatic Hydrocarbons
EPA Methods 3550B/8270C
Units: mg/Kg

		Lab Code:	J010101-2	J010073-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/12/01	1/12/01
		Date Analyzed:	1/15/01	1/15/01
Analytes	**MRL**	**Sample Name:**	**AST 1**	**Method Blank**
Naphthalene	0.100		**1.68**	U
2-Methylnaphthalene	0.100		**8.84**	U
1-Methylnaphthalene	0.100		**6.27**	U
Acenaphthylene	0.100		**0.189**	U
Acenaphthene	0.100		**0.734**	U
Fluorene	0.100		**1.58**	U
Phenanthrene	0.100		**4.61**	U
Anthracene	0.100		**1.13**	U
Fluoranthene	0.100		**0.216**	U
Pyrene	0.100		**1.10**	U
Benzo(a)anthracene	0.100		U	U
Chrysene	0.100		U	U
Benzo(b)fluoranthene	0.100		U	U
Benzo(k)Fluoranthene	0.100		U	U
Benzo(a)pyrene	0.100		U	U
Indeno-1,2,3(cd)pyrene	0.100		U	U
Dibenzo(ah)anthracene	0.100		U	U
Benzo(ghi)perylene	0.100		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
2-Fluorobiphenyl	43-130	57	71

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	4 of 5

Florida Petroleum Residual Organics
EPA Method 3550B/FL-PRO
Units:mg/kg

		Lab Code:	J010101-2	J010073-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/12/01	1/12/01
		Date Analyzed:	1/15/01	1/15/01
Analytes	**MRL**	**Sample Name:**	**AST 1**	**Method Blank**
Octane (C_8)	0.250		U	U
Decane (C_{10})	0.250		U	U
Dodecane (C_{12})	0.250		**11.8**	U
Tetradecane (C_{14})	0.250		**21.9**	U
Hexadecane (C_{16})	0.250		**26.3**	U
Octadecane (C_{18})	0.250		**28.4**	U
Eicosane(C_{20})	0.250		**51.6**	U
Docosane (C_{22})	0.250		**49.3**	U
Tetracosane (C_{24})	0.250		**5.16**	U
Hexacosane (C_{26})	0.250		**1.03**	U
Octacosane (C_{28})	0.250		U	U
Triacontane (C_{30})	0.250		U	U
Dotriacontane (C_{32})	0.250		U	U
Tetratriacontane (C_{34})	0.250		U	U
Hexatriacontane (C_{36})	0.250		U	U
Octatriacontane (C_{38})	0.250		U	U
Tetracontane (C_{40})	0.250		U	U
TOTAL PHS	4.00		**854**	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Ortho-terphenyl (OTP)	42-142	88	74
Nonatricontane (C39)	60-118	64	67

U Not detected above the MRL
MRL Method Reporting Limit

Advanced Environmental Laboratory Inc.

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	5 of 5

Total Lead
EPA Method 6010B
Units: mg/kg

Sample Name	Lab Code	Date Analyzed	MRL	Sample Result
AST 1	J010101-2	1/12/01	0.50	**4.18**
Method Blank	J010101-mb	1/12/01	0.50	U

U Not detected above the MRL
MRL Method Reporting Limit

Advanced Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

☒ Jacksonville: 8936 Western Way, Suite 7, Jacksonville, FL 32256 • (904) 363-9350 Fax (904) 363-9354
☐ Tampa: 5810-D Breckenridge Parkway, Tampa, FL 33610 • (813) 630-9616 Fax (813) 630-4327
☐ Gainesville: 2106 NW 67th Place, Suite 7, Gainesville, FL 32606 • (352) 367-1500 Fax (352) 367-0050

JOB NUMBER: 5010101

CLIENT NAME: Environmental Remediation Services	PROJECT NAME: First Union
ADDRESS: 14600 Duval Place West, Suite 502	P.O. NUMBER / PROJECT NUMBER: 3692-4 / 3474
Jacksonville, Florida 32218	PROJECT LOCATION: Wolf Ranch ASTs
PHONE: 904 741-4744 FAX: 904 741-3013	SAMPLED BY: Jessica / Sophon / Jayson
CONTACT: Jessica Antonacci	SPECIAL INSTRUCTIONS:

TURN AROUND TIME or RESULTS DUE BY:

☒ STANDARD ☐ VERBAL_____

☐ RUSH_____ ☐ FAX_____

☐ OTHER_____ ☐ HARD COPY_____

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAIN.	8021 HFA	EL-PRO	8310 (PAH)	6010 (Pb)	TCLP			LAB USE
PRESERVATIVE													
CONTAINER SIZE AND TYPE						(2) Sym. 2oz. G	8oz. G	8oz. G	8oz. G	8oz. G			
1	confirmatory soil - AST 1	1-9-01	1400	SO	3	X							-1
2	confirmatory soil - AST 1	1-10-01	1150	SO	2		X	X	X	X			-2
3	confirmatory soil - AST 2	1-10-01	1620	SO	5	X	X	X	X	X			-3
4	confirmatory soil - AST 3	1-10-01	1620	SO	5	X	X	X	X	X			-4

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:

TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
1	Jessica Antonacci	Lisa Andrews	1/11/01	1207
2				
3				
4				

CONTAINERS/SEALS INTACT ☒ YES ☐ NO | ON ICE/4°C ☒ YES ☐ NO | SHIPPED VIA: Client

DISTRIBUTION: White—Client Copy Yellow—Lab Copy Pink—Sample Copy

Advanced
Environmental Laboratories, Inc.

8936 Western Way • Suite 7
Jacksonville, Florida 32256
(904) 363-9350
FAX (904) 363-9354

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/WolfRanch	**Date Sampled:**	Various
Project No.:	3692-4/3474	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
Address:	P.O. Box 351419 Jacksonville, FL 32235-1419	**Project Chemist:**	KB/KC/PW
		Page No.:	1 of 6
Attention:	Jessica Antonacci		

Sample Description

The following water samples were submitted by Environmental Remediation Services, Inc. on 1/11/01 for analysis outlined on the attached Chain of Custody:

Project Name: First Union
Project #: 3692-4/3474

1. AST-TW-1 @ 11:15;1/10/01

Approved by: _____
Jolene C. Warnke-Roszel, Project Manager

HRS# 82533,E82574
DEP# 940242

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	2 of 6

Volatile Halocarbons & Aromatic Hydrocarbons
EPA Method 5035/8260H+A
Units: µg/L

		Lab Code:	J010100-1	J010098-mb
		Dilution Factor:	1	1
		Date Analyzed:	1/13/01	1/13/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Cis 1,2-Dichlorothene	1		U	U
Dichlorodifluoromethane	1		U	U
Chloromethane	1		U	U
Vinyl Chloride	1		U	U
Bromomethane	1		U	U
Chloroethane	1		U	U
Trichlorofluoromethane	1		U	U
1,1-Dichloroethene	1		U	U
Methylene Chloride	1		U	U
Methyl-*tert*-butyl Ether	1		U	U
trans-1,2-Dichloroethene	1		U	U
1,1-Dichloroethane	1		U	U
Chloroform	1		U	U
1,1,1-Trichloroethane	1		U	U
Carbon Tetrachloride	1		U	U
1,2-Dichloroethane	1		U	U
Benzene	1		U	U
Trichloroethene	1		U	U
1,2-Dichloropropane	1		U	U
Bromodichloromethane	1		U	U
cis-1,3-Dichloropropene	1		U	U
Toluene	1		U	U
trans-Dichloropropene	1		U	U
1,1,2-Trichloroethane	1		U	U
Tetrachloroethene	1		U	U
Dibromochloromethane	1		U	U
Chlorobenzene	1		U	U
Ethylbenzene	1		U	U
m&p-Xylenes	1		1.7	U
o-Xylene	1		U	U
Bromoform	1		U	U
1,1,2,2-Tetrachloroethane	1		U	U
1,3-Dichlorobenzene	1		U	U
1,4-Dichlorobenzene	1		U	U
1,2-Dichlorobenzene	1		U	U
Surrogates	**Acceptance Limits**		**Percent Recovery**	**Percent Recovery**
1,2-Dichloroethane-d4	80-120		110	91
Toluene-d8	88-110		101	97
4-Bromofluorobenzene	86-115		93	95

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	3 of 6

Polynuclear Aromatic Hydrocarbons
EPA Methods 3510C/8310
Units: ug/L

		Lab Code:	J010100-1	J010098-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/12/01	1/12/01
		Date Analyzed:	1/17/01	1/17/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Acenaphthylene	1		U	U
Naphthalene	1		**5.56**	U
Acenaphthene	1		U	U
2-Methylnaphthalene	1		**36.9**	U
1-Methylnaphthalene	1		**11.6**	U
Fluorene	1		**2.18**	U
Phenanthrene	1		U	U
Anthracene	1		U	U
Fluoranthene	1		U	U
Pyrene	1		U	U
Benzo(a)anthracene	0.2		U	U
Chrysene	1		U	U
Benzo(b)fluoranthene	0.2		U	U
Benzo(k)fluoranthene	0.5		U	U
Benzo(a)pyrene	0.2		U	U
Dibenzo(ah)anthracene	0.2		U	U
Indeno-1,2,3(cd)pyrene	0.2		U	U
Benzo(ghi)perylene	1		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Decafluorobiphenyl	20-115	82	111

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	4 of 6

Florida Petroleum Residual Organics
EPA Method 3510C/FL-PRO
Units: µg/L

		Lab Code:	J010100-1	J010100-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/17/01	1/17/01
		Date Analyzed:	1/17/01	1/17/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Octane (C_8)	10		U	U
Decane (C_{10})	10		U	U
Dodecane (C_{12})	10		U	U
Tetradecane (C_{14})	10		U	U
Hexadecane (C_{16})	10		U	U
Octadecane (C_{18})	10		U	U
Eicosane(C_{20})	10		U	U
Docosane (C_{22})	10		U	U
Tetracosane (C_{24})	10		U	U
Hexacosane (C_{26})	10		U	U
Octacosane (C_{28})	10		U	U
Triacosane (C_{30})	10		U	U
Dotriacotane (C_{32})	10		U	U
Tetratriacontane (C_{34})	10		U	U
Hexatriacotane (C_{36})	10		U	U
Octatriacotane (C_{38})	10		U	U
Tetracotane (C_{40})	10		U	U
TOTAL PHS	200		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Ortho-terphenyl (OTP)	42-142	43	99
Nonatria-contane (C39)	42-193	66	100

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/ Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	5 of 6

Ethylene Dibromide
EPA Method 504.1
Units: µg/L

		Lab Code:	J010100-1	J010100-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/17/01	1/17/01
		Date Analyzed:	1/18/01	1/18/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Ethylene Dibromide (EDB)	0.02		U	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.02		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Tetrachloro-*m*-xylene	15-131	103	111

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	6 of 6

Total Lead
EPA Method 6010B
Units: mg/L

Sample Name	Lab Code	Date Analyzed	MRL	Sample Result
AST-TW-1	J010100-1	1/12/01	0.005	**0.42** OK
Method Blank	J010090-mb	1/12/01	0.005	U

U Not detected above the MRL
MRL Method Reporting Limit

OVA-PID Screening Results:

First Union / Wolfe Ranch AST
6260 Hwy 16a & Hwy 16
St. Augustine, Florida 32092

Re: Wolfe Ranch AST OVA-PID Screening Results

Sample Location	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)
A	1	1.7	2	5.0	3*	24.0	4*	2.3
A-wall	1	96	2	88.5	3*	14.9		
B	1	2.2	2	2.4	3*	1.7		
C	1	1.7	2	2.0	3*	1.9		
D	1	1.6	2	1.5	3*	2.1		
E	1	46	2	26	3*	17	4*	2.6
F	1	40	2	21	3*	12	4*	5.0

ppm = parts per million
ft-bls = feet below land surface

* = groundwater and excavation completion

Florida Department of Environmental Protection

Twin Tower[s] e Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32[illegible] '00

Storage Tank Facility Registration Form

DEP Form # 62-761.900(2)
Form Title: Storage Tank Registration Form
Effective Date: July 13, 1998
DEP Application No. _____ (Filled in by DEP)

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes

Please review Registration Instructions before completing the form.

Please check all that apply:	[ ] New Registration	[ ] New Owner	[ ] New Tanks
	[✓] Facility Info Update/Correction	[ ] Owner Info Update/Correction	[✓] Tank Info Update/Correction

A. FACILITY INFORMATION County: St. Johns DEP Facility ID: 8635676

Facility Name: Wolfe Ranch
Facility Address: 6260 Hwy 16A & Hwy 16 City: St. Augustine Zip: 32092
Facility Contact: Diane Ross Business Phone: (904) 522-0463
Facility Type(s): _____ NAICS Code: _____ Financial Responsibility: _____

24 Hour Emergency Contact: _____ Emergency Phone: ( )

B. RESPONSIBLE PERSON INFORMATION - Identify individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. Provide additional information in an attachment if necessary.

Name: First Union National Bank as Trustee	Facility - Responsible Person Relation Type:	Effective Date
Mail address: 214 N. Hogan St.	[✓] Facility Account Owner (pays fees)	
City, ST, Zip: Jacksonville, Florida 32203	Facility Account Owner information must be provided when the facility contains active (in-use) storage tanks on site.	
Contact: Suzi Renehan Asst. Vice President		
Telephone: 904/489-1029	STCM Account Number (if known)	
Identify other appropriate facility relationships for this party: [ ] Facility Owner/Operator [✓] Property Owner [ ] Storage Tank Owner		

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date	Construction	Piping	Monitoring
1	T	A	1000	1-1-90	D	T 1-5-01	CK	SA	Q
2	T	A	1000	1-1-90	D	T 1-5-01	CK	SA	Q

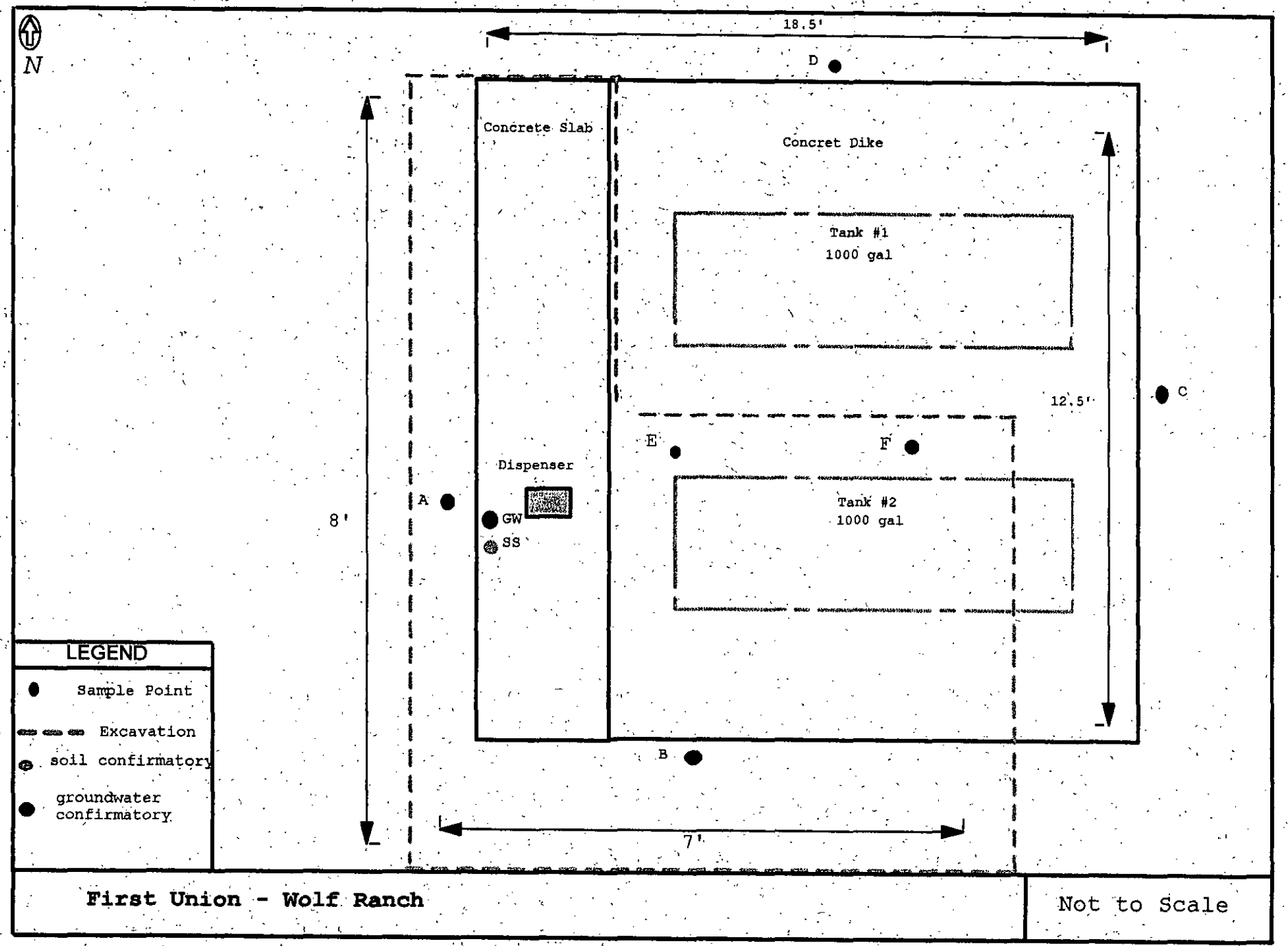
Certified Contractor (performing tank installation or removal): Environmental Remediation Svc. DBPR License No.: PCC048415

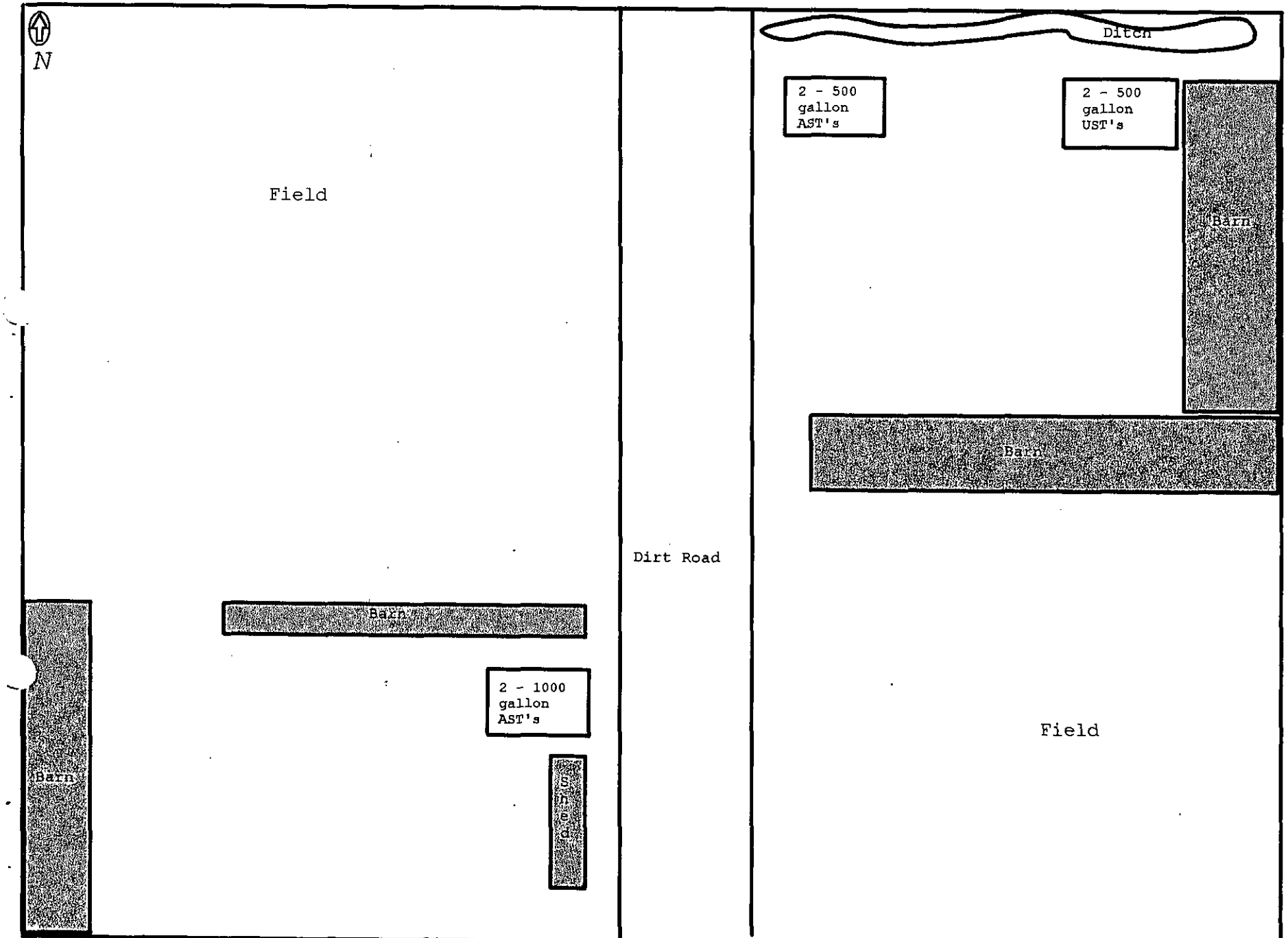
Registration Certification: To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

X Suzi Renehan, A.V.P. Suzi Renehan, A.V.P. 1-23-01
Printed Name & Title Signature Date

DEP 62-761.900(2)

Northwest District 160 Governmental Center Blvd. Pensacola, FL 32501 850-595-8360
Northeast District 7825 Baymeadows Way, Suite B200 Jacksonville, FL 32256 904-448-4300
Central District 3319 Maguire Blvd., Suite 232 Orlando, FL 32803 407-894-7555
Southwest District 2804 Coconut Palm Drive Tampa, FL 33619 813-744-6100
Southeast District 400 North Congress Ave., W Palm Beach, FL 33416 561-681-6600
South District 2295 Victoria Ave., Suite 364 Fort Myers, FL 33901 941-332-6975
Marathon Branch Office 2796 Overseas Hwy., Suite 221 Marathon, FL 33050 305-289-2310


N
18.5'
D
Concrete Slab
Concret Dike
Tank #1
1000 gal
12.5'
C
E
F
Dispenser
A
GW
SS
Tank #2
1000 gal
8'
B
7'
LEGEND
Sample Point
Excavation
soil confirmatory
groundwater confirmatory
First Union - Wolf Ranch
Not to Scale



Wolfe Ranch - Site 1 and Site 2 Overview

Not to Scale

Florida Department of Environmental Protection
Twin Towers Office P[illegible]•2600 Blair Stone Road•Tallahassee, Florida 323[illegible] 400

DEP Form # 62-761.900(5)
Form Title: UST Contractor Form
Effective Date: July 13, 1998

Underground Storage System Installation and Removal Form for Certified Contractors

Pollutant Storage Systems Contractor as defined in Section 489.113, Florida Statutes (certified contractors as defined in Section 62-761.200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the underground storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards. This includes system components such as dispenser liners, piping sumps, and overfill protection devices.

General Facility Information

Facility Name: Wolfe Ranch	DEP Facility Identification No.: 8631076
Street Address (physical location): 6260 Highway 169, St. Augustine, FL 32092	
County: St. Johns	Telephone #: ( )
Owner Name: First Union National Bank as Trustee	Telephone #: (904) 489-1029
Owner Address: 214 North Hogan Street, Jacksonville, FL 32203	

Storage Tank System Information

Number of Tanks Installed: -0-	Number of Tanks Removed: 2
Date Work Initiated: 12/28/00	Date Work Completed: 1/15/01
Tank(s) Manufactured by: Unknown	
Description of work Completed: Removal and disposal of 2 - 1,000 gallon aboveground storage tanks, dispensers and containment area.	

Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Protection; that to the best of my knowledge and belief, the storage tank system installation, replacement or removal at this facility was conducted in accordance with Chapter 489, Florida Statutes, Section 376.303, Florida Statutes, and Chapter 62-761, Florida Administrative Code, and its adopted reference standards and documents for underground storage tank systems.

Environmental Remediation Services, Inc.	PCC048415
(Type or Print) Certified Pollutant Tank Contractor Name	PSSC Number Pollutant Storage Systems Contractor License Number
Charles M. Dunn	2/9/01
Certified Tank Contractor Signature	Date
John Anderson	2/9/01
Field Supervisor Name	Date

The owner or operator of the facility must register the tanks with the Department upon completion of the installation. The installer must submit this form to the County no more than 30 days after the completion of installation, replacement, or removal of a storage tank system.

Department of Environmental Protection

Twin Towers Office Building • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DEP Form 62-761.900(8)
Form Title: Limited Closure Summary Report
Effective Date: July 13, 1998

Limited Closure Summary Report

This form is required for facilities that have sites with documented contamination requiring a site assessment in accordance with Chapter 62-770, F.A.C. This includes those facilities that are eligible for the Early Detection Incentive Program (EDI), the Florida Petroleum Liability and Restoration Insurance Program (FPLRIP), and the Petroleum Cleanup Participation Program (PCPP), pursuant to Sections 376.3071 and 376.3072, F.S. Documentation of procedures followed, and results obtained during closure shall be reported in this form, along with any attachments. This form shall be submitted to the County within 60 days of completion of the closure in accordance with Section A of the "Storage Tank System Closure Assessment Requirements."

Complete All Applicable Blanks. Please Print or Type

General Information

Date 2/9/01	FDEP Facility ID Number 8631076	County St. Johns
Facility Name Wolfe Ranch	Facility Telephone #: ( )	
Facility Address: 6260 Highway 169, St. Augustine, FL 32092		
Owner or Operator Name: First Union National Bank as trustee	Owner/Operator phone #: (904) 489-1029	
Mailing Address: 214 North Hogan Street, Jacksonville, FL 32203		

Storage Tank System Closure Information

1. Were the storage tanks(s): (Check one or both)

☒ Aboveground	☐ Underground

2. General System Information

Types of Products Stored: DIESEL FUEL & GASOLINE	Number of Tanks Closed 2	Age(s) of Tanks 10 years

3. Was the Limited Closure Summary Report Performed as a Result of: (check one or more)

☒ Tank Systems Removal?	☐ Spill Containment Installation?	☐ Change in Storage to a Non-Regulated Substance?
☐ Tank Systems Closed in Place?	☐ Dispenser Liners Installation?	☐ Release Prevention Barrier Installation?
☐ Piping Sump Installation?	☐ Secondary Containment Installation?	☐ Other? (please explain)

4. Please Check Yes or No to the following:

a. Was there previously reported contamination discovered on site? If yes, was	☐ Yes	☒ No
1. A Discharge Report Form submitted to the County?	☐ Yes	☐ No
2. An investigation performed in accordance with Rule 62-761.820, F.A.C.?	☐ Yes	☐ No
b. Is the depth to groundwater less than 20 feet?	☒ Yes	☐ No
c. Are there monitoring wells on site? If yes, were they	☐ Yes	☒ No
1. Groundwater monitoring wells?	☐ Yes	☐ No
2. Vapor monitoring wells?	☐ Yes	☐ No
3. Used for closure assessment sampling?	☐ Yes	☐ No
4. Properly closed?	☐ Yes	☐ No
5. Retained for site assessment purposes?	☐ Yes	☐ No
d. If tanks were replaced, were contaminated soils returned to the tank excavation?	☐ Yes	☒ No

Suzi Reuchan, A.V.P.
Signature of owner or operator

Jayson Smith
Signature of person performing Limited Closure Assessment

Jayson Smith
Name of person performing Limited Closure Assessment

(date) 2-16-01 (date) 2/9/01 Affiliation Environmental Remediation Svcs.

Discharge Report Form

PLEASE PRINT OR TYPE

Form No: [illegible]
Form Title: Discharge Report Form
Effective Date: April 23, 1998

Instructions are on the reverse side. Please complete all applicable blanks

1. Facility ID Number (if registered): 8631076 2. Date of form completion: 1-23-01

3. General information
Facility name or responsible party (if applicable): Wolfe Ranch
Facility Owner or Operator, or Discharger: First Union National Bank as Trustee
Contact Person: Suzi Renehan Telephone Number: (904) 489-1029 County: Duval
Facility or Discharger Mailing Address: 245 N. Hogan St. Jacksonville, Florida 32203
Location of Discharge (street address): 6260 Hwy 16 & Hwy 16 St. Augustine, Florida 32092
Latitude and Longitude of Discharge (if known)

4. Date of receipt of test results or discovery of confirmed discharge: 1-22-01 month/day/year

5. Estimated number of gallons discharged: unknown

6. Discharge affected: [ ] Air [ ] Soil [✓] Groundwater [ ] Drinking water well(s) [ ] Shoreline [ ] Surface water (water body name)

7. Method of discovery (check all that apply)

[ ] Liquid detector (automatic or manual)	[ ] Internal inspection	[✓] Closure/Closure Assessment
[ ] Vapor detector (automatic or manual)	[ ] Inventory control	[✓] Groundwater analytical samples
[ ] Tightness test	[ ] Monitoring wells	[ ] Soil analytical tests or samples
[ ] Pressure test	[ ] Automatic tank gauging	[ ] Visual observation
[ ] Statistical Inventory Reconciliation	[ ] Manual tank gauging	[ ] Other

8. Type of regulated substance discharged: (check one)

[ ] Unknown	[ ] Used/waste oil	[ ] Jet fuel	[ ] Heating oil	[ ] New/lube oil
[ ] Gasoline	[ ] Aviation gas	[✓] Diesel	[ ] Kerosene	[ ] Mineral acid

[ ] Hazardous substance - includes CERCLA substances from USTs above reportable quantities, pesticides, ammonia, chlorine, and derivatives (write in name or Chemical Abstract Service (CAS) number)
[ ] Other

9. Source of Discharge: (check all that apply)

[ ] Dispensing system	[ ] Pipe	[ ] Barge	[ ] Pipeline	[ ] Vehicle
[✓] Tank	[ ] Fitting	[ ] Tanker ship	[ ] Railroad tankcar	[ ] Airplane
[ ] Unknown	[ ] Valve failure	[ ] Other Vessel	[ ] Tank truck	[ ] Drum

[ ] Other

10. Cause of the discharge: (check all that apply)

[ ] Loose connection	[ ] Puncture	[✓] Spill	[ ] Collision	[ ] Corrosion
[ ] Fire/explosion	[ ] Overfill	[ ] Human error	[ ] Vehicle Accident	[ ] Installation failure

[ ] Other

11. Actions taken in response to the discharge: Above ground storage tanks were cleaned out and removed from the storage dike. The dike was torn down and the soil was excavated. The excavation was back filled with clean dirt.

12. Comments:

13. Agencies notified (as applicable):

[ ] State Warning Point 1-800 320-0519	[ ] National Response Center 1-800-424-8802	[ ] Florida Marine Patrol (800) 342-5367	[ ] Fire Department.	[ ] DEP (district/person) [✓] County Tanks Program

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

X Suzi Renehan A.V.P.
Printed Name of Owner, Operator or Authorized Representative, or Discharger

Suzi Renehan A.V.P.
Signature of Owner, Operator or Authorized Representative, or Discharger

Suzi Renehan

Florida Dep...tment of Environmental Prote...n
Twin Towe... ...ice Bldg. • 2600 Blair Stone Road • Tallahassee, Florida ...00

Form Title: Storage Tank Registration Form
Effective Date: July 13, 1998
DEP Application No. _____ (Filled in by DEP)

Storage Tank Facility Registration Form

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes

Please review *Registration Instructions* before completing the form.

Please check all that apply	[ ] New Registration	[ ] New Owner	[ ] New Tanks
	[✓] Facility Info Update/Correction	[ ] Owner Info Update/Correction	[✓] Tank Info Update/Correction

A. FACILITY INFORMATION County: St. Johns DEP Facility ID: 863-0076

Facility Name: Wolfe Ranch
Facility Address: 6260 Hwy 16a & Hwy 16 City: St. Augustine Zip: 32092
Facility Contact: Diane Ross Business Phone: (904) 522-0463
Facility Type(s): _____ NAICS Code: _____ Financial Responsibility: _____

24 Hour Emergency Contact: _____ Emergency Phone: ( )

B. RESPONSIBLE PERSON INFORMATION - Identify individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. Provide additional information in an attachment if necessary.

Name: First Union National Bank of Florida	Facility - Responsible Person Relation Type:	Effective Date
Mail address: 214 N. Hogan St.	[√] Facility Account Owner (pays fees)	
City, ST, Zip: Jacksonville, Florida 32203	Facility Account Owner information must be provided when the facility contains active (in-use) storage tanks on site.	
Contact: Suzi Renehan Asst. Vice President		
Telephone: 904 / 489-1029	STCM Account Number (If known)	
Identify other appropriate facility relationships for this party: [ ] Facility Owner/Operator [✓] Property Owner [ ] Storage Tank Owner		

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date		Construction	Piping	Monitoring
1	T	A	1000	7-1-90	D	T	1-5-01	CK	BA	9
2	T	A	1000	7-1-90	D	T	1-5-01	CK	BA	9

Certified Contractor (performing tank installation or removal): Environmental Remediation Svc. FDPR License No.: PCC048415

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

X Suzi Renehan, A.V.P. Suzi Renehan, A.V.P. 1-23-01
Printed Name & Title Signature Date

DEP 62-761.900(2)

Northwest District
160 Governmental Center Blvd.
Pensacola, FL 32501
850-595-8360

Northeast District
7825 Baymeadows Way
Suite B200
Jacksonville, FL 32256
904-448-4300

Central District
3319 Maguire Blvd.
Suite 232
Orlando, FL 32803
407-894-7555

Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619
813-744-6100

Southeast District
400 North Congress Ave.
W Palm Beach, FL 33416
561-681-6600

South District
2295 Victoria Ave.
Suite 364
Fort Myers, FL 33901
941-332-6975

Marathon Branch Office
2796 Overseas Hwy.
Suite 221
Marathon, FL 33050
305-289-2310

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: Not Required
Manifest Document No.: 00412
2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
Wolfe Ranch % First Union Bank (St. Augt. Fl.)
214 N Hogan St. Jax. Fl. 32203
4. Generator's Phone (904) 489-1029 Contact: Suzi Renehan

5. Transporter 1 Company Name: Environmental Remediation Service
6. US EPA ID Number: FLD984261412

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
Industrial Water Services
1640 Talleyrand Ave
Jax. Fl. 32206
10. US EPA ID Number: FLD981928484

A. Transporter's Phone: 9047414744
B. Transporter's Phone: N/A
C. Facility's Phone: 904

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Haz oily Waste Water	001	TT	00670	G
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information
Job # 3474
IWS Appv. #6600

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: John Anderson (Agent) | Signature | Month 12 | Day 28 | Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jon E Ross | Signature | Month 12 | Day 28 | Year 00

ORIGINAL – RETURN TO GENERATOR

12-BLS-C6 Rev. 4/94

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: Not Required
Manifest Document No.: 3474-1
2. Page 1 of 1

3. Generator's Name and Mailing Address
First Union National Bank
214 N. Hogan St. - Jacksonville, Florida 32203
4. Generator's Phone (904) 489-1029 Contact: Suzi Renehan

Rolt Ranch
St. Augustine

5. Transporter 1 Company Name: Pritchett Trucking
6. US EPA ID Number: Not Required
A. Transporter's Phone: 800/486-7504

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Kedesh Inc.
901 Hwy No. 17 North
Kingsland, Georgia 31548
10. US EPA ID Number: D 9 5 1 0 2 0 1 1 3 1 5
C. Facility's Phone: 912/579-9979

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0023	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above
N/A
TRUCK # 737

E. Handling Codes for Wastes Listed Above
N/A

15. Special Handling Instructions and Additional Information

ERS Project No.3474
ERS Manifest No: 3374-1

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
AGENT JAYSON SMITH	Jayson Smith	10	01	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Barry Ball	Barry Ball	10	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
Not Required	3474-2		

GENERATOR

3. Generator's Name and Mailing Address
First Union National Bank
214 N. Hogan St. Jacksonville, Florida 32203
4. Generator's Phone (904) 489-1029 Contact: Suzi Renehan

Wolf Ranch
St. Augustine

5. Transporter 1 Company Name: Pritchett Trucking
6. US EPA ID Number: Not Required
A. Transporter's Phone: 800/486-7504

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
Kedesh Inc.
901 Hwy No. 17 North
Kingsland, Georgia 31548
10. US EPA ID Number: 2 9 5 1 0 2 0 1 1 3 1 5
C. Facility's Phone: 912/579-9979

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0023	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above
N/A

TRUCK # 729

E. Handling Codes for Wastes Listed Above
N/A

15. Special Handling Instructions and Additional Information

ERS Project No.3474
ERS Manifest No: 3374-2

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

TRANSPORTER

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
AGENT - JAYSON SMITH	Jayson Smith	07	01	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Brian Ball	Brian Ball	07	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

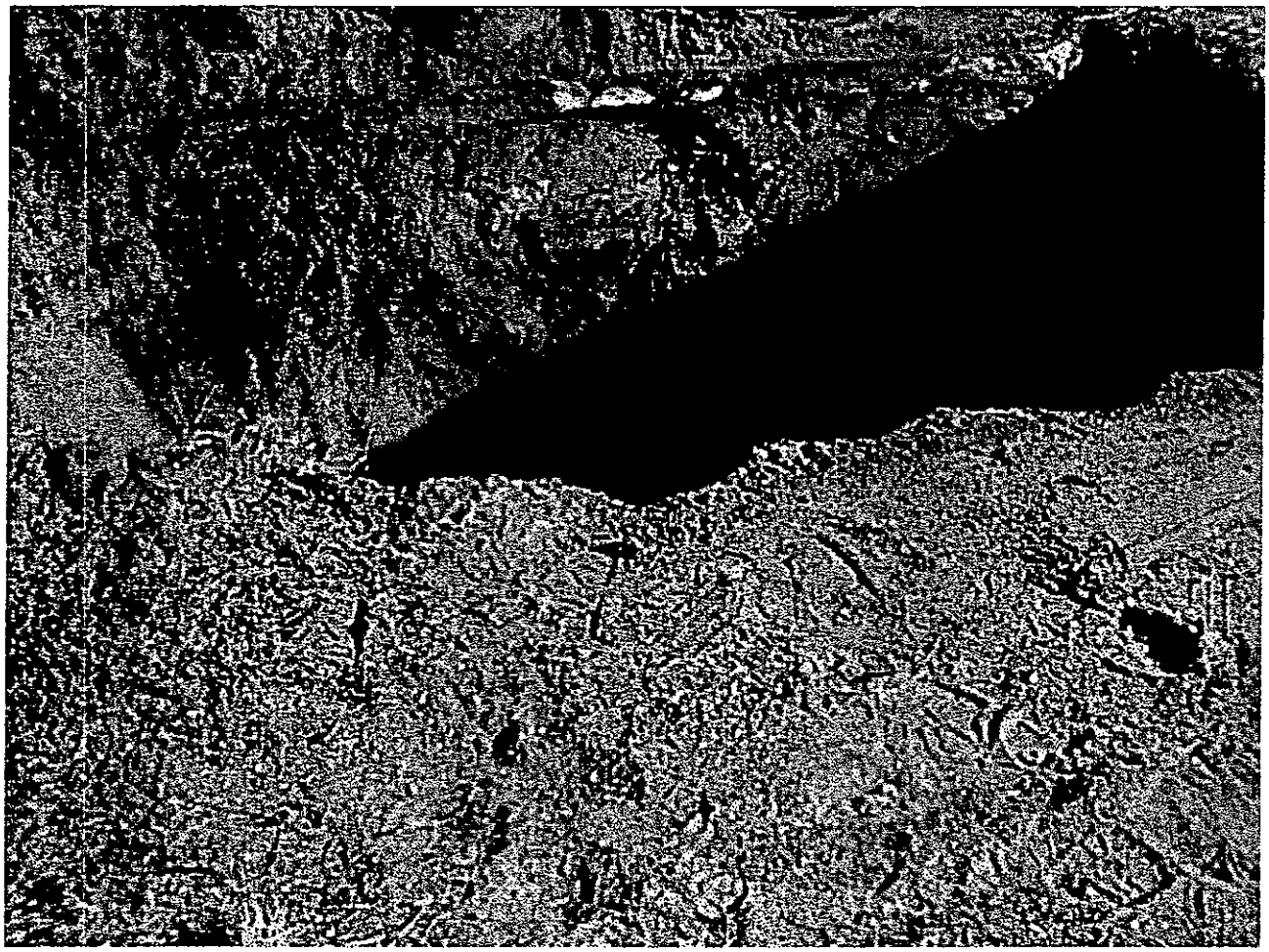
FACILITY

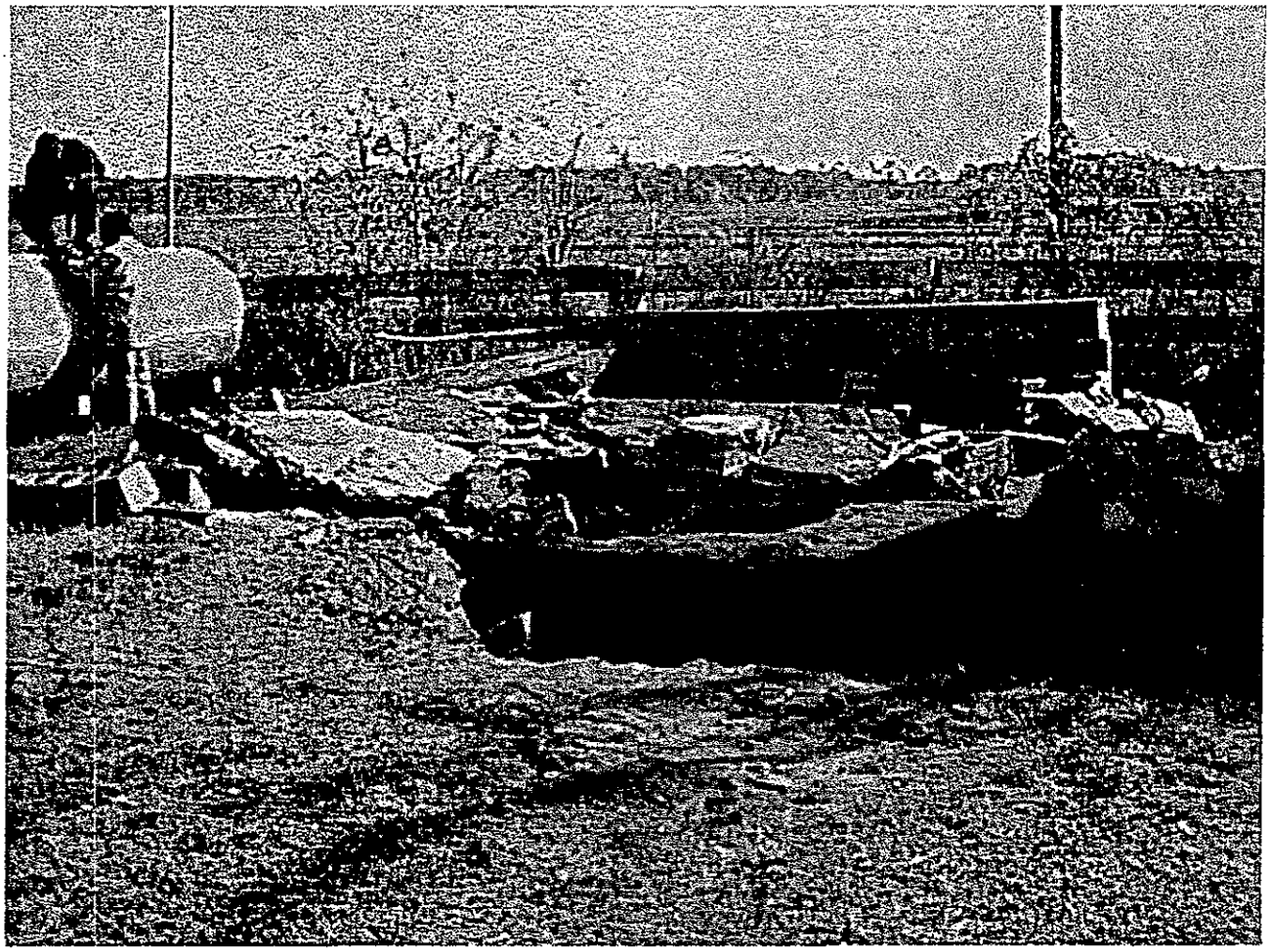
19. Discrepancy Indication Space

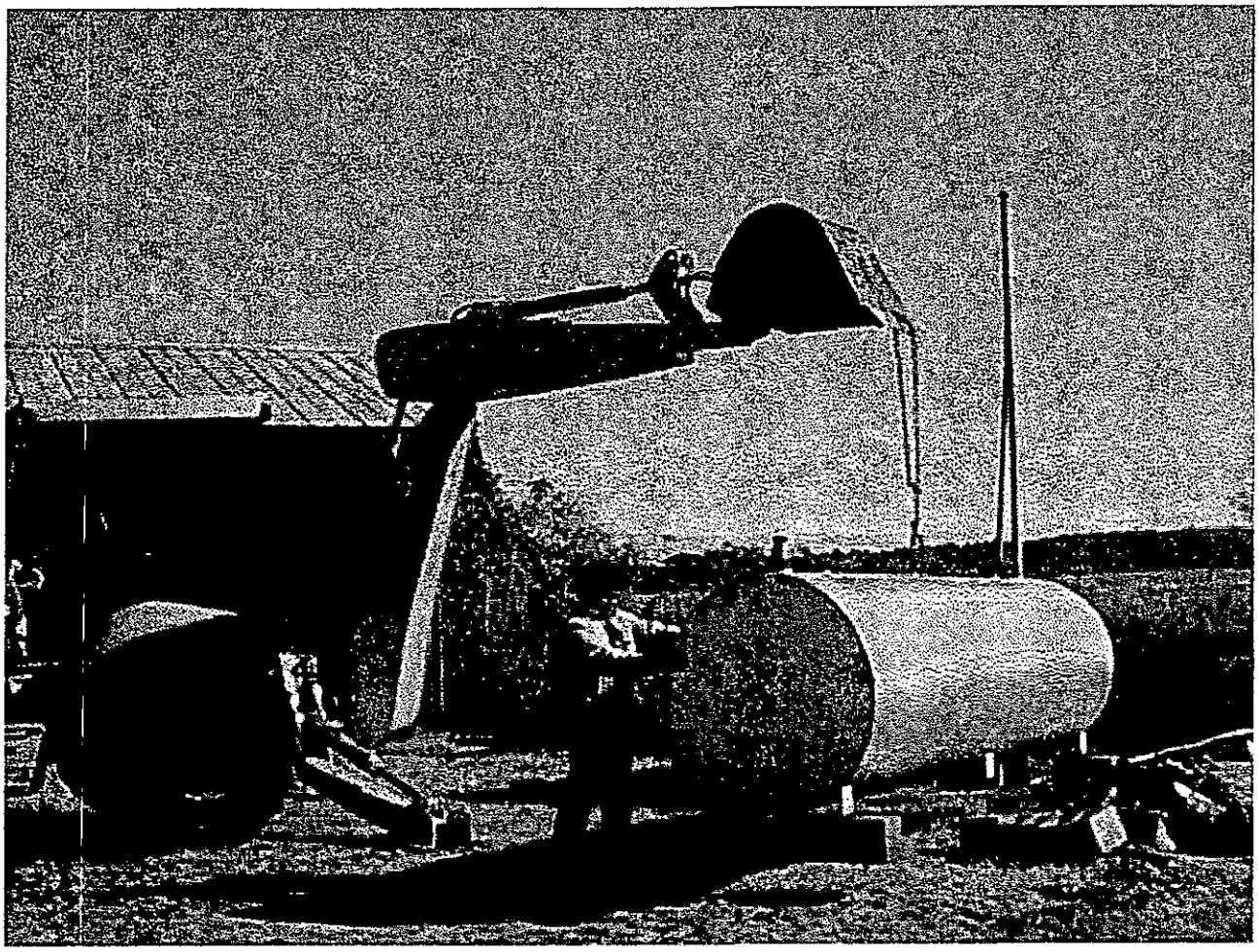
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

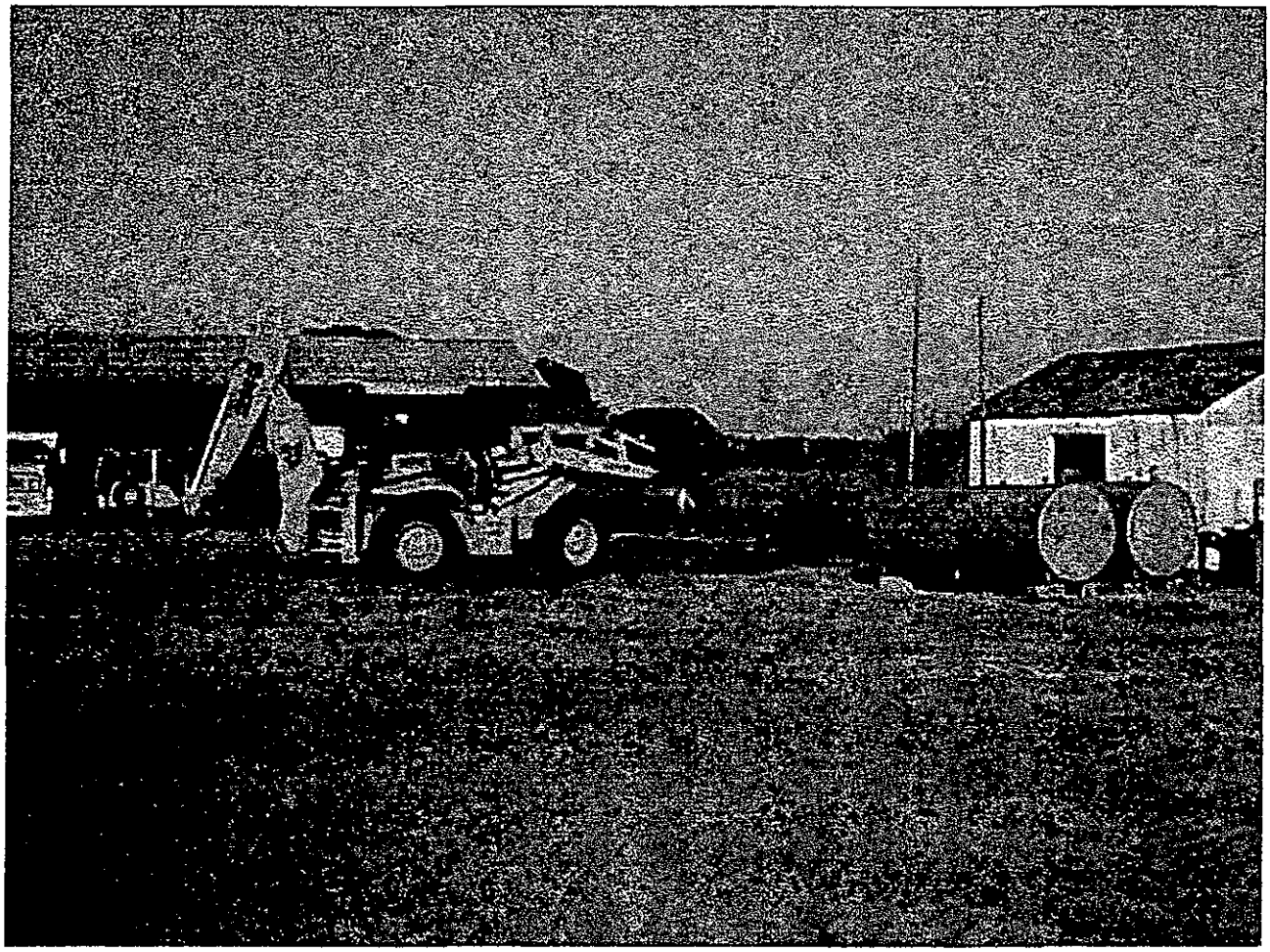
Printed/Typed Name	Signature	Month	Day	Year

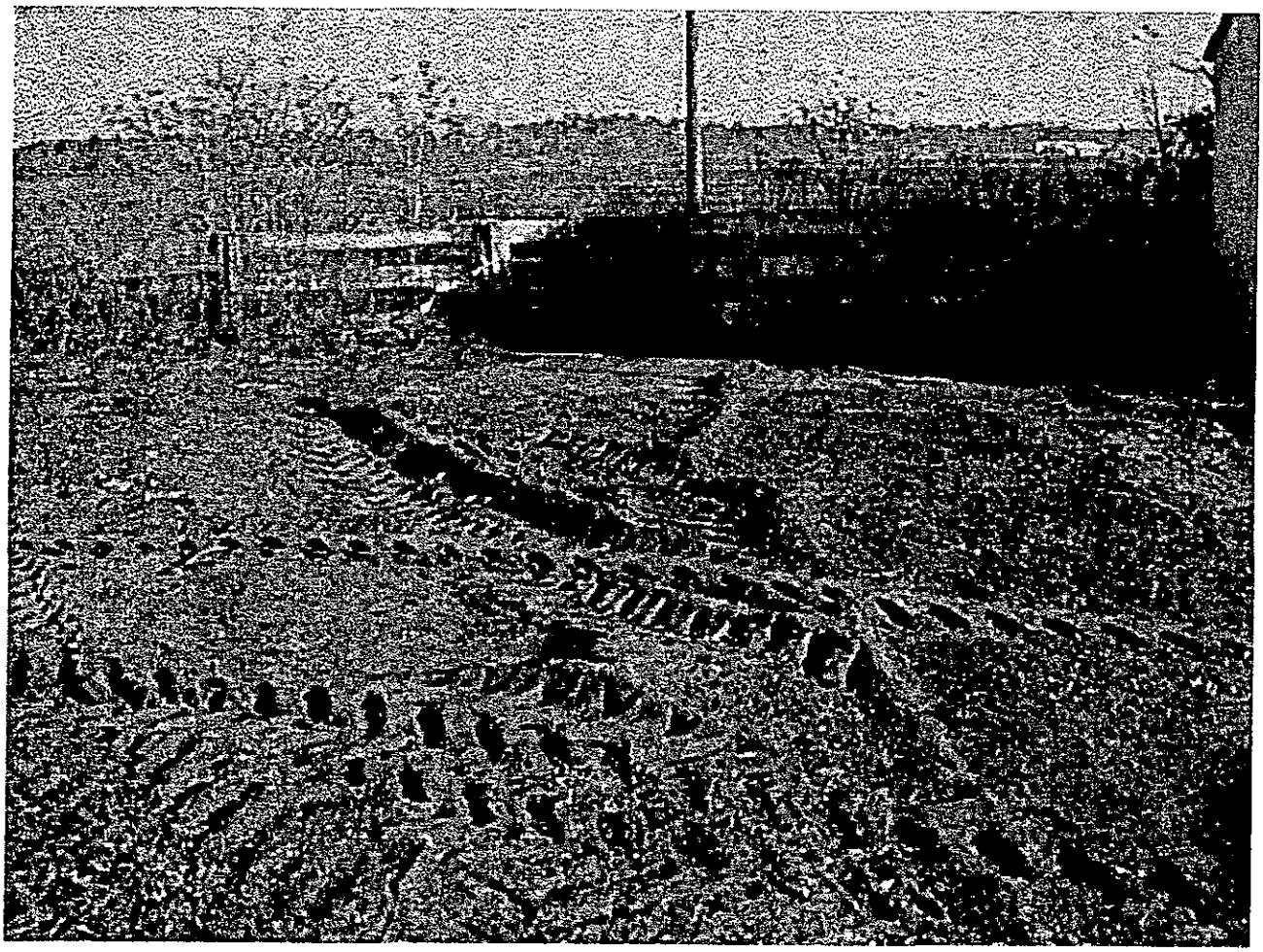
GENERATOR'S COPY











1080

TEAM 6

OCT 29 2001

Ecology & Environment

RECEIVED
DEPARTMENT OF
ENVIRONMENTAL PROTECTION
01 OCT 26 PM 3:46
BUREAU OF PETROLEUM
STORAGE SYSTEMS
DOCUMENT MANAGEMENT
CENTER

SITE ASSESSMENT REPORT
WOLFE RANCH SITE #1
6260 HIGHWAY 16A
ST. AUGUSTINE, FLORIDA
FDEP FACILITY ID # 558631076
E&A PROJECT NO. 01-7087

RECEIVED

OCT 24 2001

STATE OF FLORIDA
DEPT. OF ENV. PROTECTION
NORTHEAST DISTRICT-JAX

Prepared for:

First Union National Bank
214 North Hogan Street
Jacksonville, Florida 32203

Submitted to:

Florida Department of Environmental Protection
Northeast District
Regulated Storage Tanks Section
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Prepared by:

Ellis & Associates, Inc.
7064 Davis Creek Road
Jacksonville, Florida 32256
(904) 880-0960

October 24, 2001

Ellis & Associates inc.

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APPENDICES

Appendix A Tank Closure Report completed by ERS
Appendix B Well Construction Logs
Appendix C Water Sampling Logs
Appendix D Laboratory Analytical Report

Ellis & Associates inc.

SITE ASSESSMENT REPORT
WOLFE RANCH SITE #1
FDEP FACILITY ID # 558631076
6260 HIGHWAY 16A
ST. AUGUSTINE, FLORIDA
E&A PROJECT NO. 01-7087

1.0 INTRODUCTION

Ellis & Associates, Inc., (E&A) has completed a Site Assessment Report (SAR) for Wolfe Ranch Site #1 located at 6260 Highway 16A, in St. Augustine, St. Johns County, Florida (Figure 1). This investigation was authorized by Ms. Suzi Renehan of First Union National Bank through the acceptance of E&A proposal No. 01-0769. This SAR was initiated due to the detection of contaminants in the soil and groundwater following the removal of two, 1000-gallon aboveground storage tanks (ASTs) in January 2001.

This SAR was prepared in general accordance with the Florida Department of Environmental Protection's guidelines found in Chapter 62-770, F.A.C.

2.0 SITE HISTORY

The area defined as Wolfe Ranch Site #1 contained two 1000-gallon ASTs that were installed in 1990. One of the ASTs contained diesel fuel and one of the ASTs contained unleaded gasoline. The ASTs were located inside a concrete containment dike and the dispenser was located on a concrete slab to the west of the AST containment area. The ASTs were utilized to fuel equipment associated with the farming operations of Wolfe Ranch. The ASTs were removed from the site in January 2001.

3.0 PREVIOUS ASSESSMENT SUMMARY

The site was the subject of a Tank Closure Report, dated February 6, 2001, completed by Environmental Remediation Services, Inc. (ERS) (Appendix A). Activities performed during this closure assessment included the removal of two ASTs, removal of the concrete containment dike surrounding the ASTs, disconnection and removal of the dispensers and associated piping, and the excavation and removal of petroleum impacted soils.

Soil vapor field screening conducted prior to soil excavation utilizing an OVA-PID indicated soil vapors ranging from 1.7 to 96 ppm at depths from one to three feet. Groundwater was encountered at a depth of three feet below land surface (bls) and an area measuring 7 to 13 feet in width, 8 feet in length, and 4 feet in depth was excavated as petroleum-impacted soils. A soil and groundwater sample from the area of the former dispenser was collected and submitted to a laboratory for analysis by EPA Methods 8021, 8310, 6010 (lead), and method FL-PRO for TRPH.

The soil analytical results from the tank closure assessment indicated that the following compounds were detected above their "method reporting limit": naphthalene at 1.68 mg/kg,

2-methylnaphthalene at 8.84 mg/kg, 1-methylnaphthalene at 6.27 mg/kg, acenaphthalene at 0.189 mg/kg, acenaphthene at 0.734 mg/kg, fluorene at 1.58 mg/kg, phenanthrene at 4.61 mg/kg, anthracene at 1.13 mg/kg, fluoranthene at 0.216 mg/kg, pyrene at 1.10 mg/kg, lead at 4.18 mg/kg, and TRPH or "PHS" as 854 mg/kg. No EPA Method 8021 compounds were detected in the soil sample. Of the compounds detected in the soil sample, only TRPH was above the residential soil cleanup target level (SCTL); and only TRPH, 1-methylnaphthalene, and 2-methylnaphthalene were above the leachability based on groundwater SCTL (Chapter 62-777, F.A.C.). The level of TRPH detected is questionable given the reporting methodology of the laboratory that indicates individual carbon chains of C8-C40 totaling 195.49 mg/kg yet has total "PHS" of 854 mg/kg. The residential SCTL and the leachability based on groundwater SCTL for TRPH is 340 mg/kg.

The groundwater sample collected from a temporary monitoring well as part of the tank closure assessment indicated the presence of the following compounds: naphthalene at 5.56 ug/l, 2-methylnaphthalene at 36.9 ug/l, 1-methylnaphthalene at 11.6 ug/l, fluorene at 2.18 ug/l, and total lead at 420 ug/l. EPA Method 8021 compounds and TRPH were not detected in the groundwater samples. Of the contaminants detected, only 2-methylnaphthalene and lead were above their groundwater cleanup target levels (GCTL)(Chapter 62-777, F.A.C.). The GCTL for 2-methylnaphthalene is 20 ug/l and the GCTL for lead is 15 ug/l. Elevated levels of lead are often attributed to turbid groundwater samples that can be associated with temporary monitoring wells.

4.0 WATER WELL SURVEY

A water well survey was conducted to locate all private water wells within a ¼ mile radius and all public water supply wells within a ½ mile radius of the site. Ms. Helen Cleveland with the St. Johns River Water Management District (SJRWMD) was contacted to provide information for the search.

Based on the information provided by SJRWMD, no public or private water wells are located within the prescribed search distances. Site reconnaissance of the area indicated no public wells or private wells within a ½-mile radius of the site.

5.0 SOIL ASSESSMENT

The "Soil Survey of St. Johns County," issued October 1983, by the United States Department of Agriculture (USDA) Soil Conservation Service was reviewed for a listing of soil types for the site. One soil type, Placid Fine Sand, was identified for the site.

Placid fine sand is described as a very poorly drained, nearly level soil in broad flat areas with slopes ranging from 0 to 2 percent. Under natural conditions, this soil has a seasonal high water table within a depth of 10 inches for more than 6 months in most years. Permeability is rapid throughout. Natural vegetation includes longleaf and slash pines, sweetgum, water oak, wax myrtle, wild grape, smilax, and a few cypress trees. The native grasses include maidencane, bluestems, cinnamon fern, pineland threeawn, and lopsided indiangrass.

Soil conditions encountered at the site during site assessment activities consisted largely of light brown fine sand from just below ground surface to five feet below land surface (bls), followed by a orange-tan clayey fine sand to seven feet bls, and light gray-brown fine sand to 12 feet bls. Some areas of the site consisted of a dark gray fine sand from just below ground surface to four feet bls. Brief descriptions of lithologies encountered during the soil assessment are presented in Table 1. No definitive clay layer or perched water table was encountered during the soil investigation. The shallow groundwater table at the site was encountered at approximately three feet bls.

5.1 Soil Vapor Field Screening

On July 12, 2001, E&A advanced 14 borings at the site for the purpose of conducting a soil vapor field screening survey for petroleum vapors utilizing an organic vapor analyzer (OVA) flame ionization detector (FID). The soil borings are identified as SB-1 through SB-14 in Figure 2.

The methodology for the soil vapor field screening consisted of utilizing a hand auger equipped with a stainless steel bucket to bore down into the soil to collect soil samples for field screening at one-foot depth intervals. The soils from each depth interval were taken directly from the stainless steel auger bucket and used to fill two 16 oz. mason jars half full. The jars were then sealed with aluminum foil and allowed to equilibrate. Utilizing a Foxboro Model OVA-128, one of the mason jars from each depth interval was screened with a standard, non-filtered probe and one of the jars from each depth interval was screened utilizing an activated charcoal filter probe. The filtered probe reading was then subtracted from the standard probe reading giving a net vapor reading. The purpose of the charcoal filtered reading is to subtract any naturally occurring methane gas.

The results of the soil vapor field screening indicated that net vapor readings ranged from 0.0 to 20 ppm. Only two of the borings, SB-8 and SB-11, contained any detectable vapor readings. Soil boring SB-8 at four feet bls contained a standard probe reading of 90 ppm and a filtered reading of 460 ppm, indicating an inconclusive result most likely due to a high content of methane gas. Soil boring SB-11 at three feet bls contained a standard probe reading of 30 ppm and a filtered probe reading of 10 ppm indicating a net reading of 20 ppm. The remaining soil borings and depth intervals contained readings of 0.0 ppm.

A summary of E&A's soil vapor field screening results is provided in Table 1.

5.2 Soil Sampling

On July 12 and 16, 2001, E&A personnel collected two soil samples for laboratory analytical testing. The soil samples were collected from the two borings with positive OVA field screening results. Soil sample SS-1 was collected from soil boring SB-11 from a depth of three feet bls. Soil sample SS-2 was collected from soil boring SB-8 at a depth of 3.5 feet bls. The soil samples were collected directly from the stainless steel auger bucket, placed into laboratory-supplied containers, stored on ice, and submitted to IntraLabs, in Jacksonville, Florida for analysis by a state-certified laboratory (FDEP QAP #980126) for EPA Method 8021 (volatile aromatics and halocarbons), EPA Method 8310 (polynuclear aromatic hydrocarbons), and method FL-PRO (TRPH).

5.3. Soil Analytical Summary

Analytical results for soil samples SS-1 and SS-2 did not indicate the presence of any EPA Method 8021 compounds, EPA Method 8310 compounds, or TRPH at or above their method detection limits. The analytical results for these compounds were below laboratory method detection limits or "BDL" as indicated in the laboratory report provided in Appendix D.

A summary of the soil analytical results and their respective regulatory guidance concentrations are provided in Table 2.

6.0 GROUNDWATER ASSESSMENT

6.1 Monitoring Well Installation and Construction

On July 16, 2001, E&A personnel installed three monitoring wells at Wolfe Ranch Site #1. The monitoring wells were installed utilizing a vehicle-mounted drill rig equipped with a hollow stem auger. The monitoring wells are identified as MW-1 through MW-3 in Figure 2.

The monitoring wells at the site were installed to an approximate depth of 12 feet bls. The monitoring wells were constructed of two-inch diameter schedule 40 PVC equipped with a ten-foot section of 0.01 inch factory slotting and an approximate two-foot long solid riser. The monitoring wells contained a sand pack of 20/30 silica sand from 1.5 to 12 feet bls with a grout mixture of bentonite from 0.5 to 1.5 feet. A metal manhole cover surrounded by a concrete pad encased the surface area of each monitoring well. Monitoring well construction diagrams are provided in Appendix B.

6.2 Groundwater Sampling

On July 20, 2001, E&A personnel sampled the three monitoring wells at the site. Prior to the collection of the groundwater samples, each monitoring well was purged of approximately five well volumes with a low flow peristaltic pump and dedicated polyethylene tubing. Teflon lined tubing was utilized in the pump head of the peristaltic pump. Groundwater samples for lead were collected directly from the pump discharge once purging was complete. Groundwater samples for volatile and extractable organics were collected with a dedicated teflon bailer after purging was completed.

The groundwater samples were placed into laboratory-supplied containers, stored on ice, and submitted to IntraLabs, in Jacksonville, Florida for analysis by a state-certified laboratory (FDEP QAP #980126) for EPA Method 8021 (volatile aromatics and halocarbons), EPA Method 8310 (polynuclear aromatic hydrocarbons), EPA Method 6010 (total lead), EPA Method 504 (EDB), and method FL-PRO (TRPH).

The groundwater sampling logs for MW-1 through MW-3 are provided in Appendix C.

6.3 Groundwater Analytical Summary

The analytical results for sample MW-1 did not indicate the presence of any EPA Method 8021 compounds, EPA Method 8310 compounds, EDB, lead, or TRPH at or above their method detection limits. The analytical results for these constituents were below laboratory method detection limits or "BDL" as indicated in the laboratory report.

The analytical results for sample MW-2 indicated the presence of MTBE at 3.0 ug/l and TRPH at 0.66 mg/l. No other EPA Method 8021 compounds, EPA Method 8310 compounds, EDB, or lead were detected in the groundwater sample at or above their method detection limits. The levels of MTBE and TRPH detected in the sample were below their GCTLs of 50 ug/l and 5 mg/l, respectively (Chapter 62-777, F.A.C.).

The analytical results for sample MW-3 did not indicate the presence of any EPA Method 8021 compounds, EPA Method 8310 compounds, or any EDB, lead, or TRPH at or above their method detection limits. The analytical results for these constituents were "BDL" as indicated in the laboratory report.

A summary of the groundwater sampling results is provided in Table 3. The laboratory report is provided in Appendix D.

7.0 GROUNDWATER FLOW DIRECTION

Groundwater flow direction for the site was determined utilizing the three monitoring wells installed for the groundwater assessment. Top of casing elevations were field surveyed with a Leica Model NA720 auto level and lenker rod. After establishing a relative datum on site, top of casing elevations were taken from the north side of the well casings and elevation readings were recorded to the nearest 0.01. Depth to water readings were collected utilizing a Roctest water level indicator accurate to 0.01 feet. Depth to water readings were collected from the north side of the well casings at two iterations spaced at least one month apart.

Based on the top of casing elevations and the depth to water readings collected, groundwater flow direction for the site is toward the east-southeast. Elevation data collected for the first iteration indicated a groundwater flow direction to the southeast and elevation data collected for the second iteration indicated a groundwater flow direction to the east-southeast.

Groundwater elevation data for the site is provided in Table 4 and water table contour maps are provided in Figures 3 and 4.

8.0 PROPOSED COURSE OF ACTION

E&A has completed a Site Assessment Report of Wolfe Ranch Site #1, FDEP Facility ID #558631076, located at 6260 Highway 16A, in St. Augustine, St. Johns County, Florida. The results of the Site Assessment indicated the following:

- No free product was discovered at the site.
- No excessively contaminated soils (Section 376.3071(11)(b)2., F.S.) were encountered at the site.
- No soil analytical results indicated the presence of contaminated soils at or above the direct exposure residential cleanup target levels or the leachability cleanup target levels per Chapter 62-777, F.A.C.
- Concentrations of petroleum contaminants of concern detected did not exceed the groundwater criteria listed in Chapter 62-777, F.A.C.

Based on the results of the Site Assessment, E&A respectfully requests that a No Further Action without conditions status, per Chapter 62-777.680, be granted for the site.

Ellis & Associates inc.

9.0 SIGNATURES OF PROFESSIONALS

for

Eric B. Fuller
Project Scientist

10/24/01

Scott A. Davidson, P.G.
Senior Geologist
Florida License No. 0001220

TABLES

Table 1
Organic Vapor Analysis Results
FDEP Facility ID #558631076
Wolfe Ranch Site #1
E&A Project No. 01-7087

SAMPLE ID.	Depth of Sample (feet bls)	Date	Unfiltered Result (ppm)	Filtered Result (ppm)	Net Result (ppm)	Odor	Lithology
SB-1	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-1	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-1	2-3	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-1	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-2	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-2	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-2	2-3	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-2	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-3	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-3	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-3	2-3	7/12/01	0	NT	0	None	Tan Fine Sand
SB-3	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-4	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-4	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-4	2-3	7/12/01	0	NT	0	None	Tan Fine Sand
SB-4	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-5	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-5	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-5	2-3	7/12/01	0	NT	0	None	Tan Fine Sand
SB-5	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-6	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-6	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-6	2-3	7/12/01	0	NT	0	None	Light Gray Fine Sand
SB-6	3-4	7/12/01	0	NT	0	None	Tan Fine Sand

Table 1 (continued)
Organic Vapor Analysis Results
FDEP Facility ID #558631076
Wolfe Ranch Site #1
E&A Project No. 01-7087

SAMPLE ID.	Depth of Sample (feet bls)	Date	Unfiltered Result (ppm)	Filtered Result (ppm)	Net Result (ppm)	Odor	Lithology
SB-7	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-7	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-7	2-3	7/12/01	0	NT	0	None	Dark Brown Fine Sand
SB-7	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-8	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-8	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-8	2-3	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-8*	3-4	7/12/01	90	460	0	slight petroleum	Tan and Dark Gray Fine Sand
SB-9	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-9	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-9	2-3	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-9	3-4	7/12/01	0	NT	0	None	Tan and Dark Gray Fine Sand
SB-10	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-10	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-10	2-3	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-10	3-4	7/12/01	0	NT	0	None	Orange-Tan Fine Sand
SB-11	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-11	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-11*	2-3	7/12/01	30	10	20	None	Light Gray Fine Sand
SB-11	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-12	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-12	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-12	2-3	7/12/01	0	NT	0	None	Light Brown-Orange Clayey Fine Sand
SB-12	3-4	7/12/01	0	NT	0	None	Light Brown-Orange Clayey Fine Sand

Table I (continued)
Organic Vapor Analysis Results
FDEP Facility ID #558631076
Wolfe Ranch Site #1
E&A Project No: 01-7087

SAMPLE ID.	Depth of Sample (feet bls)	Date	Unfiltered Result (ppm)	Filtered Result (ppm)	Net Result (ppm)	Odor	Lithology
SB-13	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-13	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-13	2-3	7/12/01	0	NT	0	None	Light Gray Fine Sand
SB-13	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-14	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-14	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-14	2-3	7/12/01	0	NT	0	None	Tan-Orange Fine Sand
SB-14	3-4	7/12/01	0	NT	0	None	Tan Fine Sand

Notes: bls - Below Land Surface
ppm - Parts Per Million
NT - Not Tested
* = soil sample for laboratory ananlysis

TABLE 2: SOIL ANALYTICAL SUMMARY

Facility Name: Wolfe Ranch #1
Facility ID#: 558631076

Compound	SS-1 07/12/01 (ug/kg)	SS-2 07/16/01 (ug/kg)	Direct Exposure Residential (ug/kg)	Leachability Groundwater Criteria (ug/kg)
Benzene	<1.6	<3.1	1,100	7
Toluene	<3.9	<7.9	380,000	500
Ethylbenzene	<3.9	<7.9	1,100,000	600
Total Xylenes	<3.9	<7.9	5,900,000	200
MTBE	<39	<79	3,200,000	200
Naphthalene	<120	<140	40,000	1,700
Acenaphtylene	<120	<140	1,100,000	27,000
1-Methylnaphthalene	<120	<140	68,000	2,200
2-Methylnaphthalene	<240	<290	80,000	6,100
Acenaphthene	<120	<140	1,900,000	2,100
Fluorene	<120	<140	2,200,000	160,000
Phenanthrene	<120	<140	2,000	250,000
Anthracene	<120	<140	18,000,000	2,500,000
Fluoranthene	<120	<140	2,900,000	1,200,000
Pyrene	<120	<140	2,200,000	880,000
Benzo (a) anthracene	<120	<140	1,400	3,200
Chrysene	<120	<140	140,000	77,000
Benzo (b) fluoanthene	<120	<140	1,400	10,000
Benzo (k) fluoanthene	<120	<140	15,000	25,000
Benzo (a) pyrene	<71	<86	100	8,000
Dibenzo (a,h) anthracene	<71	<86	100	30,000
Benzo (g,h,I) perylene	<120	<140	2,300,000	32,000,000
Indeno (1,2,3-cd) pyrene	<120	<140	1,500	28,000
Hydrocarbons (C8-C40)	<6000	<7100	350,000	340,000

TABLE 3: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Wolfe Ranch #1 Facility ID#: 558631076

Below Detection Limits = BDL
Analytical Results = ppb or ug/L (unless otherwise noted)
NA = Not Analyzed NI = Not Installed

Sample Location	Sample Date	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total VOA	MTBE	PAH	TRPH	Naphthalene
MW-1	07/20/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	BDL	<.65 mg/l	<1.0
MW-2	07/20/01	<1.0	<1.0	<1.0	<1.0	<4.0	3.0	BDL	.66 mg/l	<1.0
MW-3	07/20/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	BDL	<.65 mg/l	<1.0

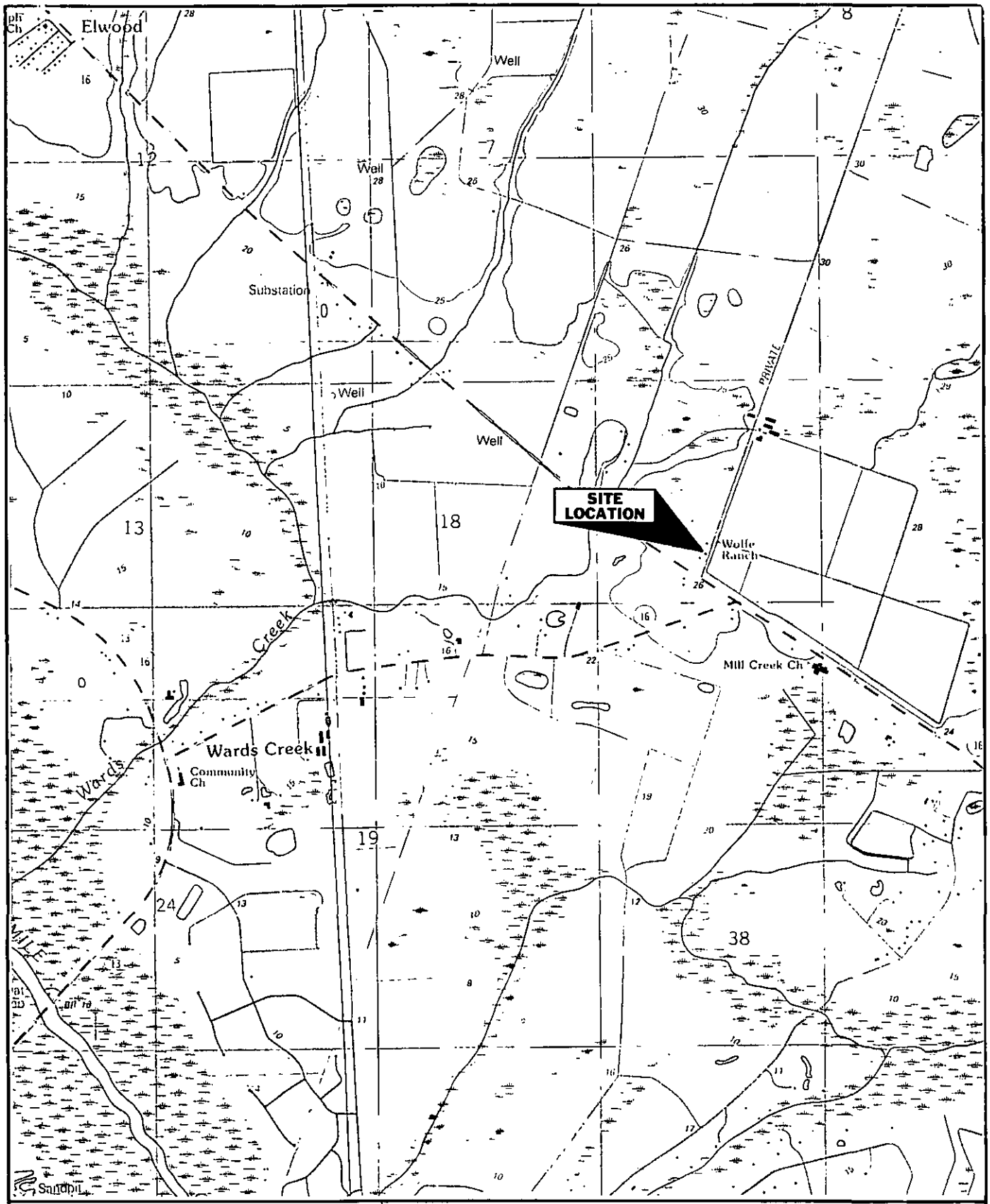
TABLE 4: GROUNDWATER ELEVATION TABLE

Facility Name: Wolfe Ranch #1 Facility ID#: 558631076

All Measurements = Feet (unless otherwise noted)

WELL NO.	MW-1			MW-2			MW-3		
DIAMETER	2"			2"			2"		
WELL DEPTH	12.00			12.00			12.00		
SCREEN INTERVAL	2.00 - 12.00			2.00 - 12.00			2.00 - 12.00		
TOC ELEVATION	4.78			4.50			4.62		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
07/20/01	1.98	2.80		1.87	2.63		1.91	2.71	
09/19/01	3.07	1.71		3.04	1.46		3.11	1.51	

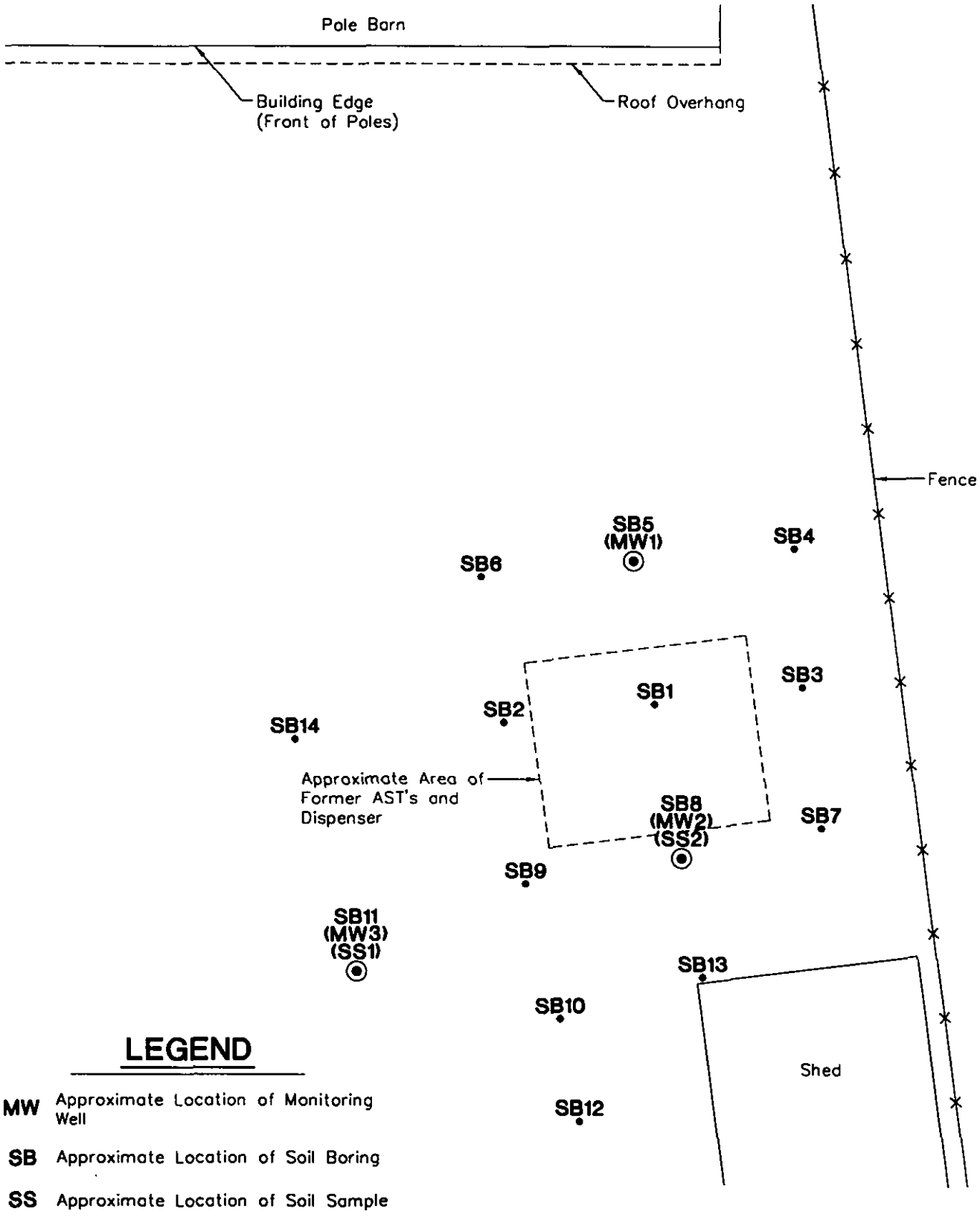
FIGURES



Project No. 01-7087	**Site Vicinity/Topographic Map**
Revision Date: 10/23/01	Wolfe Ranch Site #1 – FDEP Facility ID No. 558631076 U.S. Geological Survey 7.5 Minute – Topographic Map Picolata, Florida Quadrangle 1991 Site boundaries depicted are approximate
Scale: 1"=2,000'	**Figure No. 1**

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CONSTRUCTION MATERIALS ENGINEERING AND TESTING

017087t



LEGEND

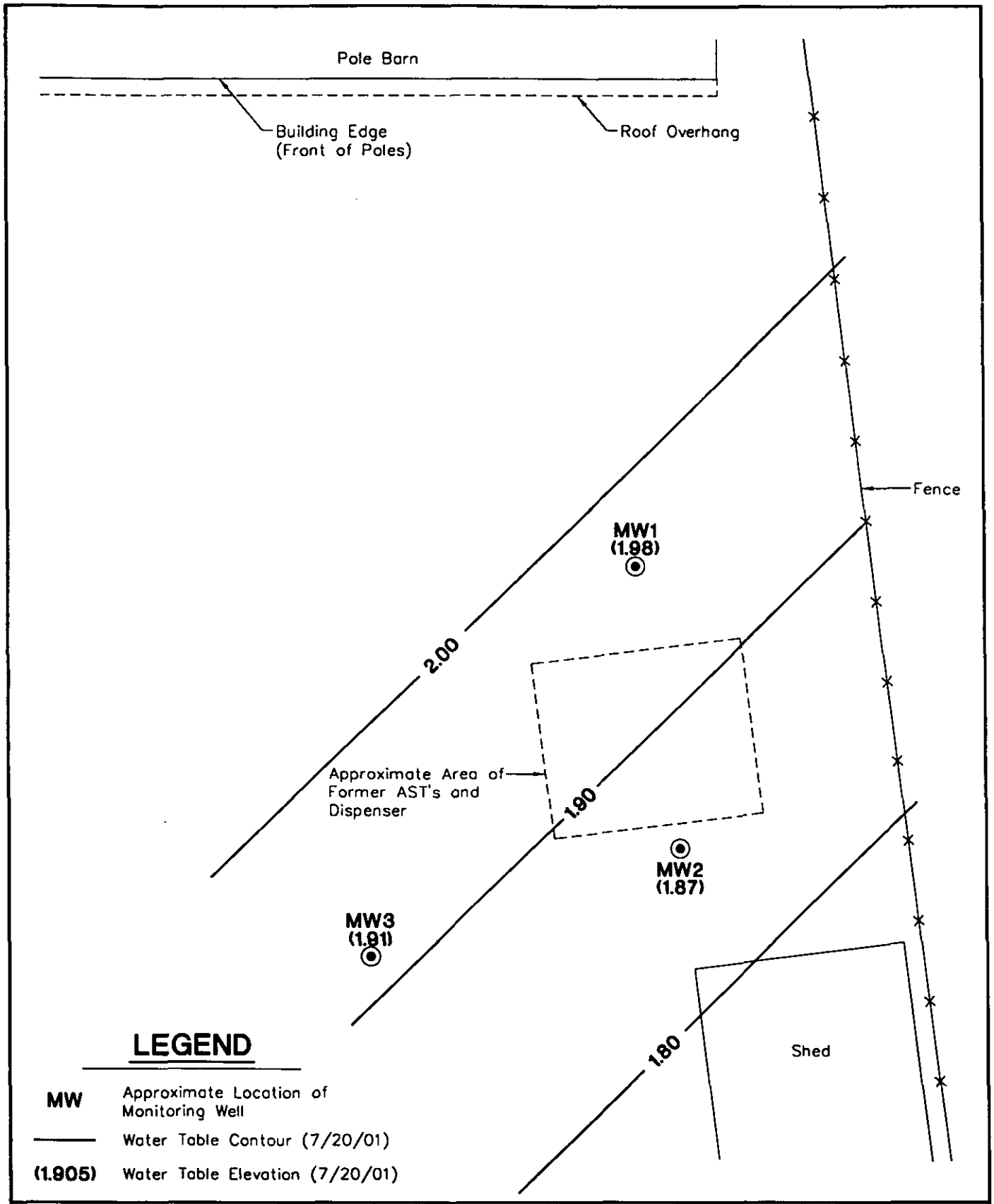
MW Approximate Location of Monitoring Well

SB Approximate Location of Soil Boring

SS Approximate Location of Soil Sample

Project No. 01-7087	**Sampling Location Plan** **Wolfe Ranch Site #1** **FDEP Facility ID No. 558631076** St. Augustine, Florida
Revision Date: 10/23/01	
Scale: 1"=10'	
Ellis & Associates Inc. GEOTECHNICAL ENGINEERING & ENVIRONMENTAL SERVICES CONSTRUCTION MATERIALS ENGINEERING AND TESTING	**Figure No. 2**

017087s2

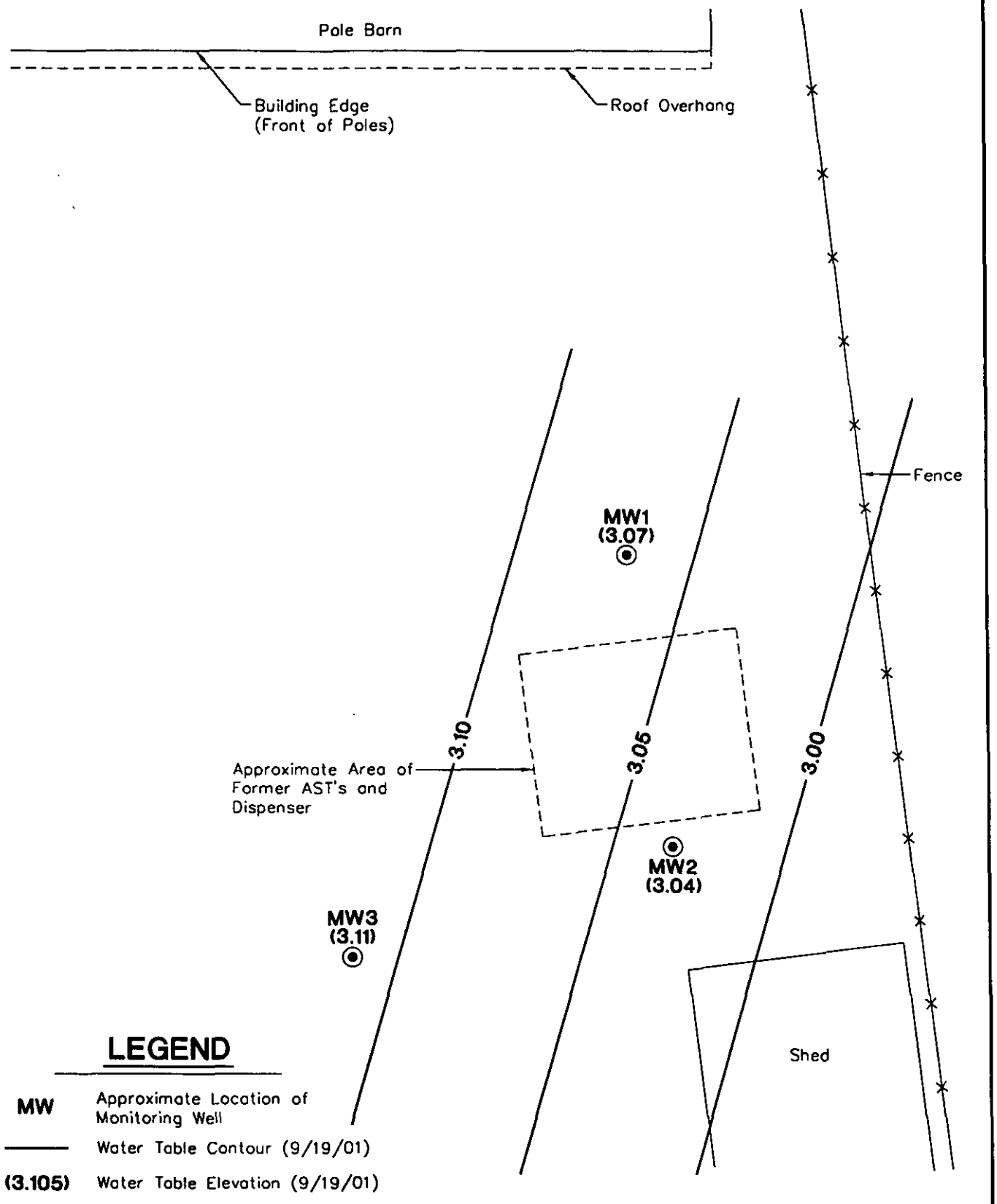


Project No. 01-7087	
Revision Date: 10/23/01	
Scale: 1"=10'	
Ellis & Associates Inc. GEOTECHNICAL ENGINEERING & ENVIRONMENTAL SERVICES CONSTRUCTION MATERIALS ENGINEERING AND TESTING	**Water Table Contours** **Wolfe Ranch Site #1** **FDEP Facility ID No. 558631076** St. Augustine, Florida

N

Figure No. 3

017087s3



Project No. 01-7087	**Water Table Contours** **Wolfe Ranch Site #1** **FDEP Facility ID No. 558631076** St. Augustine, Florida
Revision Date: 10/2/01	
Scale: 1"=10'	
Ellis & Associates Inc. GEOTECHNICAL ENGINEERING & ENVIRONMENTAL SERVICES CONSTRUCTION MATERIALS ENGINEERING AND TESTING	**Figure No. 4**

017087s4

APPENDIX A

Tank Closure Report Completed by ERS

ENVIRONMENTAL REMEDIATION SERVICES, INC.

TANK CLOSURE REPORT
WOLFE RANCH - AST
6260 Hwy 16a & Hwy 16
ST. AUGUSTINE, FLORIDA 32092

FAC ID 8631076

Prepared for:

First Union National Bank
214 N. Hogan St.
Jacksonville, Florida 32203

February 6, 2001

P.O. Box 351419
Jacksonville, FL 32235-1419

Phone (904) 741-4744
Fax (904) 741-3013

14600 Duval Place West • Suite 502
Jacksonville, FL 32218

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Figure 1 - Site Map of Wolfe Ranch - AST

Figure 2 - Photo Documentation

INTRODUCTION

Environmental Remediation Services, Inc. (ERS) was contracted by First Union National Bank in December of 2000 to clean two 1,000 gallon aboveground storage tanks (AST) containing petroleum products, disconnect dispensers and dispose of waste materials. The AST's are on site at the Wolfe Ranch located at 6260 Hwy 16a & Hwy 16 in St. Augustine, Florida. The scope of work consisted of degreasing and pressure washing the AST's and moving them to a new location, screening soil with an organic vapor analyzer photoionization detector (OVA-PID), excavation of petroleum impacted soil, groundwater and soil sampling, and closure report preparation.

SOIL ASSESSMENT

Samples were collected at four locations around the containment dike and one on the wall going underneath the containment dike. Samples were taken at one foot intervals to the groundwater table and screened in accordance with the methods established in Chapter 62-761, Florida Administrative Code (F.A.C.). During the soil sampling performed on January 4, 2001 we encountered the water table at a depth of 3 feet. Two out of the five OVA-PID field screening samples read over 10 parts per million (ppm) which were located at the fuel dispenser station. The containment dike was torn down and two more screening samples were taken. These samples also read over 10 ppm. The impacted areas were excavated to the groundwater table. The excavated area measured approximately 13 and 7 feet in width, 8 feet in length and 4 feet in depth. Once the excavation was complete a soil sample was taken from the "worst case" screening point and taken to Advanced Environmental Laboratories in Jacksonville, Florida for analysis. A copy of the analytical results are presented in Appendix A. All samples collected during this AST assessment were collected in accordance with our comprehensive quality assurance plan on file with the Florida Department of Environmental Protection (QA-001/92).

GROUNDWATER ASSESSMENT

Groundwater was encountered at 3 ft below land surface. ERS installed one temporary well located at the "worst case" screening point to collect groundwater samples. These groundwater samples were taken to Advanced Environmental Laboratories in Jacksonville, Florida for analysis. All samples were collected in accordance with our comprehensive quality assurance plan on file with the Florida Department of Environmental Protection (QA-001/92). Confirmatory groundwater analytical results are presented in Appendix A.

AST REMOVAL AND CLEANING

The AST's were first opened at the man covers and the remaining fuel was pumped out. Once the AST's were pumped out they were cleaned with a degreasing solution and high pressure washing unit to remove the oily residue. The AST's were then moved from the containment dike and placed off to the side. Appendix B includes, a Limited Closure Summary Report, a Discharge Report Form, a Underground Storage System Installation and Removal Form for Certified Contractors and a Storage Tank Facility Registration Facility Form. Also included in the appendix is the non-hazardous waste manifest for the disposal of oily waste water and petroleum impacted soil.

Advanced
Environmental Laboratories, Inc.

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Jacksonville, Florida 32256
(904) 363-9350
FAX (904) 363-9354

Client: Environmental Remediation Services, Inc.
Project Name: First Union/ WolfRanch
Project No.: 3474

Address: P.O. Box 314519
Jacksonville, FL 32235

Attention: Jessica Antonacci

Report No.: J010101
Date Sampled: 1/9/01
Date Submitted: 1/11/01
Date Reported: 1/24/01

Project Chemist: KB/KC/PW

Sample Description

The following soil samples were submitted by Environmental Remediation Services, Inc. on 1/11/01 for analysis outlined on the attached Chain of Custody:

Project Name: First Union/ WolfRanch
Project #: 3474

1. AST 1 @ 14:00
2. AST 1 @ 11:50

RECEIVED
JAN 29 2001

Approved by: Jolene C Warnke-Roszel, Project Manager

HRS# 82533,E82574
DEP# 940242

Analytical Report

Client: Environmental Remediation Services, Inc.
Project Name: First Union/ WolfRanch
Matrix: Soil

Report No.: J010101
Date Sampled: 1/9/01
Date Submitted: 1/11/01
Date Reported: 1/24/01

Volatile Halocarbons & Aromatic Hydrocarbons
EPA Method 5035/8021
Units: µg/Kg

		Lab Code:	J010101-1	J010088-mb
		Dilution Factor:	1	1
		Date Analyzed:	1/12/01	1/12/01
Analytes	**MRL**	**Sample Name:**	**AST 1**	**Method Blank**
Dichlorodifluoromethane	5		U	U
Chloromethane	5		U	U
Vinyl Chloride	5		U	U
Bromomethane	5		U	U
Chloroethane	5		U	U
Trichlorofluoromethane	5		U	U
1,1-Dichloroethene	5		U	U
Methylene Chloride	5		U	U
Methyl-*tert*-butyl Ether	5		U	U
trans-1,2-Dichloroethene	5		U	U
1,1-Dichloroethane	5		U	U
Chloroform	5		U	U
1,1,1-Trichloroethane	5		U	U
Carbon Tetrachloride	5		U	U
1,2-Dichloroethane	5		U	U
Benzene	5		U	U
Trichloroethene	5		U	U
1,2-Dichloropropane	5		U	U
Bromodichloromethane	5		U	U
cis-1,3-Dichloropropene	5		U	U
Toluene	5		U	U
trans-Dichloropropene	5		U	U
1,1,2-Trichloroethane	5		U	U
Tetrachloroethene	5		U	U
Dibromochloromethane	5		U	U
Chlorobenzene	5		U	U
Ethylbenzene	5		U	U
m&p-Xylenes	5		U	U
o-Xylene	5		U	U
Bromoform	5		U	U
1,1,2,2-Tetrachloroethane	5		U	U
1,3-Dichlorobenzene	5		U	U
1,4-Dichlorobenzene	5		U	U
1,2-Dichlorobenzene	5		U	U
Cis 1,2-Dichlorothene	5		U	U
Surrogates	**Acceptance Limits**		**Percent Recovery**	**Percent Recovery**
1,2-Dichloroethane-d4	80-120		83	103
Toluene-d8	81-117		94	102
4-Bromofluorobenzene	74-121		91	96

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	3 of 5

Polynuclear Aromatic Hydrocarbons
EPA Methods 3550B/8270C
Units: mg/Kg

		Lab Code:	J010101-2	J010073-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/12/01	1/12/01
		Date Analyzed:	1/15/01	1/15/01
Analytes	**MRL**	**Sample Name:**	**AST 1**	**Method Blank**
Naphthalene	0.100		**1.68** →	U
2-Methylnaphthalene	0.100		**8.84** ↑	U
1-Methylnaphthalene	0.100		**6.27** ↑	U
Acenaphthylene	0.100		**0.189**	U
Acenaphthene	0.100		**0.734**	U
Fluorene	0.100		**1.58**	U
Phenanthrene	0.100		**4.61**	U
Anthracene	0.100		**1.13**	U
Fluoranthene	0.100		**0.216**	U
Pyrene	0.100		**1.10**	U
Benzo(a)anthracene	0.100		U	U
Chrysene	0.100		U	U
Benzo(b)fluoranthene	0.100		U	U
Benzo(k)Fluoranthene	0.100		U	U
Benzo(a)pyrene	0.100		U	U
Indeno-1,2,3(cd)pyrene	0.100		U	U
Dibenzo(ah)anthracene	0.100		U	U
Benzo(ghi)perylene	0.100		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
2-Fluorobiphenyl	43-130	57	71

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client: Environmental Remediation Services, Inc.
Project Name: First Union/ WolfRanch
Matrix: Soil

Report No.: J010101
Date Sampled: 1/9/01
Date Submitted: 1/11/01
Date Reported: 1/24/01

Florida Petroleum Residual Organics
EPA Method 3550B/FL-PRO
Units:mg/kg

	Lab Code:	J010101-2	J010073-mb
	Dilution Factor:	1.0	1.0
	Date Extracted:	1/12/01	1/12/01
	Date Analyzed:	1/15/01	1/15/01
Analytes	MRL	Sample Name: AST 1	Method Blank
Octane (C_8)	0.250	U	U
Decane (C_{10})	0.250	U	U
Dodecane (C_{12})	0.250	11.8	U
Tetradecane (C_{14})	0.250	21.9	U
Hexadecane (C_{16})	0.250	26.3	U
Octadecane (C_{18})	0.250	28.4	U
Eicosane(C_{20})	0.250	51.6	U
Docosane (C_{22})	0.250	49.3	U
Tetracosane (C_{24})	0.250	5.16	U
Hexacosane (C_{26})	0.250	1.03	U
Octacosane (C_{28})	0.250	U	U
Triacontane (C_{30})	0.250	U	U
Dotriacontane (C_{32})	0.250	U	U
Tetratriacontane (C_{34})	0.250	U	U
Hexatriacontane (C_{36})	0.250	U	U
Octatriacontane (C_{38})	0.250	U	U
Tetracontane (C_{40})	0.250	U	U
TOTAL PHS	4.00	? 854	U

195.49 C_8 - C_{40}

Surrogate	Acceptance Limit	Percent Recovery	Percent Recovery
Ortho-terphenyl (OTP)	42-142	88	74
Nonatricontane (C39)	60-118	64	67

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	5 of 5

Total Lead
EPA Method 6010B
Units: mg/kg

Sample Name	Lab Code	Date Analyzed	MRL	Sample Result
AST 1	J010101-2	1/12/01	0.50	4.18
Method Blank	J010101-mb	1/12/01	0.50	U

U Not detected above the MRL
MRL Method Reporting Limit

Advanced Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

☑ Jacksonville: 8936 Western Way, Suite 7, Jacksonville, FL 32256 • (904) 363-9350 Fax (904) 363-9354
☐ Tampa: 5810-D Breckenridge Parkway, Tampa, FL 33610 • (813) 630-9616 Fax (813) 630-4327
☐ Gainesville: 2106 NW 67th Place, Suite 7, Gainesville, FL 32606 • (352) 367-1500 Fax (352) 367-0050

JOB NUMBER: 30[illegible]

CLIENT NAME: Environmental Remediation Services	PROJECT NAME: First Union
ADDRESS: 14600 Duval Place west, Suite 502	P.O. NUMBER / PROJECT NUMBER: 3692-4 / 3474
Jacksonville, Florida 32218	PROJECT LOCATION: Wolfe Ranch ASTs
PHONE: 904 741-4244 FAX: 904 741-3013	SAMPLED BY: Jessica / Sophon / Jayson
CONTACT: Jessica Antonacci	SPECIAL INSTRUCTIONS:

TURN AROUND TIME or RESULTS DUE BY:

☑ STANDARD ☐ VERBAL_____

☐ RUSH_____ ☐ FAX_____

☐ OTHER_____ ☐ HARD COPY_____

	SAMPLE DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAIN.	PRESERVATIVE	CONTAINER SIZE AND TYPE	8021 HVA	FL-PRO	8310 (PAH)	6010 (PB)	7421		
1	confirmatory soil - AST 1	1-9-01	1400	SO	3		2 syrnx 2oz. G	X						-1
2	confirmatory soil - AST 1	1-10-01	1150	SO	2		1 8oz. G		X	X	X	X		-2
3	confirmatory soil - AST 2	1-10-01	1620	SO	4		1 8oz. G	X	X	X	X	X		-3
4	confirmatory soil - AST 3	1-10-01	1620	SO	5		1 8oz. G	X	X	X	X	X		-4

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:

TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
1	Jessica Antonacci	[signature]	1/11/01	1207
2				
3				
4				

ON ICE/4°C ☐ YES ☐ NO SHIPPED VIA: Client

Advanced
Environmental Laboratories, Inc.

8936 Western Way • Suite 7
Jacksonville, Florida 32256
(904) 363-9350
FAX (904) 363-9354

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/WolfRanch	**Date Sampled:**	Various
Project No.:	3692-4/3474	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
Address:	P.O. Box 351419 Jacksonville, FL 32235-1419	**Project Chemist:**	KB/KC/PW
		Page No.:	1 of 6
Attention:	Jessica Antonacci		

Sample Description

The following water samples were submitted by Environmental Remediation Services, Inc. on 1/11/01 for analysis outlined on the attached Chain of Custody:

Project Name: First Union
Project #: 3692-4/3474

1. AST-TW-1 @ 11:15;1/10/01

Approved by: _____
Jolene C. Warnke-Roszel, Project Manager

HRS# 82533,E82574
DEP# 940242

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	2 of 6

Volatile Halocarbons & Aromatic Hydrocarbons
EPA Method 5035/8260H+A
Units: µg/L

		Lab Code:	J010100-1	J010098-mb
		Dilution Factor:	1	1
		Date Analyzed:	1/13/01	1/13/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Cis 1,2-Dichlorothene	1		U	U
Dichlorodifluoromethane	1		U	U
Chloromethane	1		U	U
Vinyl Chloride	1		U	U
Bromomethane	1		U	U
Chloroethane	1		U	U
Trichlorofluoromethane	1		U	U
1,1-Dichloroethene	1		U	U
Methylene Chloride	1		U	U
Methyl-*tert*-butyl Ether	1		U	U
trans-1,2-Dichloroethene	1		U	U
1,1-Dichloroethane	1		U	U
Chloroform	1		U	U
1,1,1-Trichloroethane	1		U	U
Carbon Tetrachloride	1		U	U
1,2-Dichloroethane	1		U	U
Benzene	1		U	U
Trichloroethene	1		U	U
1,2-Dichloropropane	1		U	U
Bromodichloromethane	1		U	U
cis-1,3-Dichloropropene	1		U	U
Toluene	1		U	U
trans-Dichloropropene	1		U	U
1,1,2-Trichloroethane	1		U	U
Tetrachloroethene	1		U	U
Dibromochloromethane	1		U	U
Chlorobenzene	1		U	U
Ethylbenzene	1		U	U
m&p-Xylenes	1		1.7	U
o-Xylene	1		U	U
Bromoform	1		U	U
1,1,2,2-Tetrachloroethane	1		U	U
1,3-Dichlorobenzene	1		U	U
1,4-Dichlorobenzene	1		U	U
1,2-Dichlorobenzene	1		U	U
Surrogates	**Acceptance Limits**		**Percent Recovery**	**Percent Recovery**
1,2-Dichloroethane-d4	80-120		110	91
Toluene-d8	88-110		101	97
4-Bromofluorobenzene	86-115		93	95

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	3 of 6

Polynuclear Aromatic Hydrocarbons
EPA Methods 3510C/8310
Units: ug/L

		Lab Code:	J010100-1	J010098-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/12/01	1/12/01
		Date Analyzed:	1/17/01	1/17/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Acenaphthylene	1		U	U
Naphthalene	1		5.56	U 20
Acenaphthene	1		U	U
2-Methylnaphthalene	1		36.9	U 20
1-Methylnaphthalene	1		11.6	U 20
Fluorene	1		2.18	U 280
Phenanthrene	1		U	U
Anthracene	1		U	U
Fluoranthene	1		U	U
Pyrene	1		U	U
Benzo(a)anthracene	0.2		U	U
Chrysene	1		U	U
Benzo(b)fluoranthene	0.2		U	U
Benzo(k)fluoranthene	0.5		U	U
Benzo(a)pyrene	0.2		U	U
Dibenzo(ah)anthracene	0.2		U	U
Indeno-1,2,3(cd)pyrene	0.2		U	U
Benzo(ghi)perylene	1		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Decafluorobiphenyl	20-115	82	111

U Not detected above the MRL
MRL Method Reporting Limit

Client: Environmental Remediation Services, Inc.
Project Name: First Union/Wolf Ranch
Matrix: Water

Report No.: J010100A
Date Sampled: Various
Date Submitted: 1/11/01
Date Reported: 1/19/01

Florida Petroleum Residual Organics
EPA Method 3510C/FL-PRO
Units: µg/L

		Lab Code:	J010100-1	J010100-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/17/01	1/17/01
		Date Analyzed:	1/17/01	1/17/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Octane (C_8)	10		U	U
Decane (C_{10})	10		U	U
Dodecane (C_{12})	10		U	U
Tetradecane (C_{14})	10		U	U
Hexadecane (C_{16})	10		U	U
Octadecane (C_{18})	10		U	U
Eicosane(C_{20})	10		U	U
Docosane (C_{22})	10		U	U
Tetracosane (C_{24})	10		U	U
Hexacosane (C_{26})	10		U	U
Octacosane (C_{28})	10		U	U
Triacosane (C_{30})	10		U	U
Dotriacotane (C_{32})	10		U	U
Tetratriacontane (C_{34})	10		U	U
Hexatriacotane (C_{36})	10		U	U
Octatriacotane (C_{38})	10		U	U
Tetracotane (C_{40})	10		U	U
TOTAL PHS	200		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Ortho-terphenyl (OTP)	42-142	43	99
Nonatria-contane (C39)	42-193	66	100

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client: Environmental Remediation Services, Inc.
Project Name: First Union/ Wolf Ranch
Matrix: Water

Report No.: J010100A
Date Sampled: Various
Date Submitted: 1/11/01
Date Reported: 1/19/01

Ethylene Dibromide
EPA Method 504.1
Units: µg/L

		Lab Code:	J010100-1	J010100-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/17/01	1/17/01
		Date Analyzed:	1/18/01	1/18/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Ethylene Dibromide (EDB)	0.02		U	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.02		U	U

Surrogate	Acceptance Limit	Percent Recovery	Percent Recovery
Tetrachloro-*m*-xylene	15-131	103	111

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	6 of 6

Total Lead
EPA Method 6010B
Units: mg/L

Sample Name	Lab Code	Date Analyzed	MRL	Sample Result
AST-TW-1	J010100-1	1/12/01	0.005	0.42
Method Blank	J010090-mb	1/12/01	0.005	U

U Not detected above the MRL
MRL Method Reporting Limit

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

DEP Form # 62-761.900(5)
Form Title: UST Contractor Form
Effective Date: July 13, 1998

Underground Storage System Installation and Removal Form for Certified Contractors

Pollutant Storage Systems Contractor as defined in Section 489.113, Florida Statutes (certified contractors as defined in Section 62-761.200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the underground storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards. This includes system components such as dispenser liners, piping sumps, and overfill protection devices.

General Facility Information

Facility Name: Wolfe Ranch	DEP Facility Identification No.: 8631076
Street Address (physical location): 6260 Highway 169, St. Augustine, FL 32092	
County: St. Johns	Telephone #: ( )
Owner Name: First Union National Bank as Trustee	Telephone #: (904) 489-1029
Owner Address: 214 North Hogan Street, Jacksonville, FL 32203	

Storage Tank System Information

Number of Tanks Installed: -0-	Number of Tanks Removed: 2
Date Work Initiated: 12/28/00	Date Work Completed: 1/15/01
Tank(s) Manufactured by: Unknown	
Description of work Completed: Removal and disposal of 2 - 1,000 gallon aboveground storage tanks, dispensers and containment area.	

Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Protection; that to the best of my knowledge and belief, the storage tank system installation, replacement or removal at this facility was conducted in accordance with Chapter 489, Florida Statutes, Section 376.303, Florida Statutes, and Chapter 62-761, Florida Administrative Code, and its adopted reference standards and documents for underground storage tank systems.

Environmental Remediation Services, Inc.	PCC048415
(Type or Print) Certified Pollutant Tank Contractor Name	PSSC Number Pollutant Storage Systems Contractor License Number
Chad M. Dunn	2/9/01
Certified Tank Contractor Signature	Date
John Anderson	2/9/01
Field Supervisor Name	Date

The owner or operator of the facility must register the tanks with the Department upon completion of the installation. The installer must submit this form to the County no more than 30 days after the completion of installation, replacement, or removal of a storage tank system.

Department of Environmental Protection

Twin Towers Office Building • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DEP Form 62-761.900(8)
Form Title: Limited Closure Summary Report
Effective Date: July 13, 1998

Limited Closure Summary Report

This form is required for facilities that have sites with documented contamination requiring a site assessment in accordance with Chapter 62-770, F.A.C. This includes those facilities that are eligible for the Early Detection Incentive Program (EDI), the Florida Petroleum Liability and Restoration Insurance Program (FPLRIP), and the Petroleum Cleanup Participation Program (PCPP), pursuant to Sections 376.3071 and 376.3072, F.S. Documentation of procedures followed, and results obtained during closure shall be reported in this form, along with any attachments. This form shall be submitted to the County within 60 days of completion of the closure in accordance with Section A of the "Storage Tank System Closure Assessment Requirements."

Complete All Applicable Blanks. Please Print or Type

General Information

Date 2/9/01	FDEP Facility ID Number 8631076	County St. Johns
Facility Name Wolfe Ranch	Facility Telephone #: ( )	
Facility Address: 6260 Highway 169, St. Augustine, FL 32092		
Owner or Operator Name: First Union National Bank as trustee	Owner/Operator phone #: (904) 489-1029	
Mailing Address: 214 North Hogan Street, Jacksonville, FL 32203		

Storage Tank System Closure Information

1. Were the storage tanks(s): (Check one or both)

☒ Aboveground	☐ Underground

2. General System Information

Types of Products Stored: DIESEL FUEL & GASOLINE	Number of Tanks Closed 2	Age(s) of Tanks 10 years

3. Was the Limited Closure Summary Report Performed as a Result of: (check one or more)

☒ Tank Systems Removal?	☐ Spill Containment Installation?	☐ Change in Storage to a Non-Regulated Substance?
☐ Tank Systems Closed in Place?	☐ Dispenser Liners Installation?	☐ Release Prevention Barrier Installation?
☐ Piping Sump Installation?	☐ Secondary Containment Installation?	☐ Other? (please explain)

4. Please Check Yes or No to the following:

a. Was there previously reported contamination discovered on site? If yes, was	☐ Yes	☒ No
1. A Discharge Report Form submitted to the County?	☐ Yes	☐ No
2. An investigation performed in accordance with Rule 62-761.820, F.A.C.?	☐ Yes	☐ No
b. Is the depth to groundwater less than 20 feet?	☒ Yes	☐ No
c. Are there monitoring wells on site? If yes, were they	☐ Yes	☒ No
1. Groundwater monitoring wells?	☐ Yes	☐ No
2. Vapor monitoring wells?	☐ Yes	☐ No
3. Used for closure assessment sampling?	☐ Yes	☐ No
4. Properly closed?	☐ Yes	☐ No
5. Retained for site assessment purposes?	☐ Yes	☐ No
d. If tanks were replaced, were contaminated soils returned to the tank excavation?	☐ Yes	☒ No

Signature of owner or operator	Signature of person performing Limited Closure Assessment	Jayson Smith Name of person performing Limited Closure Assessment
(date)	(date) 2/9/01	Affiliation Environmental Remediation Svcs

Discharge Report Form

PLEASE PRINT OR TYPE

Instructions are on the reverse side. Please complete all applicable blanks

1. Facility ID Number (if registered): 8631076 2. Date of form completion: 1-23-01

3. General information
Facility name or responsible party (if applicable): Wolfe Ranch
Facility Owner or Operator, or Discharger: First Union National Bank as Trustee
Contact Person: Suzi Renehan Telephone Number: (904) 489-1029 County: Duval
Facility or Discharger Mailing Address: 245 N. Hogan St. Jacksonville Florida 32203
Location of Discharge (street address): 6260 Hwy 1&5 & Hwy 16 St. Augustine Florida 32092
Latitude and Longitude of Discharge (if known)

4. Date of receipt of test results or discovery of confirmed discharge: 1-22-01 month/day/year

5. Estimated number of gallons discharged: unknown

6. Discharge affected: [ ] Air [ ] Soil [✓] Groundwater [ ] Drinking water well(s) [ ] Shoreline [ ] Surface water (water body name)

7. Method of discovery (check all that apply)

[ ] Liquid detector (automatic or manual)	[ ] Internal inspection	[✓] Closure/Closure Assessment
[ ] Vapor detector (automatic or manual)	[ ] Inventory control	[✓] Groundwater analytical samples
[ ] Tightness test	[ ] Monitoring wells	[ ] Soil analytical tests or samples
[ ] Pressure test	[ ] Automatic tank gauging	[ ] Visual observation
[ ] Statistical Inventory Reconciliation	[ ] Manual tank gauging	[ ] Other

8. Type of regulated substance discharged: (check one)

[ ] Unknown	[ ] Used/waste oil	[ ] Jet fuel	[ ] Heating oil	[ ] New/lube oil
[ ] Gasoline	[ ] Aviation gas	[✓] Diesel	[ ] Kerosene	[ ] Mineral acid

[ ] Hazardous substance - includes CERCLA substances from USTs above reportable quantities, pesticides, ammonia, chlorine, and derivatives (write in name or Chemical Abstract Service (CAS) number)
[ ] Other

9. Source of Discharge: (check all that apply)

[ ] Dispensing system	[ ] Pipe	[ ] Barge	[ ] Pipeline	[ ] Vehicle
[✓] Tank	[ ] Fitting	[ ] Tanker ship	[ ] Railroad tanker	[ ] Airplane
[ ] Unknown	[ ] Valve failure	[ ] Other Vessel	[ ] Tank truck	[ ] Drum

[ ] Other

10. Cause of the discharge: (check all that apply)

[ ] Loose connection	[ ] Puncture	[✓] Spill	[ ] Collision	[ ] Corrosion
[ ] Fire/explosion	[ ] Overfill	[ ] Human error	[ ] Vehicle Accident	[ ] Installation failure

[ ] Other

11. Actions taken in response to the discharge: Above ground storage tanks were cleaned out and removed from the storage dike. The dike was torn down and the soil was excavated. The excavation was backfilled with clean dirt.

12. Comments:

13. Agencies notified (as applicable):

[ ] State Warning Point 1-800 320-0519	[ ] National Response Center 1-800-424-8802	[ ] Florida Marine Patrol (800) 342-5367	[ ] Fire Department	[ ] DEP (district/person) [✓] County Tanks Program

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

X Suzi Renehan A.V.P. — Printed Name of Owner, Operator or Authorized Representative, or Discharger

Suzi Renehan A.V.P. — Signature of Owner, Operator or Authorized Representative, or Discharger

Suzi Renehan

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

Form Title: Storage Tank Registration Form
Effective Date: July 13, 1998
DEP Application No. _____ (Filled in by DEP)

Storage Tank Facility Registration Form

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes.

Please review Registration Instructions before completing the form.

Please check all that apply:	[ ] New Registration	[ ] New Owner	[ ] New Tanks
	[√] Facility Info Update/Correction	[ ] Owner Info Update/Correction	[√] Tank Info Update/Correction

A. FACILITY INFORMATION County: St. Johns DEP Facility ID: 8600646

Facility Name: Wolfe Ranch
Facility Address: 6760 Hwy 16A & Hwy 16 City: St. Augustine Zip: 32092
Facility Contact: Diane Ross Business Phone: (904) 522-0463
Facility Type(s): _____ NAICS Code: _____ Financial Responsibility: _____

24 Hour Emergency Contact: _____ Emergency Phone: ( )

B. RESPONSIBLE PERSON INFORMATION - Identify Individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. Provide additional information in an attachment if necessary.

Name: First Union National Bank of Trustee	Facility - Responsible Person Relation Type:	Effective Date
Mail address: 214 N. Hogan St.	[√] Facility Account Owner (pays fees)	
City, ST, Zip: Jacksonville, Florida 32203	Facility Account Owner information must be provided when the facility contains active (in-use) storage tanks on site.	
Contact: Suzi Renehan Asst. Vice President		
Telephone: 904/489-1029	STCM Account Number (if known)	
Identify other appropriate facility relationships for this party: [ ] Facility Owner/Operator [√] Property Owner [ ] Storage Tank Owner		

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date	Construction	Piping	Monitoring
1	T	A	1000	7-1-92	D	T 1-5-01	CK	SA	D
2	T	A	1000	7-1-92	D	T 1-5-01	CK	SA	D

Certified Contractor (performing tank installation or removal): Environmental Remediation Svc. DBPR License No.: PCC048415

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

X Suzi Renehan, A.V.P. Suzi Renehan, A.V.P. 1-22-01
Printed Name & Title Signature Date

DEP 62-761.900(2)

Northwest District 160 Governmental Center Blvd. Pensacola, FL 32501 850-595-8360
Northeast District 7825 Baymeadows Way, Suite B200 Jacksonville, FL 32256 904-448-4300
Central District 3319 Maguire Blvd., Suite 232 Orlando, FL 32803 407-894-7555
Southwest District 3804 Coconut Palm Drive Tampa, FL 33619 813-744-6100
Southeast District 400 North Congress Ave., W Palm Beach, FL 33416 561-681-6600
South District 2295 Victoria Ave., Suite 364 Fort Myers, FL 33901 941-332-6975
Marathon Branch Office 2796 Overseas Hwy., Suite 221 Marathon, FL 33050 305-289-2310

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1
Not Required	6041 2	

GENERATOR

3. Generator's Name and Mailing Address
Wolfe Ranch % First Union Bank (St. Augt. Fl.)
214 N Hogan St. Jax. Fl. 32203

4. Generator's Phone (904) 489-1029 Contact: Suzi Rankin

5. Transporter 1 Company Name	6. US EPA ID Number
Environmental Remediation Services	FLD984261412
7. Transporter 2 Company Name	8. US EPA ID Number

9. Designated Facility Name and Site Address	10. US EPA ID Number
Industrial Water Services 1640 Talleyrand Ave Jax. Fl. 32206	FLD981928484

A. Transporter's Phone 9047414744
B. Transporter's Phone n/a
C. Facility's Phone 904

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Haz oily Waste Water	001	TT	00670	G
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above
N/A

E. Handling Codes for Wastes Listed Above
N/A

15. Special Handling Instructions and Additional Information
Job # 3474
IWS Appv. #6600

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
John Anderson (Agent)		12	28	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Jon E Ross		12	28	00

ORIGINAL – RETURN TO GENERATOR

5. Transporter 1 Company Name: Pritchett Trucking	6. US EPA ID Number: Not Required	A. Transporter 1 Phone: 800/486-750	
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Kedesh Inc. 901 Hwy No. 17 North Kingsland, Georgia 31548	10. US EPA ID Number: G 9 5 1 0 2 0 1 1 3 1 5	C. Facility's Phone: 912/579-9979	

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0023	
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
N/A TRUCK # 737	N/A

15. Special Handling Instructions and Additional Information

ERS Project No.3474
ERS Manifest No: 3374-1

Emergency Contact: Environmental Remediation Services, Inc (904)741-4744

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
AGENT JAYSON SMITH	Jayson Smith	10	26	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Darryl Ball	Darryl Ball	10	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

6. Transporter 1 Company Name: Pritchard Inc.	7. US EPA ID Number: Not Required	A. Transporter's Phone Number: 912/264-5043
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone Number
9. Designated Facility Name and Site Address: Kedesh Inc. 901 Hwy No. 17 North Kingsland, Georgia 31548	10. US EPA ID Number: 2.9.5.1.0.2.0.1.1.3.1.5	C. Facility's Phone: 912/579-9979

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0023	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
N/A TRUCK # 729	N/A

15. Special Handling Instructions and Additional Information

ERS Project No. 3474
ERS Manifest No: 3374-2

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
AGENT - JAYSON SMITH	Jayson Smith	10	01	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Brian Ball		10	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

5. Transporter 1 Company Name | US EPA ID Number | A. Transporter's Phone

7. Transporter 2 Company Name | US EPA ID Number | B. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | C. Facility's Phone

Kedeah Inc.
901 Hwy No. 17 North
Kingsland, Georgia 31548 | 0 9 5 1 0 2 0 1 1 3 3 5 | 912/579-3379

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0013	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information

TKF 314

ERS Project No. 3474
ERS Manifest No: 3374-3

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		07	21	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Lewis	Tommy Lewis	07	21	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR — TRANSPORTER — FACILITY

GENERATOR'S COPY

6. Transporter 1 Company Name: Not Required	7. US EPA ID Number	A. Transporter 1 Phone: 800/486-7504
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter 2 Phone
9. Designated Facility Name and Site Address: Kedesh Inc. 901 Hwy No. 17 North Ringsland, Georgia 31548	10. US EPA ID Number: 2 9 5 1 0 2 0 1 1 3 1 5	C. Facility's Phone: 912/579-9979

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0.0023	
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
N/A	N/A

15. Special Handling Instructions and Additional Information

ERS Project No.3474
ERS Manifest No: 3374-4

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Marcus Lewis Agent		02	01	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Marshall Parker		02	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

5. Transporter 1 Company Name: Privett Trucking	6. US EPA ID Number: [illegible]	A. Transporter 1 Phone: 706-7504
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter 2 Phone
9. Designated Facility Name and Site Address Kedesh Inc. 901 Hwy No. 17 North Kingsland, Georgia 31548	10. US EPA ID Number G 9 5 1 0 2 0 1 1 3 1 5	C. Facility's Phone 912/579-9979

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	00023	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
N/A	N/A

15. Special Handling Instructions and Additional Information

ERS Project No 3474
ERS Manifest No: 3374-5

TRUCK # 372

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]				

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

5. Transporter 1 Company Name: Pritchett Trucking	6. US EPA ID Number: NOT REQUIRED	A. Transporter's Phone: 800-486-7504
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address: Kedesh INC. 901 Hwy. No. 17 North Kingsland, GA 31548	10. US EPA ID Number: G.9.5.1.0.2.0.1.1.3.1.5	C. Facility's Phone: 912-579-9979

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	13. Unit Wt./Vol.
a. Non-Hazardous Petroleum Impacted Soil	001	DT	00023	
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
N/A	

15. Special Handling Instructions and Additional Information

ER - Project No. 3474

ER - Manifest No. 7474-c

TR = 464

Emergency Contact: Environmental Remediation Services, INC (904) 741-4744

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
AGENT Marcus Crews		02	01	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		02	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR — TRANSPORTER — FACILITY

GENERATOR'S COPY

OVA-PID Screening Results:

First Union / Wolfe Ranch AST
6260 Hwy 16a & Hwy 16
St. Augustine, Florida 32092

Re: Wolfe Ranch AST OVA-PID Screening Results

Sample Location	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)
A	1	1.7	2	5.0	3*	24.0	4*	2.3
A-wall	1	96	2	88.5	3*	14.9		
B	1	2.2	2	2.4	3*	1.7		
C	1	1.7	2	2.0	3*	1.9		
D	1	1.6	2	1.5	3*	2.1		
E	1	46	2	26	3*	17	4*	2.6
F	1	40	2	21	3*	12	4*	5.0

ppm = parts per million
ft-bls = feet below land surface

* = groundwater and excavation completion

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

Storage Tank Facility Registration Form

Submit a completed form for the facility when registration of storage tank(s) or compressor vessel is required by Chapter 376.303, Florida Statutes.

Please read instructions before completing this form.

Please check all that apply: [ ] New Facility [ ] Facility Ownership Change [ ] Tank Status Change [ ] Tank Upgrade [ ] Tank Removal [ ] Tank Closure-In-Place [ ] Other Correction

A. FACILITY INFORMATION

Caller: DEP Facility ID: 7860-9[illegible]

Facility Name: Wolfe Ranch

Facility Address: 6260 Hwy 1 & Hwy 16 City: St. Augustine Zip: 32092

Facility Contact: Diane Ross Business Phone: (904) 522-0463

Facility Type(s): NAICS Code: Financial Responsibility:

24 Hour Emergency Contact: Emergency Phone: ( )

B. RESPONSIBLE PERSON INFORMATION - Identify individual(s) or business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. Provide additional information in an attachment if necessary.

Name: First Union National Bank of Florida	Facility - Responsible Person Relation Type:	Effective Date
Mail address: 214 N. Hogan St.	[√] Facility Active(s) Owner (pays fees)	
City, ST, Zip: Jacksonville, Florida 32202	Facility Account Owner information must be provided when the facility contains active (in-use) storage tanks on site.	
Contact: Suzi Renehan Asst. Vice President		
Telephone: 904 / 489-1029	STCM Account Number (if known)	
Identify other appropriate facility relationships for this party: [ ] Facility Owner/Operator [√] Property Owner [ ] Storage Tank Owner		

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date	Construction	Piping	Monitoring
1	T	A	1000	7-1-90	D	T 1-5-01	CK	SA	G
2	T	A	1000	7-1-90	D	T 1-5-01	CK	SA	G

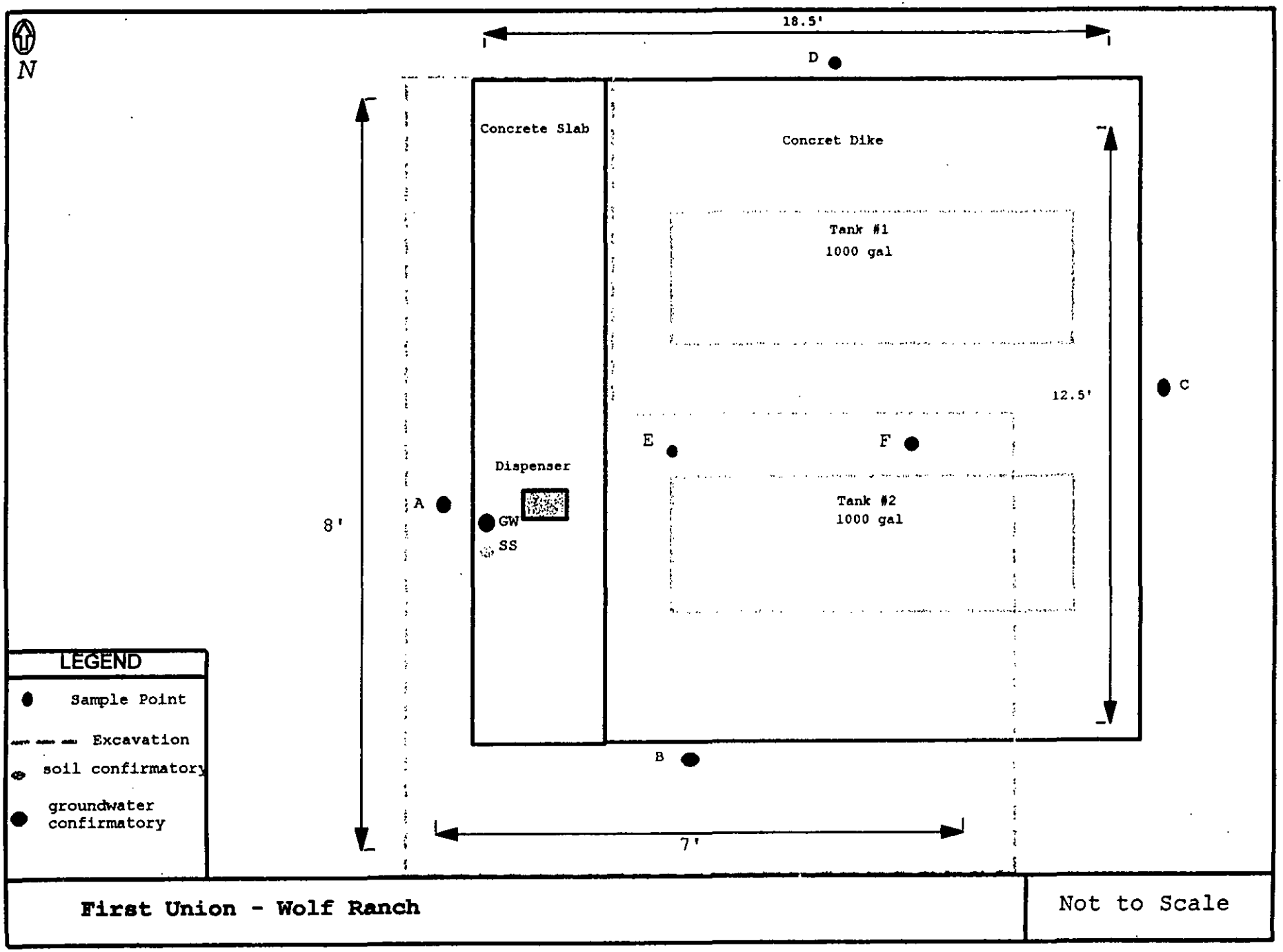
Certified Contractor (performing tank installation or removal): Environmental Remediation Svc. DBPR License No.: PCC048415

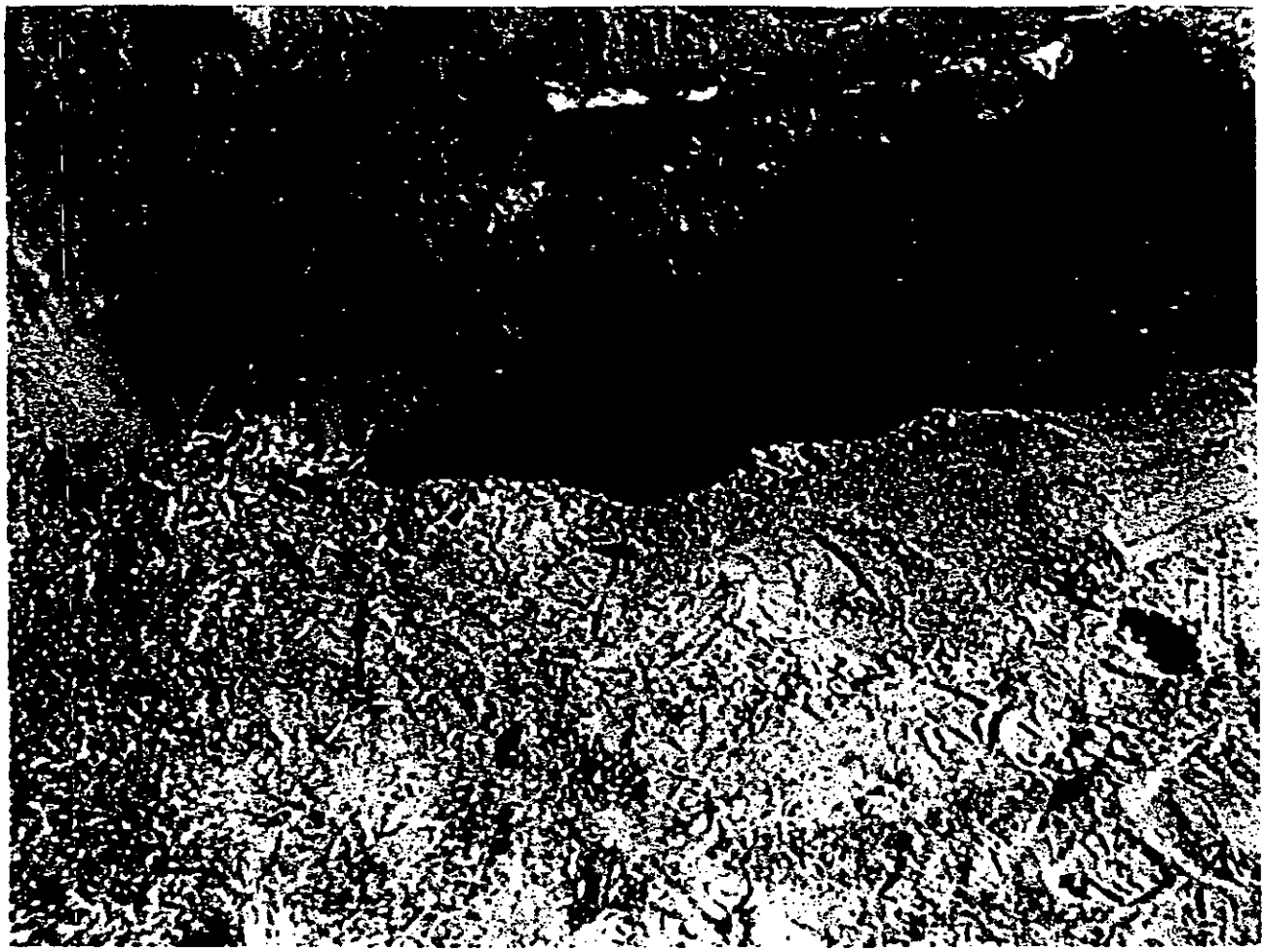
Registration Certification: To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

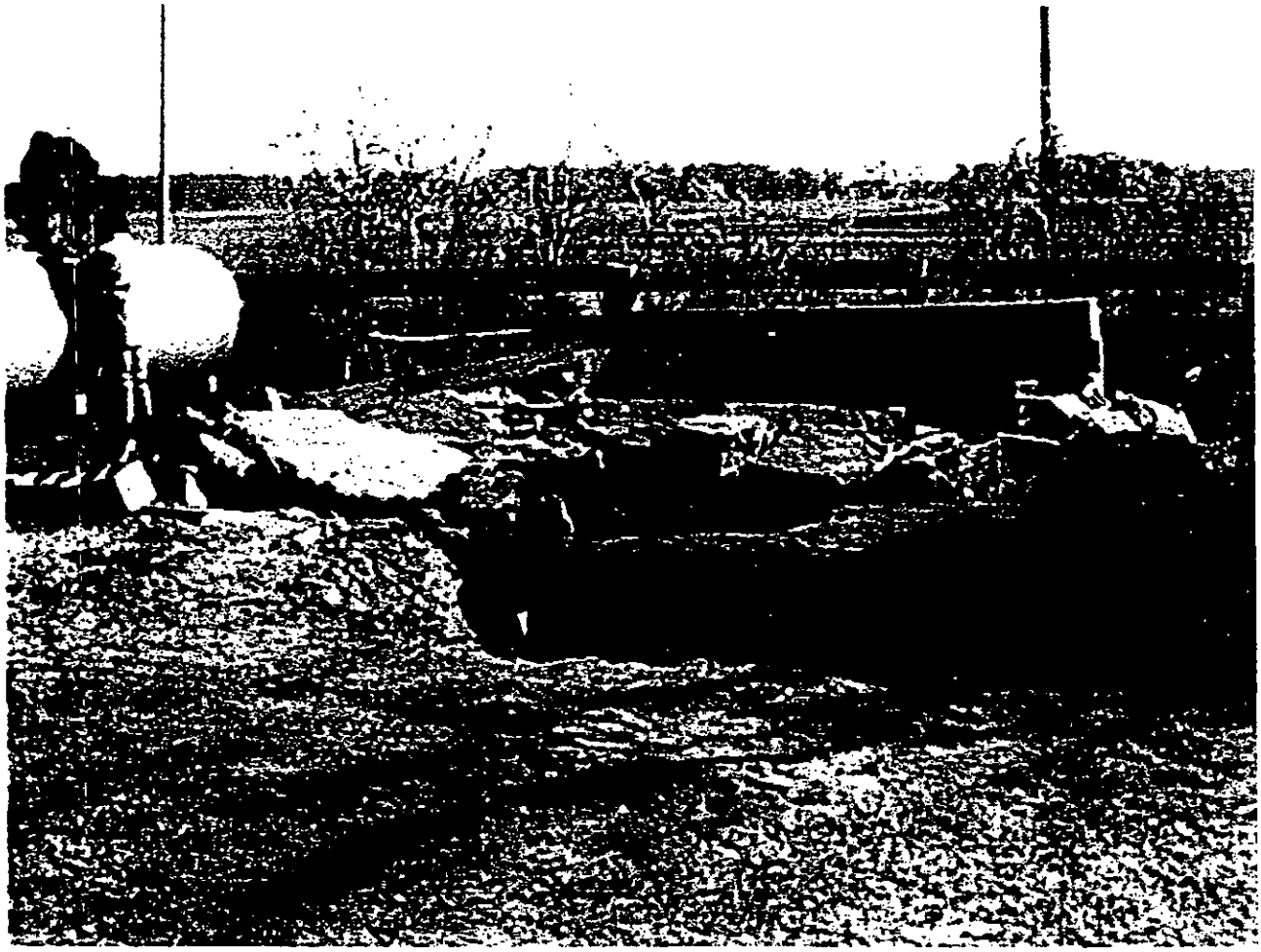
X Suzi Renehan, A.V.P. Suzi Renehan, A.V.P. 1-23-01
Printed Name & Title Signature Date

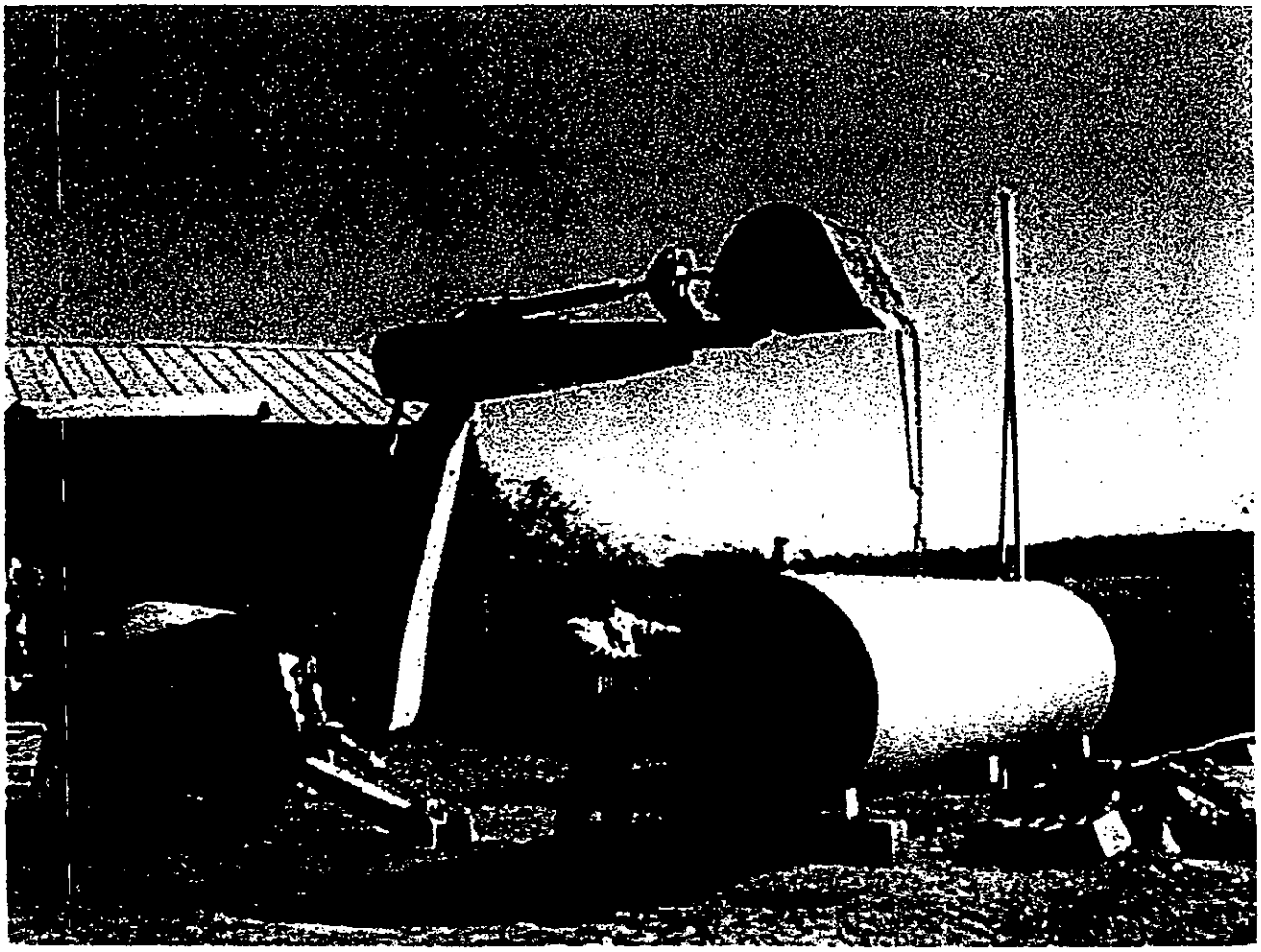
DEP 62-761.900(2)

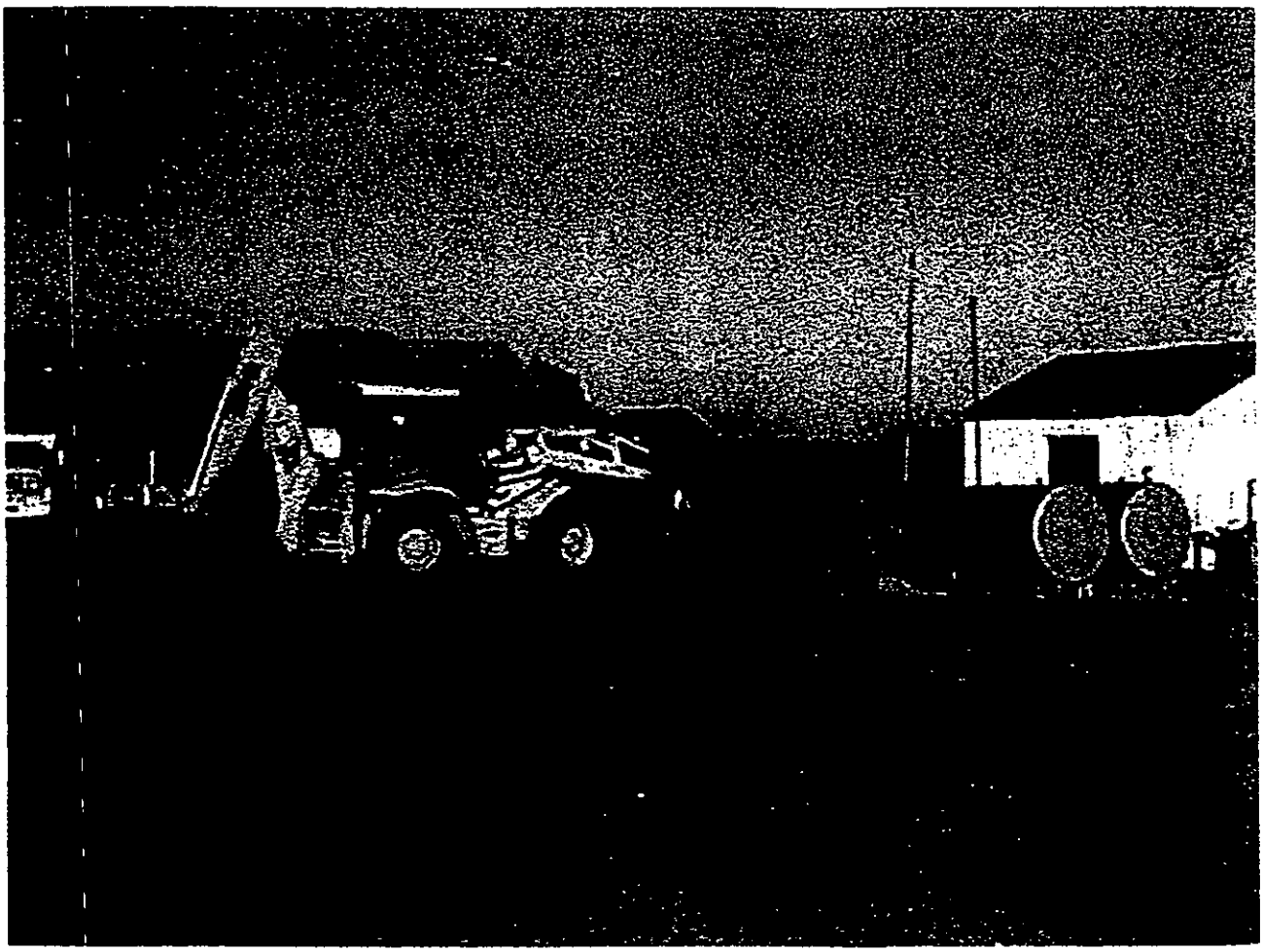
Northwest District 160 Governmental Center Blvd. Pensacola, FL 32501 850-595-8300
Northeast District 7825 Baymeadows Way, Suite B200 Jacksonville, FL 32256 904-448-4300
Central District 3319 Maguire Blvd., Suite 232 Orlando, FL 32803 407-894-7555
Southwest District 3804 Coconut Palm Drive Tampa, FL 33619 813-744-6100
Southeast District 400 North Congress Ave., W Palm Beach, FL 33416 561-681-6600
South District 2295 Victoria Ave., Suite 364 Fort Myers, FL 33901 941-332-6975
Marathon Branch Office 2796 Overseas Hwy., Suite 221 Marathon, FL 33050 305-289-2310

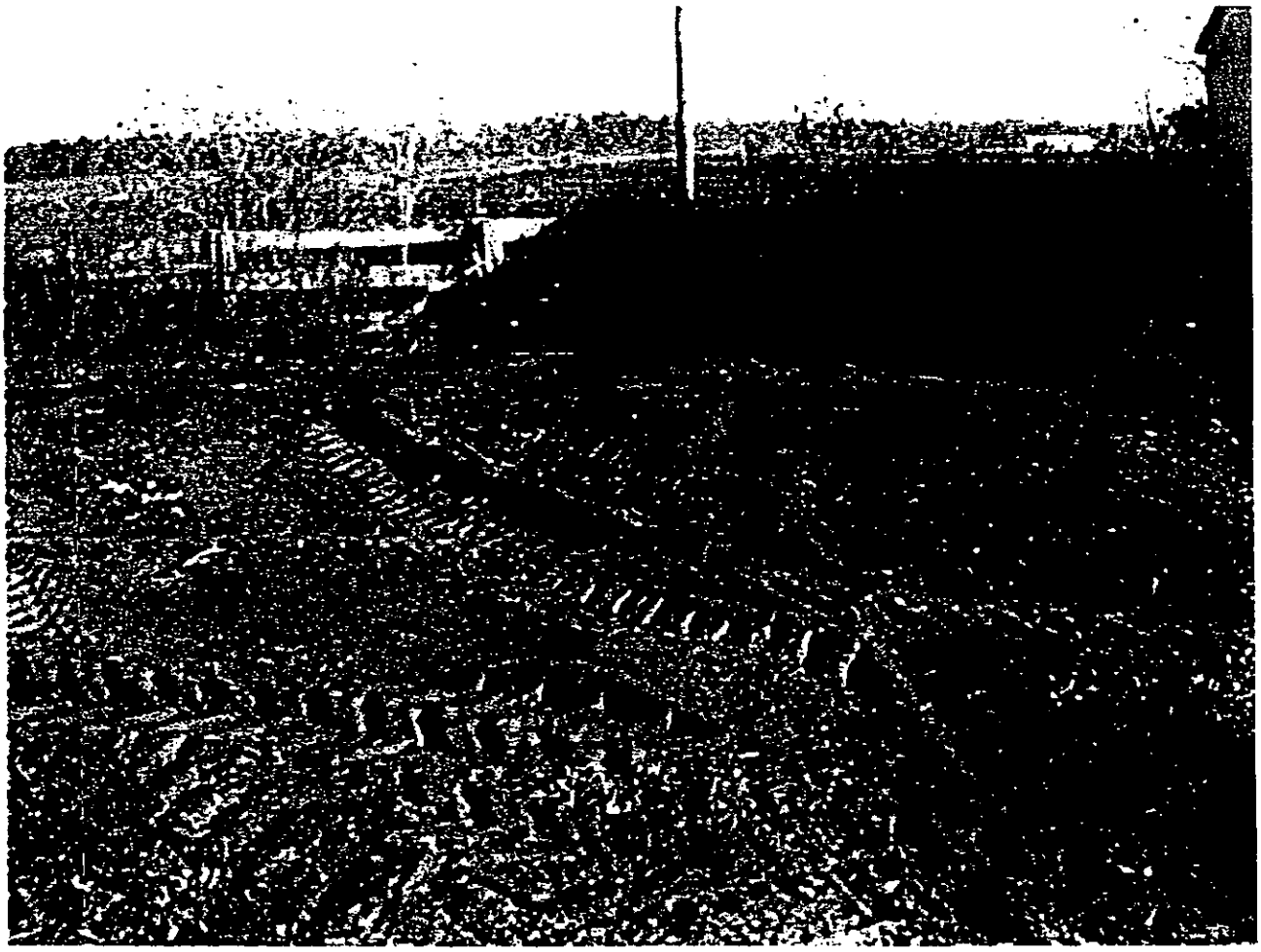

N
18.5'
D
Concrete Slab
Concret Dike
Tank #1
1000 gal
12.5'
C
E
F
Dispenser
A
GW
SS
Tank #2
1000 gal
8'
B
7'
LEGEND
Sample Point
Excavation
soil confirmatory
groundwater confirmatory
First Union - Wolf Ranch
Not to Scale











APPENDIX B

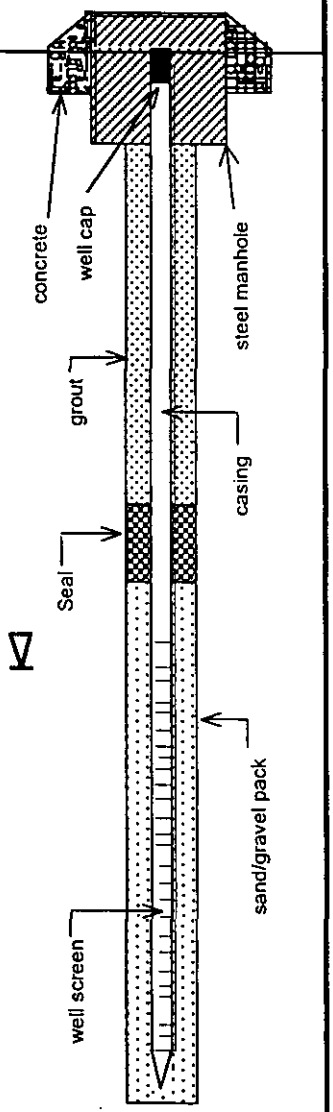
Monitoring Well Construction Logs

WELL LOG: MW-1

Permit #	01-0672	Drill Date	07/16/01	Site	Wolfe Ranch #1
Client	First Union	Use	Monitor Well	E&A Project #	01-7087
Site Address	6260 Highway 16A, St. Augustine, FL.			Total Depth (ft)	12
Drilling Method	Hollow Stem Auger	Boring Depth (ft)	12	Boring Diam. (in)	10.5
Casing/Scrn. Mat	Sch -40 PVC	Csg/Scrn Diam (in)	2	Csg Length(ft)	12
Grout Type	Portland	Grout Interval (ft) 0	to 6"	Scrn Length (ft)	10
Csg Seal Type	Bentonite	Seal Interval (ft) 6"	to 1.5'	Scrn Slot Size (in)	0.010
Sand Pack Type	20/30	Sand Interval (ft) 1.5'	to 12'	Static Water Level	3
Rmrks		TOC Elevation (ft)	4.76	Sample Method	NA

Depth (ft.)	Sample ID	Sample Depth (ft)	Blows/ 6"	OVA (ppm) unf/fil	Geologic Description
0				0	
				0	0-3' SAND; Fine Grained; Light Brown.
				0	
5				0	3'-5' SAND; Fine Grained; Tan
					5'-7' SAND; Clayey, orange
10					7'-12' SAND; Fine Grained; Light gray-brown
					END OF BORING
15					
20					
25					
30					

Typical Diagram



Not to Scale

Notes:

Geologist: Eric Fuller

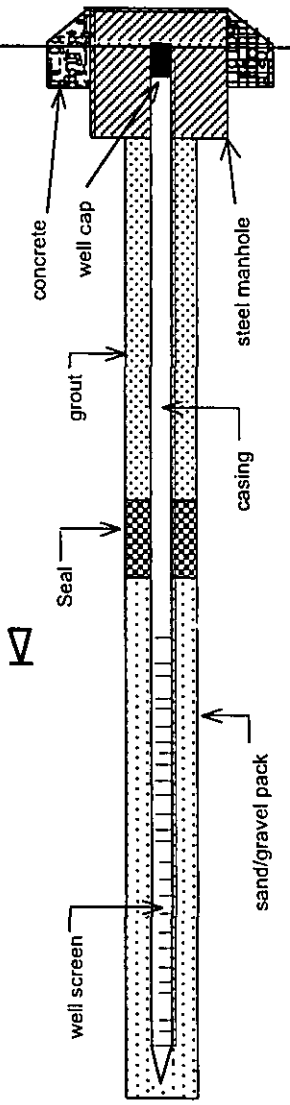
Driller: Ellis & Associates

WELL LOG: MW-2

Permit #	01-0672	Drill Date	07/16/01			Site	Wolfe Ranch #1
Client	First Union	Use	Monitor Well			E&A Project #	01-7087
Site Address	6260 Highway 16A, St. Augustine, FL.					Total Depth (ft)	12
Drilling Method	Hollow Stem Auger	Boring Depth (ft)	12			Boring Diam. (in)	10.5
Casing/Scrn. Mat	Sch -40 PVC	Csg/Scrn Diam (in)	2			Csg Length(ft)	12
Grout Type	Portland	Grout Interval (ft)	0	to	6"	Scrn Length (ft)	10
Csg Seal Type	Bentonite	Seal Interval (ft)	6"	to	1.5'	Scrn Slot Size (in)	0.010
Sand Pack Type	20/30	Sand Interval (ft)	1.5'	to	12'	Static Water Level	3
Rmrks		TOC Elevation (ft)	4.76			Sample Method	NA

Depth (ft.)	Sample ID	Sample Depth (ft)	Blows/ 6"	OVA (ppm) unf/fil	Geologic Description
0				0	
				0	0-3' SAND; Fine Grained; Light Brown.
				0	
				1	3'-5' SAND; Fine Grained; Tan
5					
					5'-7' SAND; Clayey, orange
10					7'-12' SAND; Fine Grained; Light gray-brown
					END OF BORING
15					
20					
25					
30					

Typical Diagram



Not to Scale

Notes:

Geologist: Eric Fuller

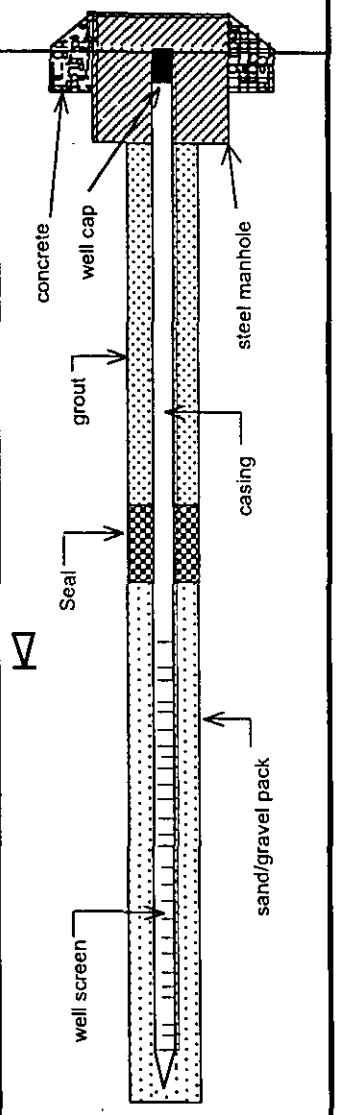
Driller: Ellis & Associates

WELL LOG: MW-3

Permit #	01-0672	Drill Date	07/16/01			Site	Wolfe Ranch #1
Client	First Union	Use	Monitor Well			E&A Project #	01-7087
Site Address	6260 Highway 16A, St. Augustine, FL.					Total Depth (ft)	12
Drilling Method	Hollow Stem Auger	Boring Depth (ft)	12			Boring Diam. (in)	10.5
Casing/Scrn. Mat	Sch -40 PVC	Csg/Scrn Diam (in)	2			Csg Length(ft)	12
Grout Type	Portland	Grout Interval (ft)	0	to	6"	Scrn Length (ft)	10
Csg Seal Type	Bentonite	Seal Interval (ft)	6"	to	1.5'	Scrn Slot Size (in)	0.010
Sand Pack Type	20/30	Sand Interval (ft)	1.5'	to	12'	Static Water Level	3
Rmrks		TOC Elevation (ft)	4.76			Sample Method	NA

Depth (ft.)	Sample ID	Sample Depth (ft)	Blows/ 6"	OVA (ppm) unf/fil	Geologic Description
0				0	
				0	0-2' SAND; Fine Grained; Dark Gray-Brown.
				0	
				20	2'-3.5' SAND; Fine Grained; Gray-Brown
5					
					3.5'-12' SAND; Fine Grained; Yellow-Brown
10					
					END OF BORING
15					
20					
25					
30					

Typical Diagram



Not to Scale

Notes:

Geologist: Eric Fuller

Driller: Ellis & Associates

APPENDIX C

Groundwater Sampling Logs

PETROLEUM OR PETROLEUM PRODUCT
WATER SAMPLING LOG

FDEP FACILITY NO.: N/A	WELL NO.:	SAMPLE ID: MW-1	DATE: 7/20/01
SITE NAME: WOLF RANCH	SITE LOCATION: Site #2		

PURGE DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 12.00	DEPTH TO WATER (ft): 2.80	WELL CAPACITY (gal/ft): .16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY =

= (12.00 - 2.80 = 9.2 X .16 = 1.4) x 5 vols = 7.3

PURGE METHOD: Peristaltic Pump

PURGING INITIATED AT: 1347 | PURGING ENDED AT: 1405

PURGE RATE (gpm): 1.50 | TOTAL VOLUME PURGED (gal): 7.5

WELL VOLUMES PURGED	CUMULATIVE VOLUME PURGED (gal)	pH	TEMPERATURE (°C)	CONDUCTIVITY (µmhos)	COLOR	ODOR	APPEARANCE	OTHER
5	7.5	N/A	N/A	N/A	N/A	none	clear	Turbidity N/A

SAMPLING DATA

SAMPLED BY / AFFILIATION: J. Thompson / Ellis + Assoc	SAMPLER(S) SIGNATURE(S): [signature]	
SAMPLING METHOD(S): Teflon Bailer	SAMPLING INITIATED AT: 1405	SAMPLING ENDED AT: 1424

FIELD-FILTERED: Y (N) | DUPLICATE: Y (N) | FIELD DECONTAMINATION: Y (N)

SAMPLE CONTAINER SPECIFICATIONS NO.	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
3	CG	40ml	HCl	—		8021 w/ Btex + mtBE
1	CG	40ml	HCl	—		EDB 8011
1	AG	1 liter	—	—		8100 PAH
1	AG	1 liter	H_2SO_4	—		FL-PRO
1	HDP	500ml	HNO_3	—		Pb

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

PETROLEUM OR PETROLEUM PRODUCT WATER SAMPLING LOG

FDEP FACILITY NO.: N/A	WELL NO.:	SAMPLE ID: MW 2	DATE: 7/20/01
SITE NAME: WOLF RANCH	SITE LOCATION: Site # 2		

PURGE DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 12.00	DEPTH TO WATER (ft): 2.63	WELL CAPACITY (gal/ft): .16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY =

= (12.00 - 2.63 = 9.37 X .16 = 1.4) x 5 vols = 7.4

PURGE METHOD: Peristaltic Pump

PURGING INITIATED AT: 1303 | PURGING ENDED AT: 1320

PURGE RATE (gpm): .50 | TOTAL VOLUME PURGED (gal): 7.5

WELL VOLUMES PURGED	CUMULATIVE VOLUME PURGED (gal)	pH	TEMPERATURE (°C)	CONDUCTIVITY (µmhos)	COLOR	ODOR	APPEARANCE	OTHER
5	7.5	N/A	N/A	N/A	N/A	NONE	clear	Turbidity N/A

SAMPLING DATA

SAMPLED BY / AFFILIATION: B Thompson / Ellis + Assoc

SAMPLER(S) SIGNATURE(S): B Thom

SAMPLING METHOD(S): Teflon Bailer

SAMPLING INITIATED AT: 1320 | SAMPLING ENDED AT: 1335

FIELD-FILTERED: Y (N) | DUPLICATE: Y (N) | FIELD DECONTAMINATION: Y (N)

SAMPLE CONTAINER SPECIFICATIONS NO.	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
3	CG	40mL	HCl	—		8021 w/ Btex + MTBE
1	CG	40mL	HCl	—		EDB 8011
1	AG	liter	—	—		8100 TAH
1	AG	liter	H_2SO_4	—		FL PRO
1	HDP	500mL	HNO_3	—		PB

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

PETROLEUM OR PETROLEUM PRODUCT
WATER SAMPLING LOG

FDEP FACILITY NO.: N/A	WELL NO.:	SAMPLE ID: MW 3	DATE: 7/20/01
SITE NAME: Wolf Ranch		SITE LOCATION: Site #1	

PURGE DATA

WELL DIAMETER (in): 2"	TOTAL WELL DEPTH (ft): 12.00	DEPTH TO WATER (ft): 2.71	WELL CAPACITY (gal/ft): .16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY =

= (12.00 - 2.71 = 9.29 X .16 = 1.4) x 5 vols = 7.4

WELL VOLUMES PURGED	CUMULATIVE VOLUME PURGED (gal)	pH	TEMPERATURE (°C)	CONDUCTIVITY (µmhos)	COLOR	ODOR	APPEARANCE	OTHER
5	7.5	N/A	N/A	N/A	N/A	NONE	CLEAR	Turbidity N/A

PURGE METHOD: Peristaltic Pump

PURGING INITIATED AT: 1225 | PURGING ENDED AT: 1240

PURGE RATE (gpm): .50 | TOTAL VOLUME PURGED (gal): 7.5

SAMPLING DATA

SAMPLED BY / AFFILIATION: B Thompson Ellis & Assoc

SAMPLER(S) SIGNATURE(S):

SAMPLING METHOD(S): ICE Bailer

SAMPLING INITIATED AT: 1240 | SAMPLING ENDED AT: 1253

FIELD-FILTERED: Y (N) | DUPLICATE: Y (N) | FIELD DECONTAMINATION: Y (N)

SAMPLE CONTAINER SPECIFICATIONS NO.	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
3	CG	40ml	HCl	—	—	8021 w BTEX+MTBE
1	CG	40ml	HCl	—	—	EDB 8011
1	AG	1 liter	—	—	—	8100 PAH
1	AG	1 liter	H_2SO_4	—	—	FL PRO
1	HDP	500ml	HNO_3	—	—	TB

REMARKS:

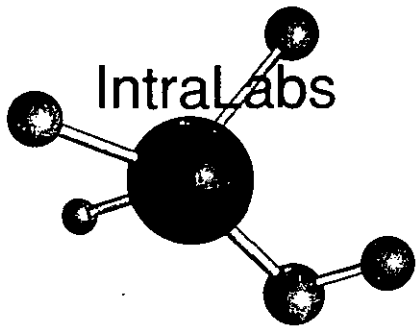
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

APPENDIX D

Laboratory Analytical Results



Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/23/2001
Log #: L54499-1

Sample Description:

Wolf #1

Analytical Report: SS-1
Date Sampled: 07/12/2001
Time Sampled: 14:10
Date Received: 07/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	84	%	SM2540B	0.10	07/14	07/14	KB
Volatile Aromatics/Halocarbons							
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.039	07/14	07/20	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0031	07/14	07/20	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
Cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
Trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.0079	07/14	07/20	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.00079	07/14	07/20	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/23/2001
Log #: L54499-1

Sample Description:

Wolf #1

Analytical Report: SS-1
Date Sampled: 07/12/2001
Time Sampled: 14:10
Date Received: 07/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Aromatics/Halocarbons (continued)							
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.039	07/14	07/20	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Dilution Factor	0.66		5035/8260		07/14	07/20	BL
Surrogate Recoveries:							
Dibromofluoromethane	129	%	5035/8260	52-155	07/14	07/20	BL
Toluene-D8	120	%	5035/8260	46-154	07/14	07/20	BL
4-Bromofluorobenzene	94.0	%	5035/8260	36-138	07/14	07/20	BL
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
2-Methylnaphthalene	BDL	mg/kg (dw)	3550/8270	0.24	07/17	07/18	GM
1-Methylnaphthalene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Acenaphthylene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Acenaphthene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Fluorene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Phenanthrene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Anthracene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Fluoranthene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Pyrene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Benzo(a)anthracene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Chrysene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Benzo(b)fluoranthene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Benzo(k)fluoranthene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Benzo(a)pyrene	BDL	mg/kg (dw)	3550/8270	0.071	07/17	07/18	GM
Indeno(1,2,3-c,d)pyrene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Dibenzo(a,h)Anthracene	BDL	mg/kg (dw)	3550/8270	0.071	07/17	07/18	GM
Benzo(g,h,i)perylene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Dilution Factor	1.0		3550/8270		07/17	07/18	GM
Surrogate Recoveries:							
Nitrobenzene-d5	60.0	%	3550/8270	15-121	07/17	07/18	GM
2-Fluorobiphenyl	80.0	%	3550/8270	42-111	07/17	07/18	GM
Terphenyl-d14	77.0	%	3550/8270	37-143	07/17	07/18	GM
Florida Petroleum Range Organics							

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Page: Page 3 of 3
Date: 07/23/2001
Log #: L54499-1

Sample Description:

Wolf #1

Analytical Report: SS-1
Date Sampled: 07/12/2001
Time Sampled: 14:10
Date Received: 07/14/2001
Collected By: Client

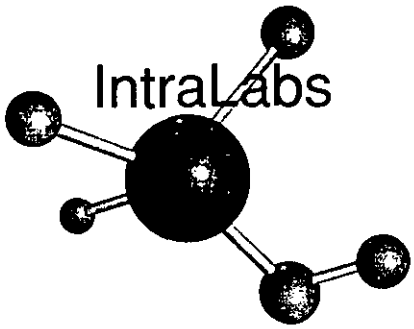
Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Florida Petroleum Range Organics (continued)							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	6.0	07/18	07/19	AW
Dilution Factor	1.0		FLPRO		07/18	07/19	AW
Surrogate Recoveries:							
o-Terphenyl	92.0	%	FLPRO	62-109	07/18	07/19	AW
Tritriacontane	67.0	%	FLPRO	60-118	07/18	07/19	AW

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL
Tests performed by US Biosystems, Inc.

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Thomas A. Carr
Principal



Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Page: Page 1 of 3
Date: 07/25/2001
Log #: L54582-1

Sample Description:

Wolf Ranch #1

Analytical Report: SS-2
Date Sampled: 07/16/2001
Time Sampled: 10:40
Date Received: 07/18/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	70	%	SM2540B	0.10	07/18	07/18	KB
Volatile Aromatics/Halocarbons							
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.079	07/19	07/23	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0063	07/19	07/23	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
Cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
Trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.016	07/19	07/23	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0016	07/19	07/23	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/25/2001
Log #: L54582-1

Sample Description:

Wolf Ranch #1

Analytical Report: SS-2
Date Sampled: 07/16/2001
Time Sampled: 10:40
Date Received: 07/18/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Aromatics/Halocarbons (continued)							
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.079	07/19	07/23	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Dilution Factor	1.1		5035/8260		07/19	07/23	BL
Surrogate Recoveries:							
Dibromofluoromethane	112	%	5035/8260	52-155	07/19	07/23	BL
Toluene-D8	79.0	%	5035/8260	46-154	07/19	07/23	BL
4-Bromofluorobenzene	53.0	%	5035/8260	36-138	07/19	07/23	BL
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
2-Methylnaphthalene	BDL	mg/kg (dw)	3550/8270	0.29	07/19	07/20	GG
1-Methylnaphthalene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Acenaphthylene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Acenaphthene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Fluorene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Phenanthrene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Anthracene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Fluoranthene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Pyrene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Benzo(a)anthracene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Chrysene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Benzo(b)fluoranthene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Benzo(k)fluoranthene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Benzo(a)pyrene	BDL	mg/kg (dw)	3550/8270	0.086	07/19	07/20	GG
Indeno(1,2,3-c,d)pyrene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Dibenzo(a,h)Anthracene	BDL	mg/kg (dw)	3550/8270	0.086	07/19	07/20	GG
Benzo(g,h,i)perylene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Dilution Factor	1.0		3550/8270		07/19	07/20	GG
Surrogate Recoveries:							
Nitrobenzene-d5	80.0	%	3550/8270	15-121	07/19	07/20	GG
2-Fluorobiphenyl	95.0	%	3550/8270	42-111	07/19	07/20	GG
Terphenyl-d14	120	%	3550/8270	37-143	07/19	07/20	GG
Florida Petroleum Range Organics							

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/25/2001
Log #: L54582-1

Sample Description:

Wolf Ranch #1

Analytical Report: SS-2
Date Sampled: 07/16/2001
Time Sampled: 10:40
Date Received: 07/18/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Florida Petroleum Range Organics (continued)							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	7.1	07/19	07/21	AW
Dilution Factor	1.0		FLPRO		07/19	07/21	AW
Surrogate Recoveries:							
o-Terphenyl	92.0	%	FLPRO	62-109	07/19	07/21	AW
Tritriacontane	91.0	%	FLPRO	60-118	07/19	07/21	AW

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL
Tests performed by US Biosystems, Inc.

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Thomas A. Carr
Principal

IntraLabs, Inc.

Chain of Custody Record

54499

SHORT-HOLD

Company Name: Ellis and Associates

Address: 7064 Davis Creek Road

City / State / Zip: Jacksonville, Fl. 32256

Project Name: Wolf # 1

Project Manager: Eric Fuller

LAB ANALYSIS

#	Sample Label	Date Collected	Time Collected	Matr	# of Cont.	PARAMETER	8021	8100	Fl-PRO	CUSTODY SEALS ON / pH CONTROL	COMMENTS/NOTES
01	SS-1	7-12-01	1410	S	2		✓	✓	✓	SOIL	*Split off for VOC
		@SD3									
										DOC OK	
										VB	
											Fl. to VOC

IntraLabs, Inc.
Address: 1909 Southampton Road
Jacksonville, FL 32207
Phone: (904) 396-6868
Fax: (904) 396-3933

Matrix Codes:
GW Groundwater
S Soil
WW Wastewater
O Oil
Sl Sludge
SW Surface Water

Turnaround Time Request
✓ Standard
Rush
Date Required

Samples Recd. on ice? Yes / No

Relinquished by:	Date/Time	Received by:	Date/Time
E. Fuller	7/13/01 1435	J Parson	7-13-01 14:35
J Parson CO	7-13-0117:20	CO	7-13-0117:20
		Krysta B	7/14/01 1320

Page 1 of 1

IntraLabs, Inc. 54582 Chain of Custody Record SHORT-HOLD

Company Name: Ellis and Associates Inc.
Address: 7064 Davis Creek Road
City / State / Zip: Jacksonville, Fl. 32256
Project Name: Wolf Ranch # 1
Project Manager: Eric Fuller

LAB ANALYSIS

PARAMETER: 8021 | 8100 | FL-PRO

CUSTODY SEALS (Y) N
pH CONTROL
50EC
P___ V___

#	Sample Label	Date Collected	Time Collected	Matr	# of Cont.						
01	SS-2	7-16-01	1040	S	4		✓	✓	✓	P V	3.5' 6.1.s. ①8260 ②503 *Split off for VOC
										P V	
										P V	
										P V	
										P V	
										P V	
										P V	
										COC OK Y N	
										MB	Del. to VOC

IntraLabs, Inc.
Address: 1909 Southampton Road
Jacksonville, FL 32207
Phone: (904) 396-6868
Fax: (904) 396-3933

Matrix Codes:
GW Groundwater
S Soil
WW Wastewater
O Oil
SI Sludge
SW Surface Water

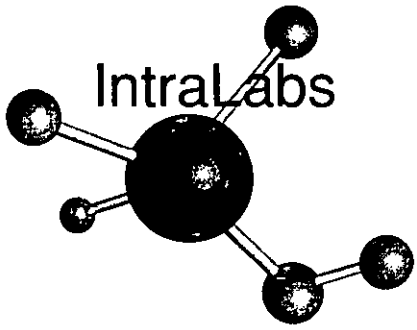
COMMENTS/NOTES

Turnaround Time Request
✓ Standard
___ Rush
Date Required_____

Samples Recd. on Ice? Yes ✓ No

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	7-17-01 13:00	[signature]	7-17-01 13:00
[signature]	7-17-01 17:00	CO	7-17-01 17:00
CO		[signature]	7/18/01 1305

Page 1 of 1



Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-1

Sample Description:

Wolf Ranch #1

Analytical Report: MW-1
Date Sampled: 07/20/2001
Time Sampled: 14:24
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Metals							
Lead	BDL	mg/l	3010/6010	0.0050	07/23	07/25	SB
Purgeable Hydrocarbons							
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	07/25	07/25	SV
Bromoform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Bromomethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	50	07/25	07/25	SV
Chloroform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	07/25	07/25	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	07/25	07/25	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-1

Sample Description:

Wolf Ranch #1

Analytical Report: MW-1
Date Sampled: 07/20/2001
Time Sampled: 14:24
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Purgeable Hydrocarbons	**(continued)**						
Trichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Benzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Toluene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Total Xylenes	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
MTBE	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dilution Factor	1.0		5030/8260		07/25	07/25	SV
Surrogate Recoveries:							
Dibromofluoromethane	127	%	5030/8260	68-145	07/25	07/25	SV
Toluene-D8	107	%	5030/8260	62-133	07/25	07/25	SV
4-Bromofluorobenzene	111	%	5030/8260	56-135	07/25	07/25	SV
EDB/DBCP							
EDB	BDL	ug/l	504	0.020	07/25	07/25	AJ
DBCP	BDL	ug/l	504	0.020	07/25	07/25	AJ
Dilution Factor	1.0		504		07/25	07/25	AJ
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
2-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
1-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluorene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Phenanthrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Anthracene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluoranthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Pyrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(a)anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Chrysene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	0.50	07/27	07/27	GG
Benzo(a)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Dilution Factor	1.0		3510/8270		07/27	07/27	GG
Surrogate Recoveries:							

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-1

Sample Description:

Wolf Ranch #1

Analytical Report: MW-1
Date Sampled: 07/20/2001
Time Sampled: 14:24
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Polynuclear Aromatic Hydrocarbons	**(continued)**						
Nitrobenzene-d5	29.0	%	3510/8270	22-117	07/27	07/27	GG
2-Fluorobiphenyl	43.0	%	3510/8270	34-150	07/27	07/27	GG
Terphenyl-d14	37.0	%	3510/8270	58-160	07/27	07/27	GG
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	07/26	07/27	AW
Dilution Factor	1.0		FLPRO		07/26	07/27	AW
Surrogate Recoveries:							
o-Terphenyl	90.0	%	FLPRO	82-142	07/26	07/27	AW
Tritriacontane	52.0	%	FLPRO	42-193	07/26	07/27	AW

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL
Tests performed by US Biosystems, Inc.

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Thomas A. Carr
Principal

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Page: Page 1 of 3
Date: 07/30/2001
Log #: L54752-2

Sample Description:

Wolf Ranch #1

Analytical Report: MW-2
Date Sampled: 07/20/2001
Time Sampled: 13:35
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Metals							
Lead	BDL	mg/l	3010/6010	0.0050	07/23	07/25	SB
Purgeable Hydrocarbons							
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	07/25	07/25	SV
Bromoform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Bromomethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	50	07/25	07/25	SV
Chloroform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	07/25	07/25	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	07/25	07/25	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-2

Sample Description:

Wolf Ranch #1

Analytical Report: MW-2
Date Sampled: 07/20/2001
Time Sampled: 13:35
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Purgeable Hydrocarbons	(continued)						
Trichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Benzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Toluene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Total Xylenes	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
MTBE	3.0	ug/l	5030/8260	1.0	07/25	07/25	SV
Dilution Factor	1.0		5030/8260		07/25	07/25	SV
Surrogate Recoveries:							
Dibromofluoromethane	126	%	5030/8260	68-145	07/25	07/25	SV
Toluene-D8	108	%	5030/8260	62-133	07/25	07/25	SV
4-Bromofluorobenzene	108	%	5030/8260	56-135	07/25	07/25	SV
EDB/DBCP							
EDB	BDL	ug/l	504	0.020	07/25	07/25	AJ
DBCP	BDL	ug/l	504	0.020	07/25	07/25	AJ
Dilution Factor	1.0		504		07/25	07/25	AJ
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
2-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
1-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluorene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Phenanthrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Anthracene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluoranthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Pyrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(a)anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Chrysene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	0.50	07/27	07/27	GG
Benzo(a)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Dilution Factor	1.0		3510/8270		07/27	07/27	GG
Surrogate Recoveries:							

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-2

Sample Description:

Wolf Ranch #1

Analytical Report: MW-2
Date Sampled: 07/20/2001
Time Sampled: 13:35
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Polynuclear Aromatic Hydrocarbons (continued)							
Nitrobenzene-d5	86.0	%	3510/8270	22-117	07/27	07/27	GG
2-Fluorobiphenyl	87.0	%	3510/8270	34-150	07/27	07/27	GG
Terphenyl-d14	73.0	%	3510/8270	58-160	07/27	07/27	GG
Florida Petroleum Range Organics							
TPH(C8-C40)	0.66	mg/l	FLPRO	0.65	07/26	07/27	AW
Dilution Factor	1.0		FLPRO		07/26	07/27	AW
Surrogate Recoveries:							
o-Terphenyl	91.0	%	FLPRO	82-142	07/26	07/27	AW
Tritriacontane	56.0	%	FLPRO	42-193	07/26	07/27	AW

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL
Tests performed by US Biosystems, Inc.

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Thomas A. Carr
Principal

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Page: Page 1 of 3
Date: 07/30/2001
Log #: L54752-3

Sample Description:

Wolf Ranch #1

Analytical Report: MW-3
Date Sampled: 07/20/2001
Time Sampled: 12:53
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Metals							
Lead	BDL	mg/l	3010/6010	0.0050	07/23	07/25	SB
Purgeable Hydrocarbons							
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	07/25	07/25	SV
Bromoform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Bromomethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	50	07/25	07/25	SV
Chloroform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	07/25	07/25	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	07/25	07/25	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-3

Sample Description:

Wolf Ranch #1

Analytical Report: MW-3
Date Sampled: 07/20/2001
Time Sampled: 12:53
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Purgeable Hydrocarbons	(continued)						
Trichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Benzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Toluene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Total Xylenes	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
MTBE	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dilution Factor	1.0		5030/8260		07/25	07/25	SV
Surrogate Recoveries:							
Dibromofluoromethane	121	%	5030/8260	68-145	07/25	07/25	SV
Toluene-D8	101	%	5030/8260	62-133	07/25	07/25	SV
4-Bromofluorobenzene	102	%	5030/8260	56-135	07/25	07/25	SV
EDB/DBCP							
EDB	BDL	ug/l	504	0.020	07/25	07/25	AJ
DBCP	BDL	ug/l	504	0.020	07/25	07/25	AJ
Dilution Factor	1.0		504		07/25	07/25	AJ
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
2-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
1-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluorene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Phenanthrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Anthracene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluoranthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Pyrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(a)anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Chrysene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	0.50	07/27	07/27	GG
Benzo(a)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Dilution Factor	1.0		3510/8270		07/27	07/27	GG
Surrogate Recoveries:							

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-3

Sample Description:

Wolf Ranch #1

Analytical Report: MW-3
Date Sampled: 07/20/2001
Time Sampled: 12:53
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Polynuclear Aromatic Hydrocarbons (continued)							
Nitrobenzene-d5	69.0	%	3510/8270	22-117	07/27	07/27	GG
2-Fluorobiphenyl	67.0	%	3510/8270	34-150	07/27	07/27	GG
Terphenyl-d14	62.0	%	3510/8270	58-160	07/27	07/27	GG
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	07/26	07/27	AW
Dilution Factor	1.0		FLPRO		07/26	07/27	AW
Surrogate Recoveries:							
o-Terphenyl	89.0	%	FLPRO	82-142	07/26	07/27	AW
Tritriacontane	58.0	%	FLPRO	42-193	07/26	07/27	AW

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL
Tests performed by US Biosystems, Inc.

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Thomas A. Carr
Principal

IntraLabs, Inc.

54752

Chain of Custody Record

198 P

Company Name: Ellis and Associates, Inc.

Address: 7064 Davis Creek Road

City / State / Zip: Jacksonville, fl. 32256

Project Name: Wolf Ranch #1

Project Manager: Eric Fuller

#	Sample Label	Date Collected	Time Collected	Matr	# of Cont.
01	MW-1	7-20-01	1424	GW	7
02	MW-2	7-20-01	1335	GW	7
03	MW-3	7-20-01	1253	GW	7

LAB ANALYSIS

PARAMETER

KAG

1 PRO

O&G, Color

PAH

VOL

EDB

Metals

O

1 HB

O

IntraLabs, Inc.
Address: 1909 Southampton Road
Jacksonville, FL 32207
Phone: (904) 396-6868
Fax: (904) 396-3933

Matrix Codes:
GW Groundwater
S Soil
WW Wastewater
O Oil
Sl Sludge
SW Surface Water

COMMENTS/NOTES

Turnaround Time Request
✓ Standard
___ Rush
Date Required ___

Samples Recd. on ice? Yes ✓ No

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	7/20/01 1525	J. Carr	7/20/01 1525
J Carr	7/20/01 17W	FEDEX	7/20/01 17W
FEDEX		[signature]	7/21/01 1217

Page 1 of 1

Jul 20 01 02:11p

1080

TEAM 6

OCT 29 2001

Ecology & Environment

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CENTER

SITE ASSESSMENT REPORT
WOLFE RANCH SITE #1
6260 HIGHWAY 16A
ST. AUGUSTINE, FLORIDA
FDEP FACILITY ID # 558631076
E&A PROJECT NO. 01-7087

RECEIVED

OCT 24 2001

STATE OF FLORIDA
DEPT. OF ENV. PROTECTION
NORTHEAST DISTRICT-JAX

Prepared for:

First Union National Bank
214 North Hogan Street
Jacksonville, Florida 32203

Submitted to:

Florida Department of Environmental Protection
Northeast District
Regulated Storage Tanks Section
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Prepared by:

Ellis & Associates, Inc.
7064 Davis Creek Road
Jacksonville, Florida 32256
(904) 880-0960

October 24, 2001

Ellis & Associates inc.

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2.0 SITE HISTORY 1
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Table 2 Soil Analytical Results
Table 3 Groundwater Analytical Results
Table 4 Groundwater Elevation Data

FIGURES

Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Water Table Contour Map (7/10/01)
Figure 4 Water Table Contour Map (9/19/01)

APPENDICES

Appendix A Tank Closure Report completed by ERS
Appendix B Well Construction Logs
Appendix C Water Sampling Logs
Appendix D Laboratory Analytical Report

Ellis & Associates inc.

SITE ASSESSMENT REPORT
WOLFE RANCH SITE #1
FDEP FACILITY ID # 558631076
6260 HIGHWAY 16A
ST. AUGUSTINE, FLORIDA
E&A PROJECT NO. 01-7087

1.0 INTRODUCTION

Ellis & Associates, Inc., (E&A) has completed a Site Assessment Report (SAR) for Wolfe Ranch Site #1 located at 6260 Highway 16A, in St. Augustine, St. Johns County, Florida (Figure 1). This investigation was authorized by Ms. Suzi Renehan of First Union National Bank through the acceptance of E&A proposal No. 01-0769. This SAR was initiated due to the detection of contaminants in the soil and groundwater following the removal of two, 1000-gallon aboveground storage tanks (ASTs) in January 2001.

This SAR was prepared in general accordance with the Florida Department of Environmental Protection's guidelines found in Chapter 62-770, F.A.C.

2.0 SITE HISTORY

The area defined as Wolfe Ranch Site #1 contained two 1000-gallon ASTs that were installed in 1990. One of the ASTs contained diesel fuel and one of the ASTs contained unleaded gasoline. The ASTs were located inside a concrete containment dike and the dispenser was located on a concrete slab to the west of the AST containment area. The ASTs were utilized to fuel equipment associated with the farming operations of Wolfe Ranch. The ASTs were removed from the site in January 2001.

3.0 PREVIOUS ASSESSMENT SUMMARY

The site was the subject of a Tank Closure Report, dated February 6, 2001, completed by Environmental Remediation Services, Inc. (ERS) (Appendix A). Activities performed during this closure assessment included the removal of two ASTs, removal of the concrete containment dike surrounding the ASTs, disconnection and removal of the dispensers and associated piping, and the excavation and removal of petroleum impacted soils.

Soil vapor field screening conducted prior to soil excavation utilizing an OVA-PID indicated soil vapors ranging from 1.7 to 96 ppm at depths from one to three feet. Groundwater was encountered at a depth of three feet below land surface (bls) and an area measuring 7 to 13 feet in width, 8 feet in length, and 4 feet in depth was excavated as petroleum-impacted soils. A soil and groundwater sample from the area of the former dispenser was collected and submitted to a laboratory for analysis by EPA Methods 8021, 8310, 6010 (lead), and method FL-PRO for TRPH.

The soil analytical results from the tank closure assessment indicated that the following compounds were detected above their "method reporting limit": naphthalene at 1.68 mg/kg,

2-methylnaphthalene at 8.84 mg/kg, 1-methylnaphthalene at 6.27 mg/kg, acenaphthalene at 0.189 mg/kg, acenaphthene at 0.734 mg/kg, fluorene at 1.58 mg/kg, phenanthrene at 4.61 mg/kg, anthracene at 1.13 mg/kg, fluoranthene at 0.216 mg/kg, pyrene at 1.10 mg/kg, lead at 4.18 mg/kg, and TRPH or "PHS" as 854 mg/kg. No EPA Method 8021 compounds were detected in the soil sample. Of the compounds detected in the soil sample, only TRPH was above the residential soil cleanup target level (SCTL); and only TRPH, 1-methylnaphthalene, and 2-methylnaphthalene were above the leachability based on groundwater SCTL (Chapter 62-777, F.A.C.). The level of TRPH detected is questionable given the reporting methodology of the laboratory that indicates individual carbon chains of C8-C40 totaling 195.49 mg/kg yet has total "PHS" of 854 mg/kg. The residential SCTL and the leachability based on groundwater SCTL for TRPH is 340 mg/kg.

The groundwater sample collected from a temporary monitoring well as part of the tank closure assessment indicated the presence of the following compounds: naphthalene at 5.56 ug/l, 2-methylnaphthalene at 36.9 ug/l, 1-methylnaphthalene at 11.6 ug/l, fluorene at 2.18 ug/l, and total lead at 420 ug/l. EPA Method 8021 compounds and TRPH were not detected in the groundwater samples. Of the contaminants detected, only 2-methylnaphthalene and lead were above their groundwater cleanup target levels (GCTL)(Chapter 62-777, F.A.C.). The GCTL for 2-methylnaphthalene is 20 ug/l and the GCTL for lead is 15 ug/l. Elevated levels of lead are often attributed to turbid groundwater samples that can be associated with temporary monitoring wells.

4.0 WATER WELL SURVEY

A water well survey was conducted to locate all private water wells within a ¼ mile radius and all public water supply wells within a ½ mile radius of the site. Ms. Helen Cleveland with the St. Johns River Water Management District (SJRWMD) was contacted to provide information for the search.

Based on the information provided by SJRWMD, no public or private water wells are located within the prescribed search distances. Site reconnaissance of the area indicated no public wells or private wells within a ½-mile radius of the site.

5.0 SOIL ASSESSMENT

The "Soil Survey of St. Johns County," issued October 1983, by the United States Department of Agriculture (USDA) Soil Conservation Service was reviewed for a listing of soil types for the site. One soil type, Placid Fine Sand, was identified for the site.

Placid fine sand is described as a very poorly drained, nearly level soil in broad flat areas with slopes ranging from 0 to 2 percent. Under natural conditions, this soil has a seasonal high water table within a depth of 10 inches for more than 6 months in most years. Permeability is rapid throughout. Natural vegetation includes longleaf and slash pines, sweetgum, water oak, wax myrtle, wild grape, smilax, and a few cypress trees. The native grasses include maidencane, bluestems, cinnamon fern, pineland threeawn, and lopsided indiangrass.

Soil conditions encountered at the site during site assessment activities consisted largely of light brown fine sand from just below ground surface to five feet below land surface (bls), followed by a orange-tan clayey fine sand to seven feet bls, and light gray-brown fine sand to 12 feet bls. Some areas of the site consisted of a dark gray fine sand from just below ground surface to four feet bls. Brief descriptions of lithologies encountered during the soil assessment are presented in Table 1. No definitive clay layer or perched water table was encountered during the soil investigation. The shallow groundwater table at the site was encountered at approximately three feet bls.

5.1 Soil Vapor Field Screening

On July 12, 2001, E&A advanced 14 borings at the site for the purpose of conducting a soil vapor field screening survey for petroleum vapors utilizing an organic vapor analyzer (OVA) flame ionization detector (FID). The soil borings are identified as SB-1 through SB-14 in Figure 2.

The methodology for the soil vapor field screening consisted of utilizing a hand auger equipped with a stainless steel bucket to bore down into the soil to collect soil samples for field screening at one-foot depth intervals. The soils from each depth interval were taken directly from the stainless steel auger bucket and used to fill two 16 oz. mason jars half full. The jars were then sealed with aluminum foil and allowed to equilibrate. Utilizing a Foxboro Model OVA-128, one of the mason jars from each depth interval was screened with a standard, non-filtered probe and one of the jars from each depth interval was screened utilizing an activated charcoal filter probe. The filtered probe reading was then subtracted from the standard probe reading giving a net vapor reading. The purpose of the charcoal filtered reading is to subtract any naturally occurring methane gas.

The results of the soil vapor field screening indicated that net vapor readings ranged from 0.0 to 20 ppm. Only two of the borings, SB-8 and SB-11, contained any detectable vapor readings. Soil boring SB-8 at four feet bls contained a standard probe reading of 90 ppm and a filtered reading of 460 ppm, indicating an inconclusive result most likely due to a high content of methane gas. Soil boring SB-11 at three feet bls contained a standard probe reading of 30 ppm and a filtered probe reading of 10 ppm indicating a net reading of 20 ppm. The remaining soil borings and depth intervals contained readings of 0.0 ppm.

A summary of E&A's soil vapor field screening results is provided in Table 1.

5.2 Soil Sampling

On July 12 and 16, 2001, E&A personnel collected two soil samples for laboratory analytical testing. The soil samples were collected from the two borings with positive OVA field screening results. Soil sample SS-1 was collected from soil boring SB-11 from a depth of three feet bls. Soil sample SS-2 was collected from soil boring SB-8 at a depth of 3.5 feet bls. The soil samples were collected directly from the stainless steel auger bucket, placed into laboratory-supplied containers, stored on ice, and submitted to IntraLabs, in Jacksonville, Florida for analysis by a state-certified laboratory (FDEP QAP #980126) for EPA Method 8021 (volatile aromatics and halocarbons), EPA Method 8310 (polynuclear aromatic hydrocarbons), and method FL-PRO (TRPH).

5.3. Soil Analytical Summary

Analytical results for soil samples SS-1 and SS-2 did not indicate the presence of any EPA Method 8021 compounds, EPA Method 8310 compounds, or TRPH at or above their method detection limits. The analytical results for these compounds were below laboratory method detection limits or "BDL" as indicated in the laboratory report provided in Appendix D.

A summary of the soil analytical results and their respective regulatory guidance concentrations are provided in Table 2.

6.0 GROUNDWATER ASSESSMENT

6.1 Monitoring Well Installation and Construction

On July 16, 2001, E&A personnel installed three monitoring wells at Wolfe Ranch Site #1. The monitoring wells were installed utilizing a vehicle-mounted drill rig equipped with a hollow stem auger. The monitoring wells are identified as MW-1 through MW-3 in Figure 2.

The monitoring wells at the site were installed to an approximate depth of 12 feet bls. The monitoring wells were constructed of two-inch diameter schedule 40 PVC equipped with a ten-foot section of 0.01 inch factory slotting and an approximate two-foot long solid riser. The monitoring wells contained a sand pack of 20/30 silica sand from 1.5 to 12 feet bls with a grout mixture of bentonite from 0.5 to 1.5 feet. A metal manhole cover surrounded by a concrete pad encased the surface area of each monitoring well. Monitoring well construction diagrams are provided in Appendix B.

6.2 Groundwater Sampling

On July 20, 2001, E&A personnel sampled the three monitoring wells at the site. Prior to the collection of the groundwater samples, each monitoring well was purged of approximately five well volumes with a low flow peristaltic pump and dedicated polyethylene tubing. Teflon lined tubing was utilized in the pump head of the peristaltic pump. Groundwater samples for lead were collected directly from the pump discharge once purging was complete. Groundwater samples for volatile and extractable organics were collected with a dedicated teflon bailer after purging was completed.

The groundwater samples were placed into laboratory-supplied containers, stored on ice, and submitted to IntraLabs, in Jacksonville, Florida for analysis by a state-certified laboratory (FDEP QAP #980126) for EPA Method 8021 (volatile aromatics and halocarbons), EPA Method 8310 (polynuclear aromatic hydrocarbons), EPA Method 6010 (total lead), EPA Method 504 (EDB), and method FL-PRO (TRPH).

The groundwater sampling logs for MW-1 through MW-3 are provided in Appendix C.

6.3 Groundwater Analytical Summary

The analytical results for sample MW-1 did not indicate the presence of any EPA Method 8021 compounds, EPA Method 8310 compounds, EDB, lead, or TRPH at or above their method detection limits. The analytical results for these constituents were below laboratory method detection limits or "BDL" as indicated in the laboratory report.

The analytical results for sample MW-2 indicated the presence of MTBE at 3.0 ug/l and TRPH at 0.66 mg/l. No other EPA Method 8021 compounds, EPA Method 8310 compounds, EDB, or lead were detected in the groundwater sample at or above their method detection limits. The levels of MTBE and TRPH detected in the sample were below their GCTLs of 50 ug/l and 5 mg/l, respectively (Chapter 62-777, F.A.C.).

The analytical results for sample MW-3 did not indicate the presence of any EPA Method 8021 compounds, EPA Method 8310 compounds, or any EDB, lead, or TRPH at or above their method detection limits. The analytical results for these constituents were "BDL" as indicated in the laboratory report.

A summary of the groundwater sampling results is provided in Table 3. The laboratory report is provided in Appendix D.

7.0 GROUNDWATER FLOW DIRECTION

Groundwater flow direction for the site was determined utilizing the three monitoring wells installed for the groundwater assessment. Top of casing elevations were field surveyed with a Leica Model NA720 auto level and lenker rod. After establishing a relative datum on site, top of casing elevations were taken from the north side of the well casings and elevation readings were recorded to the nearest 0.01. Depth to water readings were collected utilizing a Roctest water level indicator accurate to 0.01 feet. Depth to water readings were collected from the north side of the well casings at two iterations spaced at least one month apart.

Based on the top of casing elevations and the depth to water readings collected, groundwater flow direction for the site is toward the east-southeast. Elevation data collected for the first iteration indicated a groundwater flow direction to the southeast and elevation data collected for the second iteration indicated a groundwater flow direction to the east-southeast.

Groundwater elevation data for the site is provided in Table 4 and water table contour maps are provided in Figures 3 and 4.

8.0 PROPOSED COURSE OF ACTION

E&A has completed a Site Assessment Report of Wolfe Ranch Site #1, FDEP Facility ID #558631076, located at 6260 Highway 16A, in St. Augustine, St. Johns County, Florida. The results of the Site Assessment indicated the following:

- No free product was discovered at the site.
- No excessively contaminated soils (Section 376.3071(11)(b)2., F.S.) were encountered at the site.
- No soil analytical results indicated the presence of contaminated soils at or above the direct exposure residential cleanup target levels or the leachability cleanup target levels per Chapter 62-777, F.A.C.
- Concentrations of petroleum contaminants of concern detected did not exceed the groundwater criteria listed in Chapter 62-777, F.A.C.

Based on the results of the Site Assessment, E&A respectfully requests that a No Further Action without conditions status, per Chapter 62-777.680, be granted for the site.

Ellis & Associates inc.

9.0 SIGNATURES OF PROFESSIONALS

for

Eric B. Fuller
Project Scientist

10/24/01

Scott A. Davidson, P.G.
Senior Geologist
Florida License No. 0001220

TABLES

Table 1
Organic Vapor Analysis Results
FDEP Facility ID #558631076
Wolfe Ranch Site #1
E&A Project No. 01-7087

SAMPLE ID.	Depth of Sample (feet bls)	Date	Unfiltered Result (ppm)	Filtered Result (ppm)	Net Result (ppm)	Odor	Lithology
SB-1	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-1	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-1	2-3	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-1	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-2	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-2	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-2	2-3	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-2	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-3	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-3	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-3	2-3	7/12/01	0	NT	0	None	Tan Fine Sand
SB-3	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-4	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-4	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-4	2-3	7/12/01	0	NT	0	None	Tan Fine Sand
SB-4	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-5	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-5	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-5	2-3	7/12/01	0	NT	0	None	Tan Fine Sand
SB-5	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-6	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-6	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-6	2-3	7/12/01	0	NT	0	None	Light Gray Fine Sand
SB-6	3-4	7/12/01	0	NT	0	None	Tan Fine Sand

Table 1 (continued)
Organic Vapor Analysis Results
FDEP Facility ID #558631076
Wolfe Ranch Site #1
E&A Project No. 01-7087

SAMPLE ID.	Depth of Sample (feet bls)	Date	Unfiltered Result (ppm)	Filtered Result (ppm)	Net Result (ppm)	Odor	Lithology
SB-7	0-1	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-7	1-2	7/12/01	0	NT	0	None	Light Brown Fine Sand
SB-7	2-3	7/12/01	0	NT	0	None	Dark Brown Fine Sand
SB-7	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-8	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-8	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-8	2-3	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-8*	3-4	7/12/01	90	460	0	slight petroleum	Tan and Dark Gray Fine Sand
SB-9	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-9	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-9	2-3	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-9	3-4	7/12/01	0	NT	0	None	Tan and Dark Gray Fine Sand
SB-10	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-10	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-10	2-3	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-10	3-4	7/12/01	0	NT	0	None	Orange-Tan Fine Sand
SB-11	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-11	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-11*	2-3	7/12/01	30	10	20	None	Light Gray Fine Sand
SB-11	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-12	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-12	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-12	2-3	7/12/01	0	NT	0	None	Light Brown-Orange Clayey Fine Sand
SB-12	3-4	7/12/01	0	NT	0	None	Light Brown-Orange Clayey Fine Sand

Table I (continued)
Organic Vapor Analysis Results
FDEP Facility ID #558631076
Wolfe Ranch Site #1
E&A Project No: 01-7087

SAMPLE ID.	Depth of Sample (feet bls)	Date	Unfiltered Result (ppm)	Filtered Result (ppm)	Net Result (ppm)	Odor	Lithology
SB-13	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-13	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-13	2-3	7/12/01	0	NT	0	None	Light Gray Fine Sand
SB-13	3-4	7/12/01	0	NT	0	None	Tan Fine Sand
SB-14	0-1	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-14	1-2	7/12/01	0	NT	0	None	Dark Gray Fine Sand
SB-14	2-3	7/12/01	0	NT	0	None	Tan-Orange Fine Sand
SB-14	3-4	7/12/01	0	NT	0	None	Tan Fine Sand

Notes: bls - Below Land Surface
ppm - Parts Per Million
NT - Not Tested
* = soil sample for laboratory ananlysis

TABLE 2: SOIL ANALYTICAL SUMMARY

Facility Name: Wolfe Ranch #1
Facility ID#: 558631076

Compound	SS-1 07/12/01 (ug/kg)	SS-2 07/16/01 (ug/kg)	Direct Exposure Residential (ug/kg)	Leachability Groundwater Criteria (ug/kg)
Benzene	<1.6	<3.1	1,100	7
Toluene	<3.9	<7.9	380,000	500
Ethylbenzene	<3.9	<7.9	1,100,000	600
Total Xylenes	<3.9	<7.9	5,900,000	200
MTBE	<39	<79	3,200,000	200
Naphthalene	<120	<140	40,000	1,700
Acenaphtylene	<120	<140	1,100,000	27,000
1-Methylnaphthalene	<120	<140	68,000	2,200
2-Methylnaphthalene	<240	<290	80,000	6,100
Acenaphthene	<120	<140	1,900,000	2,100
Fluorene	<120	<140	2,200,000	160,000
Phenanthrene	<120	<140	2,000	250,000
Anthracene	<120	<140	18,000,000	2,500,000
Fluoranthene	<120	<140	2,900,000	1,200,000
Pyrene	<120	<140	2,200,000	880,000
Benzo (a) anthracene	<120	<140	1,400	3,200
Chrysene	<120	<140	140,000	77,000
Benzo (b) fluoanthene	<120	<140	1,400	10,000
Benzo (k) fluoanthene	<120	<140	15,000	25,000
Benzo (a) pyrene	<71	<86	100	8,000
Dibenzo (a,h) anthracene	<71	<86	100	30,000
Benzo (g,h,I) perylene	<120	<140	2,300,000	32,000,000
Indeno (1,2,3-cd) pyrene	<120	<140	1,500	28,000
Hydrocarbons (C8-C40)	<6000	<7100	350,000	340,000

TABLE 3: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Wolfe Ranch #1 Facility ID#: 558631076

Below Detection Limits = BDL
Analytical Results = ppb or ug/L (unless otherwise noted)
NA = Not Analyzed NI = Not Installed

Sample Location	Sample Date	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total VOA	MTBE	PAH	TRPH	Naphthalene
MW-1	07/20/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	BDL	<.65 mg/l	<1.0
MW-2	07/20/01	<1.0	<1.0	<1.0	<1.0	<4.0	3.0	BDL	.66 mg/l	<1.0
MW-3	07/20/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	BDL	<.65 mg/l	<1.0

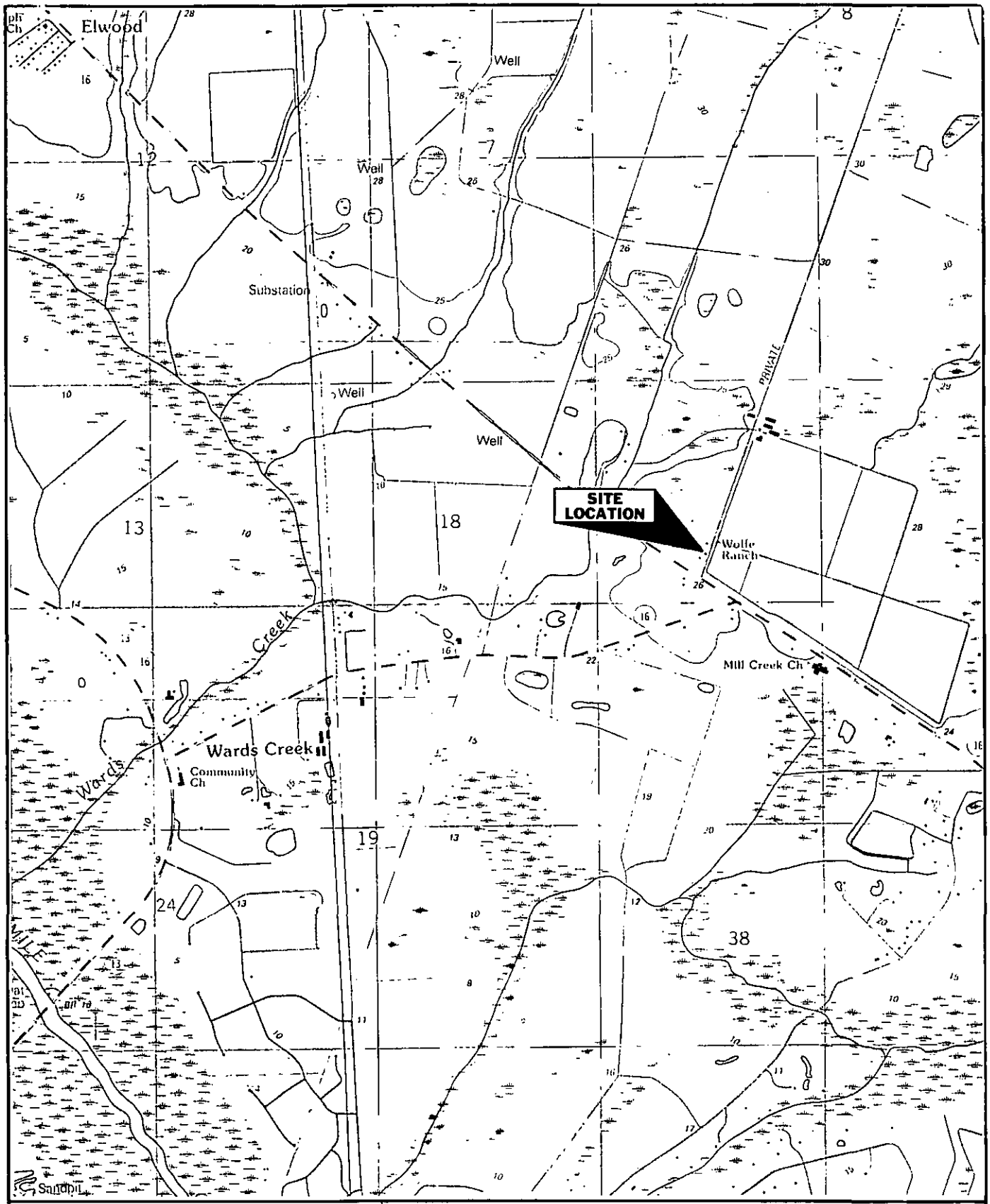
TABLE 4: GROUNDWATER ELEVATION TABLE

Facility Name: Wolfe Ranch #1 Facility ID#: 558631076

All Measurements = Feet (unless otherwise noted)

WELL NO.	MW-1			MW-2			MW-3		
DIAMETER	2"			2"			2"		
WELL DEPTH	12.00			12.00			12.00		
SCREEN INTERVAL	2.00 - 12.00			2.00 - 12.00			2.00 - 12.00		
TOC ELEVATION	4.78			4.50			4.62		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
07/20/01	1.98	2.80		1.87	2.63		1.91	2.71	
09/19/01	3.07	1.71		3.04	1.46		3.11	1.51	

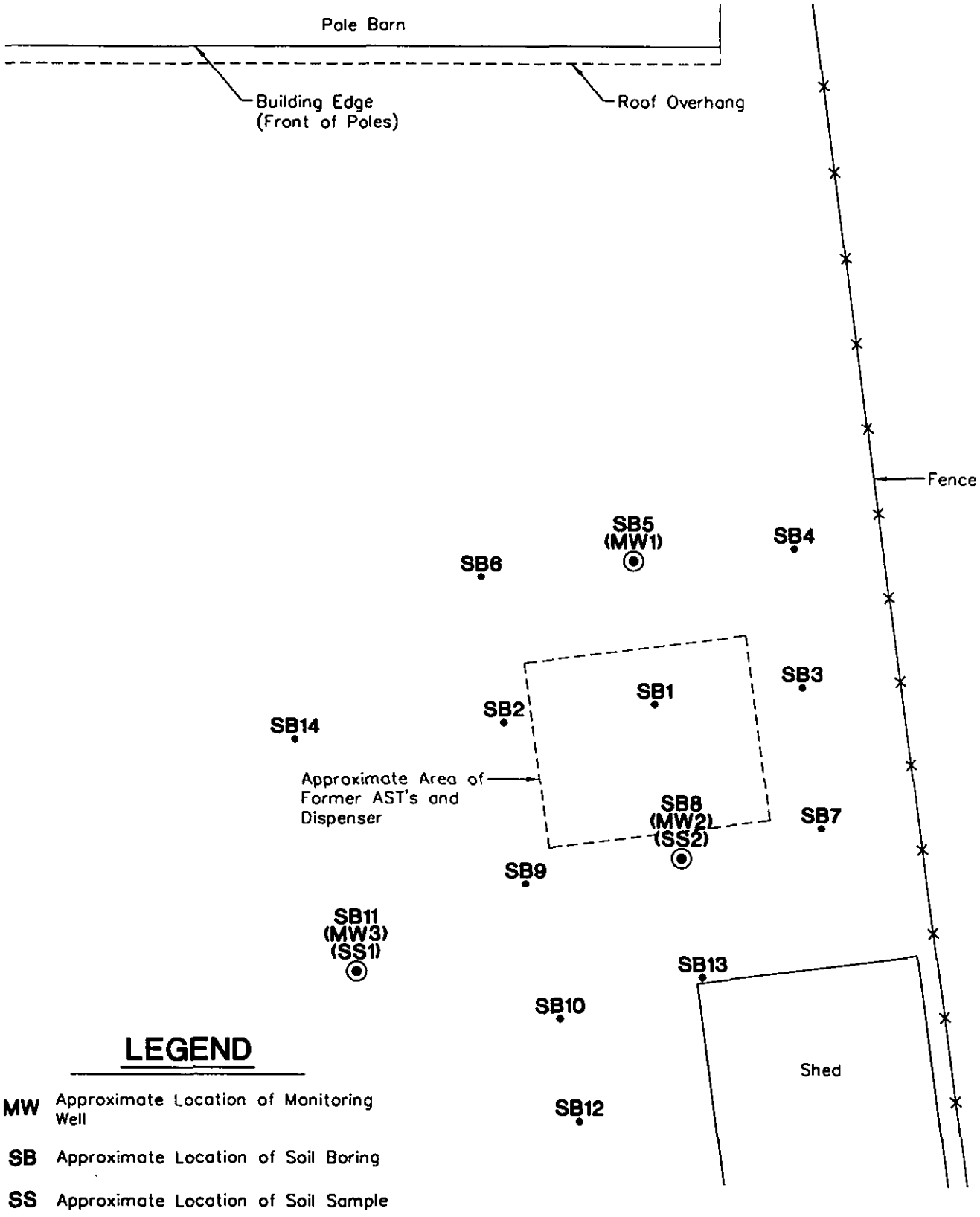
FIGURES



Project No. 01-7087	**Site Vicinity/Topographic Map**
Revision Date: 10/23/01	Wolfe Ranch Site #1 – FDEP Facility ID No. 558631076 U.S. Geological Survey 7.5 Minute – Topographic Map Picolata, Florida Quadrangle 1991 Site boundaries depicted are approximate
Scale: 1"=2,000'	**Figure No. 1**

Ellis & Associates Inc.
GEOTECHNICAL ENGINEERING ■ ENVIRONMENTAL SERVICES
CONSTRUCTION MATERIALS ENGINEERING AND TESTING

017087t



LEGEND

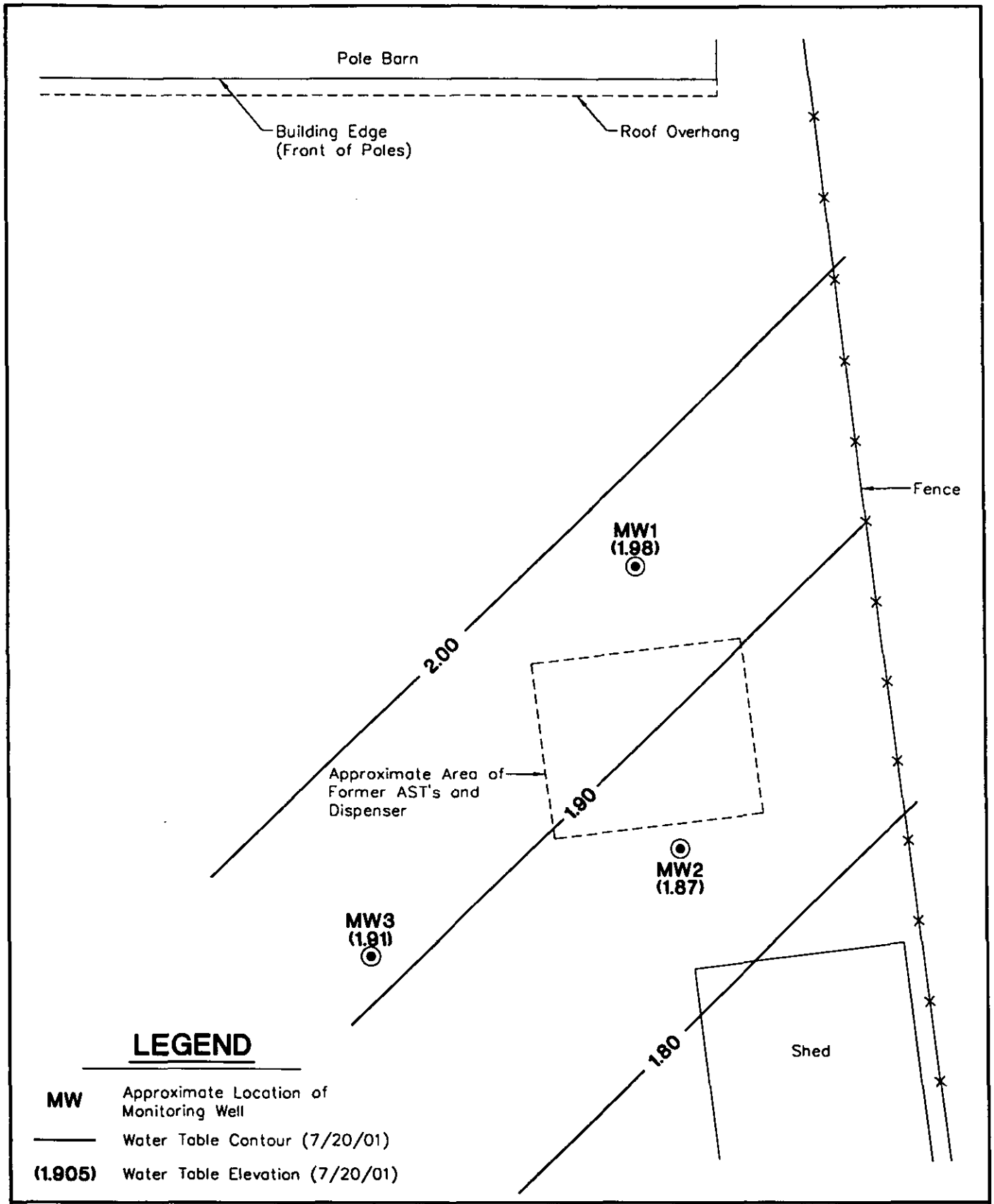
MW Approximate Location of Monitoring Well

SB Approximate Location of Soil Boring

SS Approximate Location of Soil Sample

Project No. 01-7087	**Sampling Location Plan** **Wolfe Ranch Site #1** **FDEP Facility ID No. 558631076** St. Augustine, Florida
Revision Date: 10/23/01	
Scale: 1"=10'	
Ellis & Associates Inc. GEOTECHNICAL ENGINEERING & ENVIRONMENTAL SERVICES CONSTRUCTION MATERIALS ENGINEERING AND TESTING	**Figure No. 2**

017087s2

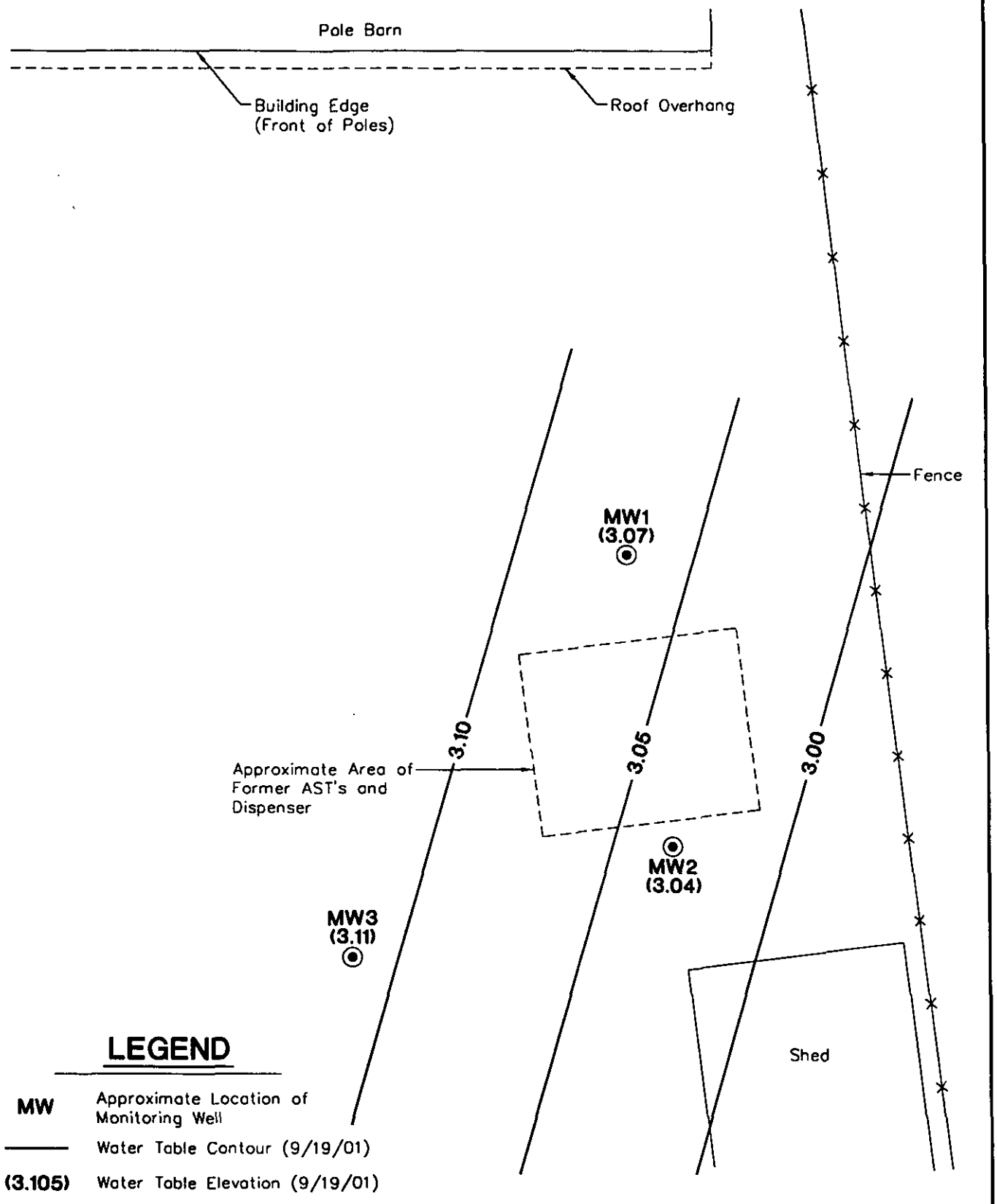


Project No. 01-7087	
Revision Date: 10/23/01	
Scale: 1"=10'	
Ellis & Associates Inc. GEOTECHNICAL ENGINEERING & ENVIRONMENTAL SERVICES CONSTRUCTION MATERIALS ENGINEERING AND TESTING	**Water Table Contours** **Wolfe Ranch Site #1** **FDEP Facility ID No. 558631076** St. Augustine, Florida

N

Figure No. 3

017087s3



Project No. 01-7087	**Water Table Contours** **Wolfe Ranch Site #1** **FDEP Facility ID No. 558631076** St. Augustine, Florida
Revision Date: 10/2/01	
Scale: 1"=10'	
Ellis & Associates Inc. GEOTECHNICAL ENGINEERING & ENVIRONMENTAL SERVICES CONSTRUCTION MATERIALS ENGINEERING AND TESTING	**Figure No. 4**

017087s4

APPENDIX A

Tank Closure Report Completed by ERS

ENVIRONMENTAL REMEDIATION SERVICES, INC.

TANK CLOSURE REPORT
WOLFE RANCH - AST
6260 Hwy 16a & Hwy 16
ST. AUGUSTINE, FLORIDA 32092

FAC ID 8631076

Prepared for:

First Union National Bank
214 N. Hogan St.
Jacksonville, Florida 32203

February 6, 2001

P.O. Box 351419
Jacksonville, FL 32235-1419

Phone (904) 741-4744
Fax (904) 741-3013

14600 Duval Place West • Suite 502
Jacksonville, FL 32218

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GROUNDWATER ASSESSMENT.....2

TANK REMOVAL AND CLEANING.....2

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Appendix B - Forms and Disposal Documentation

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Table 1 - OVA-PID Results of Wolfe Ranch - AST

LIST OF FIGURES

Figure 1 - Site Map of Wolfe Ranch - AST

Figure 2 - Photo Documentation

INTRODUCTION

Environmental Remediation Services, Inc. (ERS) was contracted by First Union National Bank in December of 2000 to clean two 1,000 gallon aboveground storage tanks (AST) containing petroleum products, disconnect dispensers and dispose of waste materials. The AST's are on site at the Wolfe Ranch located at 6260 Hwy 16a & Hwy 16 in St. Augustine, Florida. The scope of work consisted of degreasing and pressure washing the AST's and moving them to a new location, screening soil with an organic vapor analyzer photoionization detector (OVA-PID), excavation of petroleum impacted soil, groundwater and soil sampling, and closure report preparation.

SOIL ASSESSMENT

Samples were collected at four locations around the containment dike and one on the wall going underneath the containment dike. Samples were taken at one foot intervals to the groundwater table and screened in accordance with the methods established in Chapter 62-761, Florida Administrative Code (F.A.C.). During the soil sampling performed on January 4, 2001 we encountered the water table at a depth of 3 feet. Two out of the five OVA-PID field screening samples read over 10 parts per million (ppm) which were located at the fuel dispenser station. The containment dike was torn down and two more screening samples were taken. These samples also read over 10 ppm. The impacted areas were excavated to the groundwater table. The excavated area measured approximately 13 and 7 feet in width, 8 feet in length and 4 feet in depth. Once the excavation was complete a soil sample was taken from the "worst case" screening point and taken to Advanced Environmental Laboratories in Jacksonville, Florida for analysis. A copy of the analytical results are presented in Appendix A. All samples collected during this AST assessment were collected in accordance with our comprehensive quality assurance plan on file with the Florida Department of Environmental Protection (QA-001/92).

GROUNDWATER ASSESSMENT

Groundwater was encountered at 3 ft below land surface. ERS installed one temporary well located at the "worst case" screening point to collect groundwater samples. These groundwater samples were taken to Advanced Environmental Laboratories in Jacksonville, Florida for analysis. All samples were collected in accordance with our comprehensive quality assurance plan on file with the Florida Department of Environmental Protection (QA-001/92). Confirmatory groundwater analytical results are presented in Appendix A.

AST REMOVAL AND CLEANING

The AST's were first opened at the man covers and the remaining fuel was pumped out. Once the AST's were pumped out they were cleaned with a degreasing solution and high pressure washing unit to remove the oily residue. The AST's were then moved from the containment dike and placed off to the side. Appendix B includes, a Limited Closure Summary Report, a Discharge Report Form, a Underground Storage System Installation and Removal Form for Certified Contractors and a Storage Tank Facility Registration Facility Form. Also included in the appendix is the non-hazardous waste manifest for the disposal of oily waste water and petroleum impacted soil.

Advanced
Environmental Laboratories, Inc.

8936 Western Way • Suite 7
Jacksonville, Florida 32256
(904) 363-9350
FAX (904) 363-9354

Client: Environmental Remediation Services, Inc.
Project Name: First Union/ WolfRanch
Project No.: 3474

Address: P.O. Box 314519
Jacksonville, FL 32235

Attention: Jessica Antonacci

Report No.: J010101
Date Sampled: 1/9/01
Date Submitted: 1/11/01
Date Reported: 1/24/01

Project Chemist: KB/KC/PW

Sample Description

The following soil samples were submitted by Environmental Remediation Services, Inc. on 1/11/01 for analysis outlined on the attached Chain of Custody:

Project Name: First Union/ WolfRanch
Project #: 3474

1. AST 1 @ 14:00
2. AST 1 @ 11:50

RECEIVED
JAN 29 2001

Approved by: Jolene C Warnke-Roszel, Project Manager

HRS# 82533,E82574
DEP# 940242

Analytical Report

Client: Environmental Remediation Services, Inc.
Project Name: First Union/ WolfRanch
Matrix: Soil

Report No.: J010101
Date Sampled: 1/9/01
Date Submitted: 1/11/01
Date Reported: 1/24/01

Volatile Halocarbons & Aromatic Hydrocarbons
EPA Method 5035/8021
Units: µg/Kg

		Lab Code:	J010101-1	J010088-mb
		Dilution Factor:	1	1
		Date Analyzed:	1/12/01	1/12/01
Analytes	**MRL**	**Sample Name:**	**AST 1**	**Method Blank**
Dichlorodifluoromethane	5		U	U
Chloromethane	5		U	U
Vinyl Chloride	5		U	U
Bromomethane	5		U	U
Chloroethane	5		U	U
Trichlorofluoromethane	5		U	U
1,1-Dichloroethene	5		U	U
Methylene Chloride	5		U	U
Methyl-*tert*-butyl Ether	5		U	U
trans-1,2-Dichloroethene	5		U	U
1,1-Dichloroethane	5		U	U
Chloroform	5		U	U
1,1,1-Trichloroethane	5		U	U
Carbon Tetrachloride	5		U	U
1,2-Dichloroethane	5		U	U
Benzene	5		U	U
Trichloroethene	5		U	U
1,2-Dichloropropane	5		U	U
Bromodichloromethane	5		U	U
cis-1,3-Dichloropropene	5		U	U
Toluene	5		U	U
trans-Dichloropropene	5		U	U
1,1,2-Trichloroethane	5		U	U
Tetrachloroethene	5		U	U
Dibromochloromethane	5		U	U
Chlorobenzene	5		U	U
Ethylbenzene	5		U	U
m&p-Xylenes	5		U	U
o-Xylene	5		U	U
Bromoform	5		U	U
1,1,2,2-Tetrachloroethane	5		U	U
1,3-Dichlorobenzene	5		U	U
1,4-Dichlorobenzene	5		U	U
1,2-Dichlorobenzene	5		U	U
Cis 1,2-Dichlorothene	5		U	U
Surrogates	**Acceptance Limits**		**Percent Recovery**	**Percent Recovery**
1,2-Dichloroethane-d4	80-120		83	103
Toluene-d8	81-117		94	102
4-Bromofluorobenzene	74-121		91	96

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	3 of 5

Polynuclear Aromatic Hydrocarbons
EPA Methods 3550B/8270C
Units: mg/Kg

		Lab Code:	J010101-2	J010073-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/12/01	1/12/01
		Date Analyzed:	1/15/01	1/15/01
Analytes	**MRL**	**Sample Name:**	**AST 1**	**Method Blank**
Naphthalene	0.100		**1.68** →	U
2-Methylnaphthalene	0.100		**8.84** ↑	U
1-Methylnaphthalene	0.100		**6.27** ↑	U
Acenaphthylene	0.100		**0.189**	U
Acenaphthene	0.100		**0.734**	U
Fluorene	0.100		**1.58**	U
Phenanthrene	0.100		**4.61**	U
Anthracene	0.100		**1.13**	U
Fluoranthene	0.100		**0.216**	U
Pyrene	0.100		**1.10**	U
Benzo(a)anthracene	0.100		U	U
Chrysene	0.100		U	U
Benzo(b)fluoranthene	0.100		U	U
Benzo(k)Fluoranthene	0.100		U	U
Benzo(a)pyrene	0.100		U	U
Indeno-1,2,3(cd)pyrene	0.100		U	U
Dibenzo(ah)anthracene	0.100		U	U
Benzo(ghi)perylene	0.100		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
2-Fluorobiphenyl	43-130	57	71

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client: Environmental Remediation Services, Inc.
Project Name: First Union/ WolfRanch
Matrix: Soil

Report No.: J010101
Date Sampled: 1/9/01
Date Submitted: 1/11/01
Date Reported: 1/24/01

Florida Petroleum Residual Organics
EPA Method 3550B/FL-PRO
Units:mg/kg

	Lab Code:	J010101-2	J010073-mb
	Dilution Factor:	1.0	1.0
	Date Extracted:	1/12/01	1/12/01
	Date Analyzed:	1/15/01	1/15/01
Analytes	MRL	Sample Name: AST 1	Method Blank
Octane (C_8)	0.250	U	U
Decane (C_{10})	0.250	U	U
Dodecane (C_{12})	0.250	11.8	U
Tetradecane (C_{14})	0.250	21.9	U
Hexadecane (C_{16})	0.250	26.3	U
Octadecane (C_{18})	0.250	28.4	U
Eicosane(C_{20})	0.250	51.6	U
Docosane (C_{22})	0.250	49.3	U
Tetracosane (C_{24})	0.250	5.16	U
Hexacosane (C_{26})	0.250	1.03	U
Octacosane (C_{28})	0.250	U	U
Triacontane (C_{30})	0.250	U	U
Dotriacontane (C_{32})	0.250	U	U
Tetratriacontane (C_{34})	0.250	U	U
Hexatriacontane (C_{36})	0.250	U	U
Octatriacontane (C_{38})	0.250	U	U
Tetracontane (C_{40})	0.250	U	U
TOTAL PHS	4.00	? 854	U

195.49 C_8 - C_{40}

Surrogate	Acceptance Limit	Percent Recovery	Percent Recovery
Ortho-terphenyl (OTP)	42-142	88	74
Nonatricontane (C39)	60-118	64	67

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010101
Project Name:	First Union/ WolfRanch	**Date Sampled:**	1/9/01
Matrix:	Soil	**Date Submitted:**	1/11/01
		Date Reported:	1/24/01
		Page No.:	5 of 5

Total Lead
EPA Method 6010B
Units: mg/kg

Sample Name	Lab Code	Date Analyzed	MRL	Sample Result
AST 1	J010101-2	1/12/01	0.50	4.18
Method Blank	J010101-mb	1/12/01	0.50	U

U Not detected above the MRL
MRL Method Reporting Limit

Advanced Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

☑ Jacksonville: 8936 Western Way, Suite 7, Jacksonville, FL 32256 • (904) 363-9350 Fax (904) 363-9354
☐ Tampa: 5810-D Breckenridge Parkway, Tampa, FL 33610 • (813) 630-9616 Fax (813) 630-4327
☐ Gainesville: 2106 NW 67th Place, Suite 7, Gainesville, FL 32606 • (352) 367-1500 Fax (352) 367-0050

JOB NUMBER: 30[illegible]

CLIENT NAME: Environmental Remediation Services	PROJECT NAME: First Union
ADDRESS: 14600 Duval Place west, Suite 502	P.O. NUMBER / PROJECT NUMBER: 3692-4 / 3474
Jacksonville, Florida 32218	PROJECT LOCATION: Wolfe Ranch ASTs
PHONE: 904 741-4244 FAX: 904 741-3013	SAMPLED BY: Jessica / Sophon / Jayson
CONTACT: Jessica Antonacci	SPECIAL INSTRUCTIONS:

TURN AROUND TIME or RESULTS DUE BY:

☑ STANDARD ☐ VERBAL_____

☐ RUSH_____ ☐ FAX_____

☐ OTHER_____ ☐ HARD COPY_____

	SAMPLE DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAIN.	PRESERVATIVE	CONTAINER SIZE AND TYPE	8021 HVA	FL-PRO	8310 (PAH)	6010 (PB)	7421		
1	confirmatory soil - AST 1	1-9-01	1400	SO	3		2 syrnx 2oz. G	X						-1
2	confirmatory soil - AST 1	1-10-01	1150	SO	2		1 8oz. G		X	X	X	X		-2
3	confirmatory soil - AST 2	1-10-01	1620	SO	4		1 8oz. G	X	X	X	X	X		-3
4	confirmatory soil - AST 3	1-10-01	1620	SO	5		1 8oz. G	X	X	X	X	X		-4

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:

TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
1	Jessica Antonacci	[signature]	1/11/01	1207
2				
3				
4				

ON ICE/4°C ☐ YES ☐ NO SHIPPED VIA: Client

Advanced
Environmental Laboratories, Inc.

8936 Western Way • Suite 7
Jacksonville, Florida 32256
(904) 363-9350
FAX (904) 363-9354

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/WolfRanch	**Date Sampled:**	Various
Project No.:	3692-4/3474	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
Address:	P.O. Box 351419 Jacksonville, FL 32235-1419	**Project Chemist:**	KB/KC/PW
		Page No.:	1 of 6
Attention:	Jessica Antonacci		

Sample Description

The following water samples were submitted by Environmental Remediation Services, Inc. on 1/11/01 for analysis outlined on the attached Chain of Custody:

Project Name: First Union
Project #: 3692-4/3474

1. AST-TW-1 @ 11:15;1/10/01

Approved by: _____
Jolene C. Warnke-Roszel, Project Manager

HRS# 82533,E82574
DEP# 940242

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	2 of 6

Volatile Halocarbons & Aromatic Hydrocarbons
EPA Method 5035/8260H+A
Units: µg/L

		Lab Code:	J010100-1	J010098-mb
		Dilution Factor:	1	1
		Date Analyzed:	1/13/01	1/13/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Cis 1,2-Dichlorothene	1		U	U
Dichlorodifluoromethane	1		U	U
Chloromethane	1		U	U
Vinyl Chloride	1		U	U
Bromomethane	1		U	U
Chloroethane	1		U	U
Trichlorofluoromethane	1		U	U
1,1-Dichloroethene	1		U	U
Methylene Chloride	1		U	U
Methyl-*tert*-butyl Ether	1		U	U
trans-1,2-Dichloroethene	1		U	U
1,1-Dichloroethane	1		U	U
Chloroform	1		U	U
1,1,1-Trichloroethane	1		U	U
Carbon Tetrachloride	1		U	U
1,2-Dichloroethane	1		U	U
Benzene	1		U	U
Trichloroethene	1		U	U
1,2-Dichloropropane	1		U	U
Bromodichloromethane	1		U	U
cis-1,3-Dichloropropene	1		U	U
Toluene	1		U	U
trans-Dichloropropene	1		U	U
1,1,2-Trichloroethane	1		U	U
Tetrachloroethene	1		U	U
Dibromochloromethane	1		U	U
Chlorobenzene	1		U	U
Ethylbenzene	1		U	U
m&p-Xylenes	1		1.7	U
o-Xylene	1		U	U
Bromoform	1		U	U
1,1,2,2-Tetrachloroethane	1		U	U
1,3-Dichlorobenzene	1		U	U
1,4-Dichlorobenzene	1		U	U
1,2-Dichlorobenzene	1		U	U
Surrogates	**Acceptance Limits**		**Percent Recovery**	**Percent Recovery**
1,2-Dichloroethane-d4	80-120		110	91
Toluene-d8	88-110		101	97
4-Bromofluorobenzene	86-115		93	95

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	3 of 6

Polynuclear Aromatic Hydrocarbons
EPA Methods 3510C/8310
Units: ug/L

		Lab Code:	J010100-1	J010098-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/12/01	1/12/01
		Date Analyzed:	1/17/01	1/17/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Acenaphthylene	1		U	U
Naphthalene	1		5.56	U 20
Acenaphthene	1		U	U
2-Methylnaphthalene	1		36.9	U 20
1-Methylnaphthalene	1		11.6	U 20
Fluorene	1		2.18	U 280
Phenanthrene	1		U	U
Anthracene	1		U	U
Fluoranthene	1		U	U
Pyrene	1		U	U
Benzo(a)anthracene	0.2		U	U
Chrysene	1		U	U
Benzo(b)fluoranthene	0.2		U	U
Benzo(k)fluoranthene	0.5		U	U
Benzo(a)pyrene	0.2		U	U
Dibenzo(ah)anthracene	0.2		U	U
Indeno-1,2,3(cd)pyrene	0.2		U	U
Benzo(ghi)perylene	1		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Decafluorobiphenyl	20-115	82	111

U Not detected above the MRL
MRL Method Reporting Limit

Client: Environmental Remediation Services, Inc.
Project Name: First Union/Wolf Ranch
Matrix: Water

Report No.: J010100A
Date Sampled: Various
Date Submitted: 1/11/01
Date Reported: 1/19/01

Florida Petroleum Residual Organics
EPA Method 3510C/FL-PRO
Units: µg/L

		Lab Code:	J010100-1	J010100-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/17/01	1/17/01
		Date Analyzed:	1/17/01	1/17/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Octane (C_8)	10		U	U
Decane (C_{10})	10		U	U
Dodecane (C_{12})	10		U	U
Tetradecane (C_{14})	10		U	U
Hexadecane (C_{16})	10		U	U
Octadecane (C_{18})	10		U	U
Eicosane(C_{20})	10		U	U
Docosane (C_{22})	10		U	U
Tetracosane (C_{24})	10		U	U
Hexacosane (C_{26})	10		U	U
Octacosane (C_{28})	10		U	U
Triacosane (C_{30})	10		U	U
Dotriacotane (C_{32})	10		U	U
Tetratriacontane (C_{34})	10		U	U
Hexatriacotane (C_{36})	10		U	U
Octatriacotane (C_{38})	10		U	U
Tetracotane (C_{40})	10		U	U
TOTAL PHS	200		U	U

Surrogate	**Acceptance Limit**	**Percent Recovery**	**Percent Recovery**
Ortho-terphenyl (OTP)	42-142	43	99
Nonatria-contane (C39)	42-193	66	100

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client: Environmental Remediation Services, Inc.
Project Name: First Union/ Wolf Ranch
Matrix: Water

Report No.: J010100A
Date Sampled: Various
Date Submitted: 1/11/01
Date Reported: 1/19/01

Ethylene Dibromide
EPA Method 504.1
Units: µg/L

		Lab Code:	J010100-1	J010100-mb
		Dilution Factor:	1.0	1.0
		Date Extracted:	1/17/01	1/17/01
		Date Analyzed:	1/18/01	1/18/01
Analytes	**MRL**	**Sample Name:**	**AST-TW-1**	**Method Blank**
Ethylene Dibromide (EDB)	0.02		U	U
1,2-Dibromo-3-Chloropropane (DBCP)	0.02		U	U

Surrogate	Acceptance Limit	Percent Recovery	Percent Recovery
Tetrachloro-*m*-xylene	15-131	103	111

U Not detected above the MRL
MRL Method Reporting Limit

Analytical Report

Client:	Environmental Remediation Services, Inc.	**Report No.:**	J010100A
Project Name:	First Union/Wolf Ranch	**Date Sampled:**	Various
Matrix:	Water	**Date Submitted:**	1/11/01
		Date Reported:	1/19/01
		Page No.:	6 of 6

Total Lead
EPA Method 6010B
Units: mg/L

Sample Name	Lab Code	Date Analyzed	MRL	Sample Result
AST-TW-1	J010100-1	1/12/01	0.005	0.42
Method Blank	J010090-mb	1/12/01	0.005	U

U Not detected above the MRL
MRL Method Reporting Limit

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

DEP Form # 62-761.900(5)
Form Title: UST Contractor Form
Effective Date: July 13, 1998

Underground Storage System Installation and Removal Form for Certified Contractors

Pollutant Storage Systems Contractor as defined in Section 489.113, Florida Statutes (certified contractors as defined in Section 62-761.200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the underground storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards. This includes system components such as dispenser liners, piping sumps, and overfill protection devices.

General Facility Information

Facility Name: Wolfe Ranch	DEP Facility Identification No.: 8631076
Street Address (physical location): 6260 Highway 169, St. Augustine, FL 32092	
County: St. Johns	Telephone #: ( )
Owner Name: First Union National Bank as Trustee	Telephone #: (904) 489-1029
Owner Address: 214 North Hogan Street, Jacksonville, FL 32203	

Storage Tank System Information

Number of Tanks Installed: -0-	Number of Tanks Removed: 2
Date Work Initiated: 12/28/00	Date Work Completed: 1/15/01
Tank(s) Manufactured by: Unknown	
Description of work Completed: Removal and disposal of 2 - 1,000 gallon aboveground storage tanks, dispensers and containment area.	

Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Protection; that to the best of my knowledge and belief, the storage tank system installation, replacement or removal at this facility was conducted in accordance with Chapter 489, Florida Statutes, Section 376.303, Florida Statutes, and Chapter 62-761, Florida Administrative Code, and its adopted reference standards and documents for underground storage tank systems.

Environmental Remediation Services, Inc.	PCC048415
(Type or Print) Certified Pollutant Tank Contractor Name	PSSC Number Pollutant Storage Systems Contractor License Number
Chad M. Dunn	2/9/01
Certified Tank Contractor Signature	Date
John Anderson	2/9/01
Field Supervisor Name	Date

The owner or operator of the facility must register the tanks with the Department upon completion of the installation. The installer must submit this form to the County no more than 30 days after the completion of installation, replacement, or removal of a storage tank system.

Department of Environmental Protection

Twin Towers Office Building • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DEP Form 62-761.900(8)
Form Title: Limited Closure Summary Report
Effective Date: July 13, 1998

Limited Closure Summary Report

This form is required for facilities that have sites with documented contamination requiring a site assessment in accordance with Chapter 62-770, F.A.C. This includes those facilities that are eligible for the Early Detection Incentive Program (EDI), the Florida Petroleum Liability and Restoration Insurance Program (FPLRIP), and the Petroleum Cleanup Participation Program (PCPP), pursuant to Sections 376.3071 and 376.3072, F.S. Documentation of procedures followed, and results obtained during closure shall be reported in this form, along with any attachments. This form shall be submitted to the County within 60 days of completion of the closure in accordance with Section A of the "Storage Tank System Closure Assessment Requirements."

Complete All Applicable Blanks. Please Print or Type

General Information

Date 2/9/01	FDEP Facility ID Number 8631076	County St. Johns
Facility Name Wolfe Ranch	Facility Telephone #: ( )	
Facility Address: 6260 Highway 169, St. Augustine, FL 32092		
Owner or Operator Name: First Union National Bank as trustee	Owner/Operator phone #: (904) 489-1029	
Mailing Address: 214 North Hogan Street, Jacksonville, FL 32203		

Storage Tank System Closure Information

1. Were the storage tanks(s): (Check one or both)

☒ Aboveground	☐ Underground

2. General System Information

Types of Products Stored: DIESEL FUEL & GASOLINE	Number of Tanks Closed 2	Age(s) of Tanks 10 years

3. Was the Limited Closure Summary Report Performed as a Result of: (check one or more)

☒ Tank Systems Removal?	☐ Spill Containment Installation?	☐ Change in Storage to a Non-Regulated Substance?
☐ Tank Systems Closed in Place?	☐ Dispenser Liners Installation?	☐ Release Prevention Barrier Installation?
☐ Piping Sump Installation?	☐ Secondary Containment Installation?	☐ Other? (please explain)

4. Please Check Yes or No to the following:

a. Was there previously reported contamination discovered on site? If yes, was	☐ Yes	☒ No
1. A Discharge Report Form submitted to the County?	☐ Yes	☐ No
2. An investigation performed in accordance with Rule 62-761.820, F.A.C.?	☐ Yes	☐ No
b. Is the depth to groundwater less than 20 feet?	☒ Yes	☐ No
c. Are there monitoring wells on site? If yes, were they	☐ Yes	☒ No
1. Groundwater monitoring wells?	☐ Yes	☐ No
2. Vapor monitoring wells?	☐ Yes	☐ No
3. Used for closure assessment sampling?	☐ Yes	☐ No
4. Properly closed?	☐ Yes	☐ No
5. Retained for site assessment purposes?	☐ Yes	☐ No
d. If tanks were replaced, were contaminated soils returned to the tank excavation?	☐ Yes	☒ No

Signature of owner or operator	Signature of person performing Limited Closure Assessment	Jayson Smith Name of person performing Limited Closure Assessment
(date)	(date) 2/9/01	Affiliation Environmental Remediation Svcs

Discharge Report Form

PLEASE PRINT OR TYPE

Instructions are on the reverse side. Please complete all applicable blanks

1. Facility ID Number (if registered): 8631076 2. Date of form completion: 1-23-01

3. General information
Facility name or responsible party (if applicable): Wolfe Ranch
Facility Owner or Operator, or Discharger: First Union National Bank as Trustee
Contact Person: Suzi Renehan Telephone Number: (904) 489-1029 County: Duval
Facility or Discharger Mailing Address: 245 N. Hogan St. Jacksonville Florida 32203
Location of Discharge (street address): 6260 Hwy 1&5 & Hwy 16 St. Augustine Florida 32092
Latitude and Longitude of Discharge (if known)

4. Date of receipt of test results or discovery of confirmed discharge: 1-22-01 month/day/year

5. Estimated number of gallons discharged: unknown

6. Discharge affected: [ ] Air [ ] Soil [✓] Groundwater [ ] Drinking water well(s) [ ] Shoreline [ ] Surface water (water body name)

7. Method of discovery (check all that apply)

[ ] Liquid detector (automatic or manual)	[ ] Internal inspection	[✓] Closure/Closure Assessment
[ ] Vapor detector (automatic or manual)	[ ] Inventory control	[✓] Groundwater analytical samples
[ ] Tightness test	[ ] Monitoring wells	[ ] Soil analytical tests or samples
[ ] Pressure test	[ ] Automatic tank gauging	[ ] Visual observation
[ ] Statistical Inventory Reconciliation	[ ] Manual tank gauging	[ ] Other

8. Type of regulated substance discharged: (check one)

[ ] Unknown	[ ] Used/waste oil	[ ] Jet fuel	[ ] Heating oil	[ ] New/lube oil
[ ] Gasoline	[ ] Aviation gas	[✓] Diesel	[ ] Kerosene	[ ] Mineral acid

[ ] Hazardous substance - includes CERCLA substances from USTs above reportable quantities, pesticides, ammonia, chlorine, and derivatives (write in name or Chemical Abstract Service (CAS) number)
[ ] Other

9. Source of Discharge: (check all that apply)

[ ] Dispensing system	[ ] Pipe	[ ] Barge	[ ] Pipeline	[ ] Vehicle
[✓] Tank	[ ] Fitting	[ ] Tanker ship	[ ] Railroad tanker	[ ] Airplane
[ ] Unknown	[ ] Valve failure	[ ] Other Vessel	[ ] Tank truck	[ ] Drum

[ ] Other

10. Cause of the discharge: (check all that apply)

[ ] Loose connection	[ ] Puncture	[✓] Spill	[ ] Collision	[ ] Corrosion
[ ] Fire/explosion	[ ] Overfill	[ ] Human error	[ ] Vehicle Accident	[ ] Installation failure

[ ] Other

11. Actions taken in response to the discharge: Above ground storage tanks were cleaned out and removed from the storage dike. The dike was torn down and the soil was excavated. The excavation was backfilled with clean dirt.

12. Comments:

13. Agencies notified (as applicable):

[ ] State Warning Point 1-800 320-0519	[ ] National Response Center 1-800-424-8802	[ ] Florida Marine Patrol (800) 342-5367	[ ] Fire Department	[ ] DEP (district/person) [✓] County Tanks Program

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

X Suzi Renehan A.V.P. — Printed Name of Owner, Operator or Authorized Representative, or Discharger

Suzi Renehan A.V.P. — Signature of Owner, Operator or Authorized Representative, or Discharger

Suzi Renehan

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

Form Title: Storage Tank Registration Form
Effective Date: July 13, 1998
DEP Application No. _____ (Filled in by DEP)

Storage Tank Facility Registration Form

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes.

Please review Registration Instructions before completing the form.

Please check all that apply:	[ ] New Registration	[ ] New Owner	[ ] New Tanks
	[√] Facility Info Update/Correction	[ ] Owner Info Update/Correction	[√] Tank Info Update/Correction

A. FACILITY INFORMATION County: St. Johns DEP Facility ID: 8600646

Facility Name: Wolfe Ranch
Facility Address: 6760 Hwy 16A & Hwy 16 City: St. Augustine Zip: 32092
Facility Contact: Diane Ross Business Phone: (904) 522-0463
Facility Type(s): _____ NAICS Code: _____ Financial Responsibility: _____

24 Hour Emergency Contact: _____ Emergency Phone: ( )

B. RESPONSIBLE PERSON INFORMATION - Identify Individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. Provide additional information in an attachment if necessary.

Name: First Union National Bank of Trustee	Facility - Responsible Person Relation Type:	Effective Date
Mail address: 214 N. Hogan St.	[√] Facility Account Owner (pays fees)	
City, ST, Zip: Jacksonville, Florida 32203	Facility Account Owner information must be provided when the facility contains active (in-use) storage tanks on site.	
Contact: Suzi Renehan Asst. Vice President		
Telephone: 904/489-1029	STCM Account Number (if known)	
Identify other appropriate facility relationships for this party: [ ] Facility Owner/Operator [√] Property Owner [ ] Storage Tank Owner		

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date	Construction	Piping	Monitoring
1	T	A	1000	7-1-92	D	T 1-5-01	CK	SA	D
2	T	A	1000	7-1-92	D	T 1-5-01	CK	SA	D

Certified Contractor (performing tank installation or removal): Environmental Remediation Svc. DBPR License No.: PCC048415

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

X Suzi Renehan, A.V.P. Suzi Renehan, A.V.P. 1-22-01
Printed Name & Title Signature Date

DEP 62-761.900(2)

Northwest District 160 Governmental Center Blvd. Pensacola, FL 32501 850-595-8360
Northeast District 7825 Baymeadows Way, Suite B200 Jacksonville, FL 32256 904-448-4300
Central District 3319 Maguire Blvd., Suite 232 Orlando, FL 32803 407-894-7555
Southwest District 3804 Coconut Palm Drive Tampa, FL 33619 813-744-6100
Southeast District 400 North Congress Ave., W Palm Beach, FL 33416 561-681-6600
South District 2295 Victoria Ave., Suite 364 Fort Myers, FL 33901 941-332-6975
Marathon Branch Office 2796 Overseas Hwy., Suite 221 Marathon, FL 33050 305-289-2310

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1
Not Required	6041 2	

GENERATOR

3. Generator's Name and Mailing Address
Wolfe Ranch % First Union Bank (St. Augt. Fl.)
214 N Hogan St. Jax. Fl. 32203

4. Generator's Phone (904) 489-1029 Contact: Suzi Rankin

5. Transporter 1 Company Name	6. US EPA ID Number
Environmental Remediation Services	FLD984261412
7. Transporter 2 Company Name	8. US EPA ID Number

9. Designated Facility Name and Site Address	10. US EPA ID Number
Industrial Water Services 1640 Talleyrand Ave Jax. Fl. 32206	FLD981928484

A. Transporter's Phone 9047414744
B. Transporter's Phone n/a
C. Facility's Phone 904

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Haz oily Waste Water	001	TT	00670	G
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above
N/A

E. Handling Codes for Wastes Listed Above
N/A

15. Special Handling Instructions and Additional Information
Job # 3474
IWS Appv. #6600

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
John Anderson (Agent)		12	28	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Jon E Ross		12	28	00

ORIGINAL – RETURN TO GENERATOR

5. Transporter 1 Company Name: Pritchett Trucking	6. US EPA ID Number: Not Required	A. Transporter 1 Phone: 800/486-750	
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Kedesh Inc. 901 Hwy No. 17 North Kingsland, Georgia 31548	10. US EPA ID Number: G 9 5 1 0 2 0 1 1 3 1 5	C. Facility's Phone: 912/579-9979	

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0023	
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
N/A TRUCK # 737	N/A

15. Special Handling Instructions and Additional Information

ERS Project No.3474
ERS Manifest No: 3374-1

Emergency Contact: Environmental Remediation Services, Inc (904)741-4744

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
AGENT JAYSON SMITH	Jayson Smith	10	26	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Darryl Ball	Darryl Ball	10	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

6. Transporter 1 Company Name: Pritchard Inc.	7. US EPA ID Number: Not Required	A. Transporter's Phone Number: 912/264-5043
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone Number
9. Designated Facility Name and Site Address: Kedesh Inc. 901 Hwy No. 17 North Kingsland, Georgia 31548	10. US EPA ID Number: 2.9.5.1.0.2.0.1.1.3.1.5	C. Facility's Phone: 912/579-9979

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0023	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
N/A TRUCK # 729	N/A

15. Special Handling Instructions and Additional Information

ERS Project No. 3474
ERS Manifest No: 3374-2

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
AGENT - JAYSON SMITH	Jayson Smith	10	01	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Brian Ball		10	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

5. Transporter 1 Company Name | US EPA ID Number | A. Transporter's Phone

7. Transporter 2 Company Name | US EPA ID Number | B. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | C. Facility's Phone

Kedeah Inc.
901 Hwy No. 17 North
Kingsland, Georgia 31548 | 0 9 5 1 0 2 0 1 1 3 3 5 | 912/579-3379

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0013	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above: N/A

E. Handling Codes for Wastes Listed Above: N/A

15. Special Handling Instructions and Additional Information

TKF 314

ERS Project No. 3474
ERS Manifest No: 3374-3

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		07	21	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Lewis	Tommy Lewis	07	21	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR — TRANSPORTER — FACILITY

GENERATOR'S COPY

6. Transporter 1 Company Name: Not Required	7. US EPA ID Number	A. Transporter 1 Phone: 800/486-7504
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter 2 Phone
9. Designated Facility Name and Site Address: Kedesh Inc. 901 Hwy No. 17 North Ringsland, Georgia 31548	10. US EPA ID Number: 2 9 5 1 0 2 0 1 1 3 1 5	C. Facility's Phone: 912/579-9979

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	0.0023	
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
N/A	N/A

15. Special Handling Instructions and Additional Information

ERS Project No.3474
ERS Manifest No: 3374-4

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Marcus Lewis Agent		02	01	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Marshall Parker		02	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

5. Transporter 1 Company Name: Privett Trucking	6. US EPA ID Number: [illegible]	A. Transporter 1 Phone: 706-7504
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter 2 Phone
9. Designated Facility Name and Site Address Kedesh Inc. 901 Hwy No. 17 North Kingsland, Georgia 31548	10. US EPA ID Number G 9 5 1 0 2 0 1 1 3 1 5	C. Facility's Phone 912/579-9979

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Impacted Soil	001	DT	00023	T
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
N/A	N/A

15. Special Handling Instructions and Additional Information

ERS Project No 3474
ERS Manifest No: 3374-5

TRUCK # 372

Emergency Contact: Environmental Remediation Services, Inc. (904)741-4744

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]				

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

5. Transporter 1 Company Name: Pritchett Trucking	6. US EPA ID Number: NOT REQUIRED	A. Transporter's Phone: 800-486-7504
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address: Kedesh INC. 901 Hwy. No. 17 North Kingsland, GA 31548	10. US EPA ID Number: G.9.5.1.0.2.0.1.1.3.1.5	C. Facility's Phone: 912-579-9979

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	13. Unit Wt./Vol.
a. Non-Hazardous Petroleum Impacted Soil	001	DT	00023	
b. N/A				
c. N/A				
d. N/A				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
N/A	

15. Special Handling Instructions and Additional Information

ER - Project No. 3474

ER - Manifest No. 7474-c

TR = 464

Emergency Contact: Environmental Remediation Services, INC (904) 741-4744

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
AGENT Marcus Crews		02	01	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		02	01	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR — TRANSPORTER — FACILITY

GENERATOR'S COPY

OVA-PID Screening Results:

First Union / Wolfe Ranch AST
6260 Hwy 16a & Hwy 16
St. Augustine, Florida 32092

Re: Wolfe Ranch AST OVA-PID Screening Results

Sample Location	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)	Depth ft.	Results (ppm)
A	1	1.7	2	5.0	3*	24.0	4*	2.3
A-wall	1	96	2	88.5	3*	14.9		
B	1	2.2	2	2.4	3*	1.7		
C	1	1.7	2	2.0	3*	1.9		
D	1	1.6	2	1.5	3*	2.1		
E	1	46	2	26	3*	17	4*	2.6
F	1	40	2	21	3*	12	4*	5.0

ppm = parts per million
ft-bls = feet below land surface

* = groundwater and excavation completion

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

Storage Tank Facility Registration Form

Submit a completed form for the facility when registration of storage tank(s) or compressor vessel is required by Chapter 376.303, Florida Statutes.

Please read instructions before completing this form.

Please check all that apply: [ ] New Facility [ ] Facility Ownership Change [ ] Tank Status Change [ ] Tank Upgrade [ ] Tank Removal [ ] Tank Closure-In-Place [ ] Other Correction

A. FACILITY INFORMATION

Caller: DEP Facility ID: 7860-9[illegible]

Facility Name: Wolfe Ranch

Facility Address: 6260 Hwy 1 & Hwy 16 City: St. Augustine Zip: 32092

Facility Contact: Diane Ross Business Phone: (904) 522-0463

Facility Type(s): NAICS Code: Financial Responsibility:

24 Hour Emergency Contact: Emergency Phone: ( )

B. RESPONSIBLE PERSON INFORMATION - Identify individual(s) or business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. Provide additional information in an attachment if necessary.

Name: First Union National Bank of Florida	Facility - Responsible Person Relation Type:	Effective Date
Mail address: 214 N. Hogan St.	[√] Facility Active(s) Owner (pays fees)	
City, ST, Zip: Jacksonville, Florida 32202	Facility Account Owner information must be provided when the facility contains active (in-use) storage tanks on site.	
Contact: Suzi Renehan Asst. Vice President		
Telephone: 904 / 489-1029	STCM Account Number (if known)	
Identify other appropriate facility relationships for this party: [ ] Facility Owner/Operator [√] Property Owner [ ] Storage Tank Owner		

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status/Effective Date	Construction	Piping	Monitoring
1	T	A	1000	7-1-90	D	T 1-5-01	CK	SA	G
2	T	A	1000	7-1-90	D	T 1-5-01	CK	SA	G

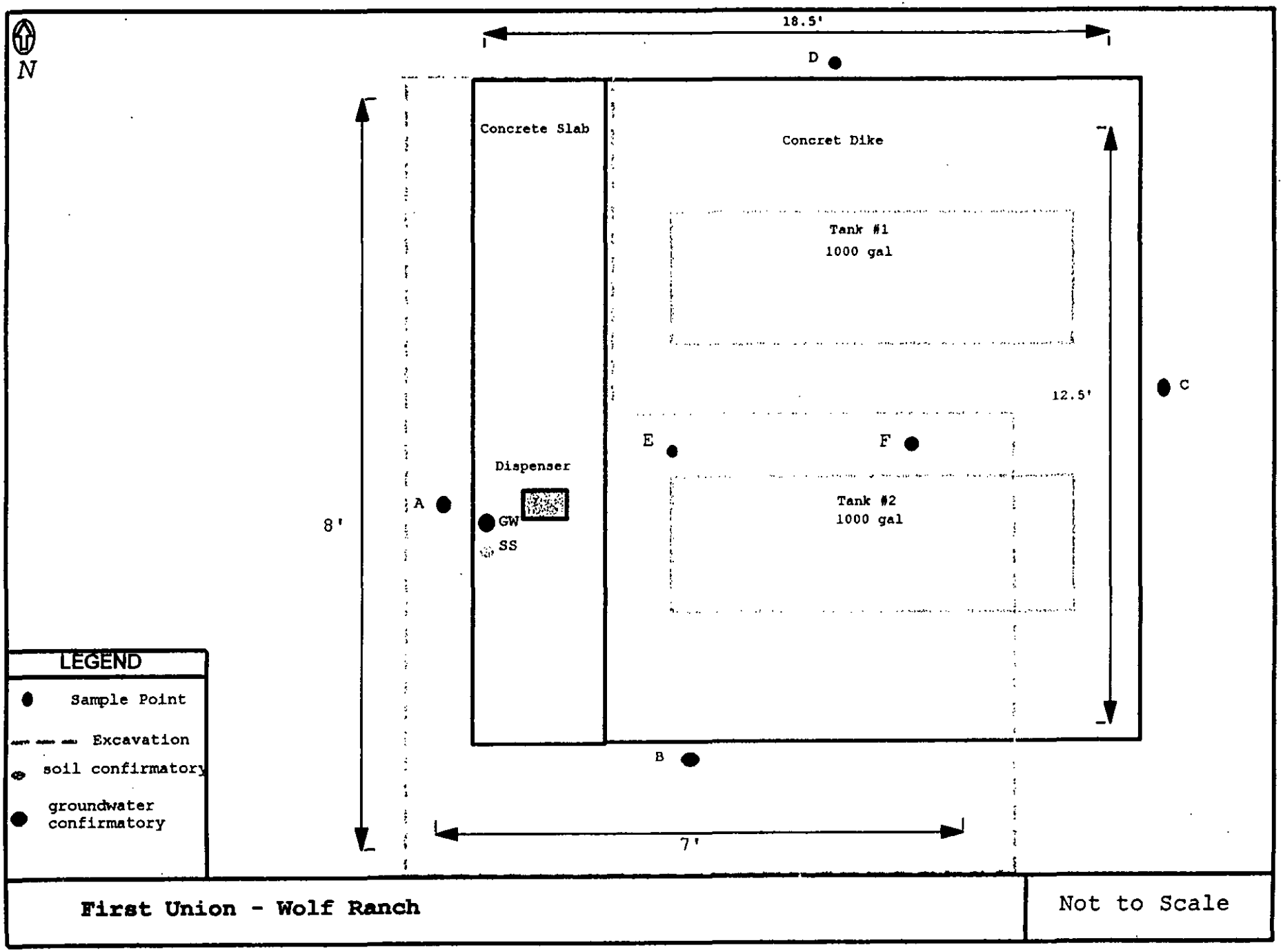
Certified Contractor (performing tank installation or removal): Environmental Remediation Svc. DBPR License No.: PCC048415

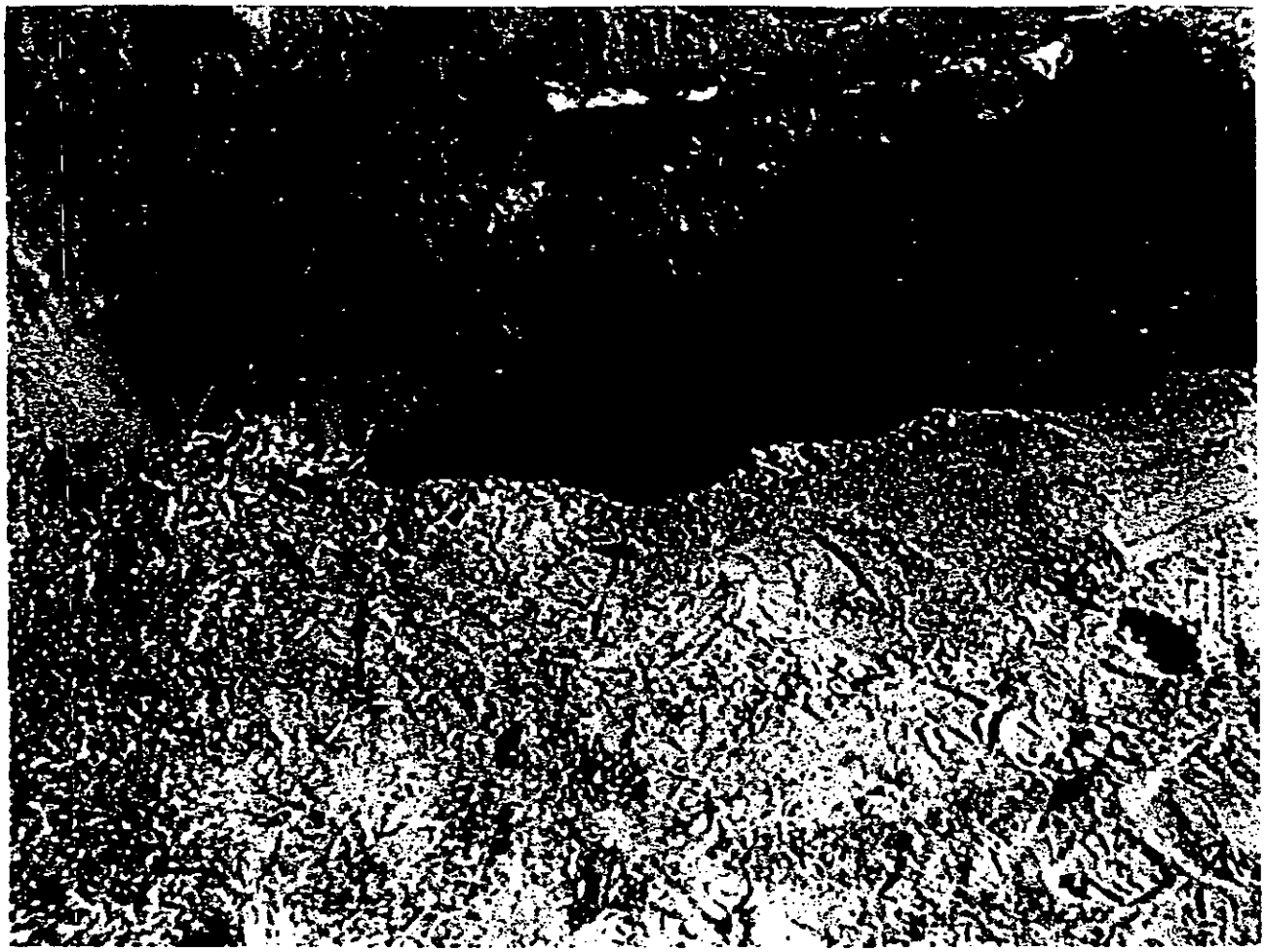
Registration Certification: To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.

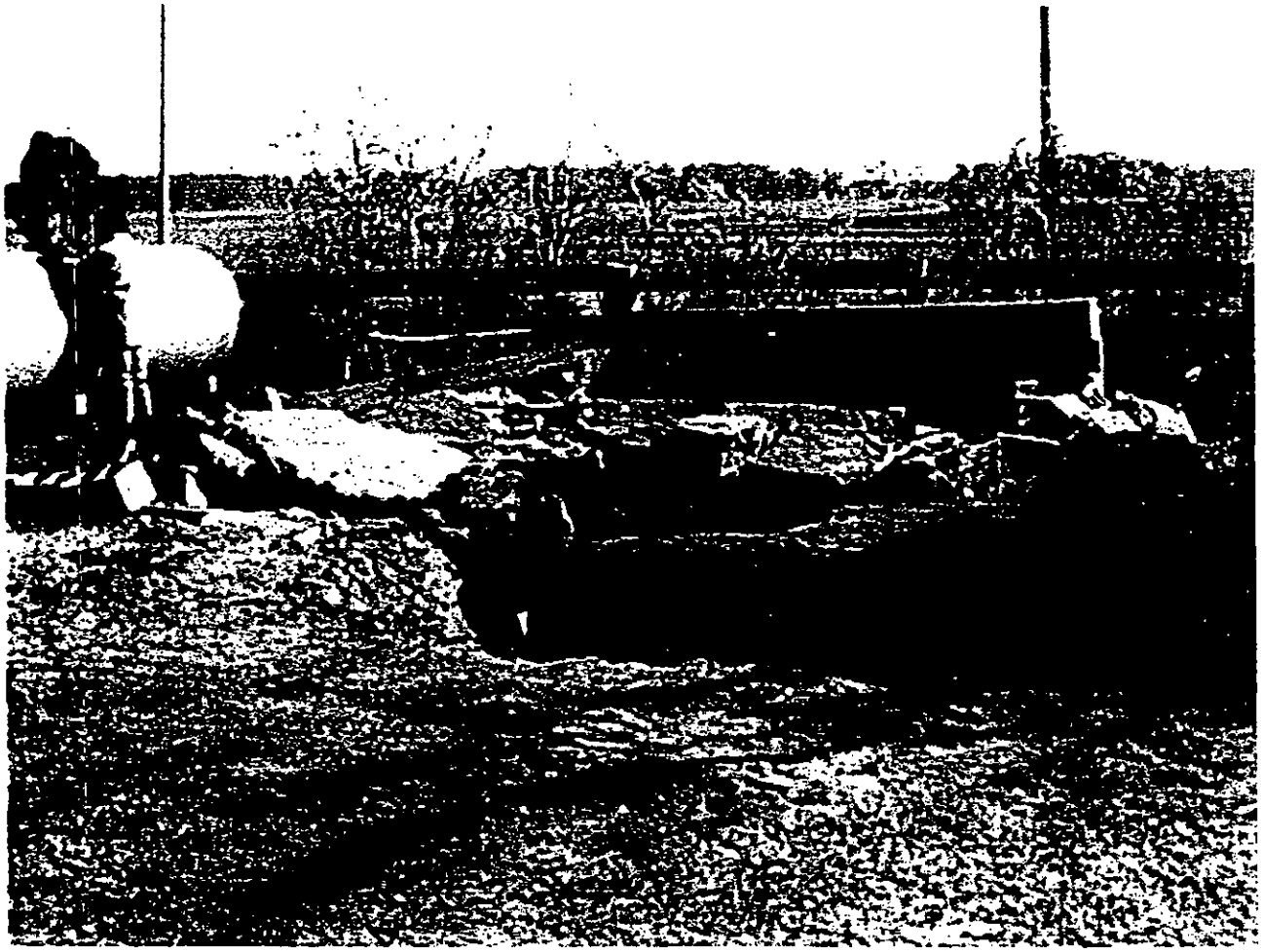
X Suzi Renehan, A.V.P. Suzi Renehan, A.V.P. 1-23-01
Printed Name & Title Signature Date

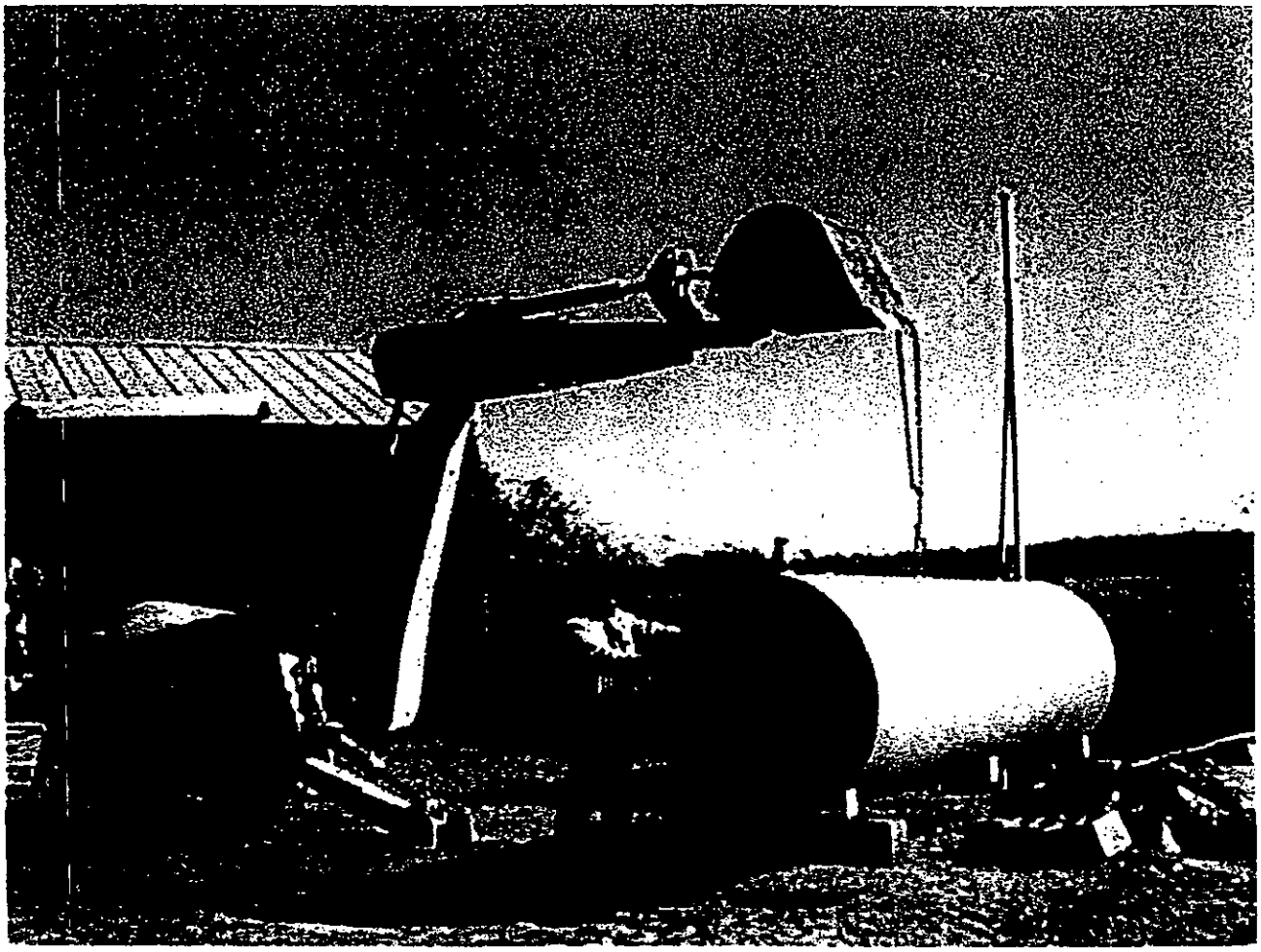
DEP 62-761.900(2)

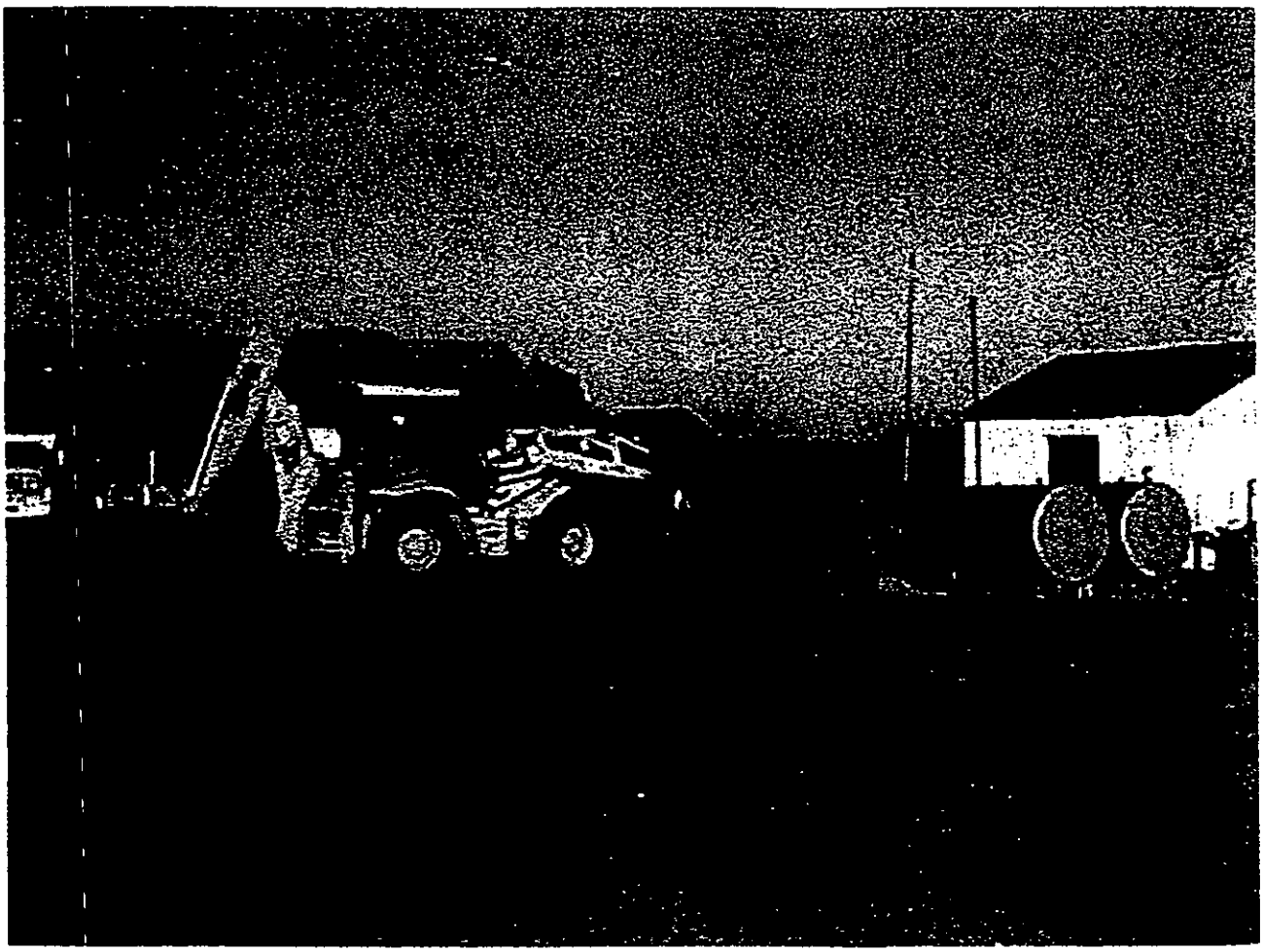
Northwest District 160 Governmental Center Blvd. Pensacola, FL 32501 850-595-8300
Northeast District 7825 Baymeadows Way, Suite B200 Jacksonville, FL 32256 904-448-4300
Central District 3319 Maguire Blvd., Suite 232 Orlando, FL 32803 407-894-7555
Southwest District 3804 Coconut Palm Drive Tampa, FL 33619 813-744-6100
Southeast District 400 North Congress Ave., W Palm Beach, FL 33416 561-681-6600
South District 2295 Victoria Ave., Suite 364 Fort Myers, FL 33901 941-332-6975
Marathon Branch Office 2796 Overseas Hwy., Suite 221 Marathon, FL 33050 305-289-2310

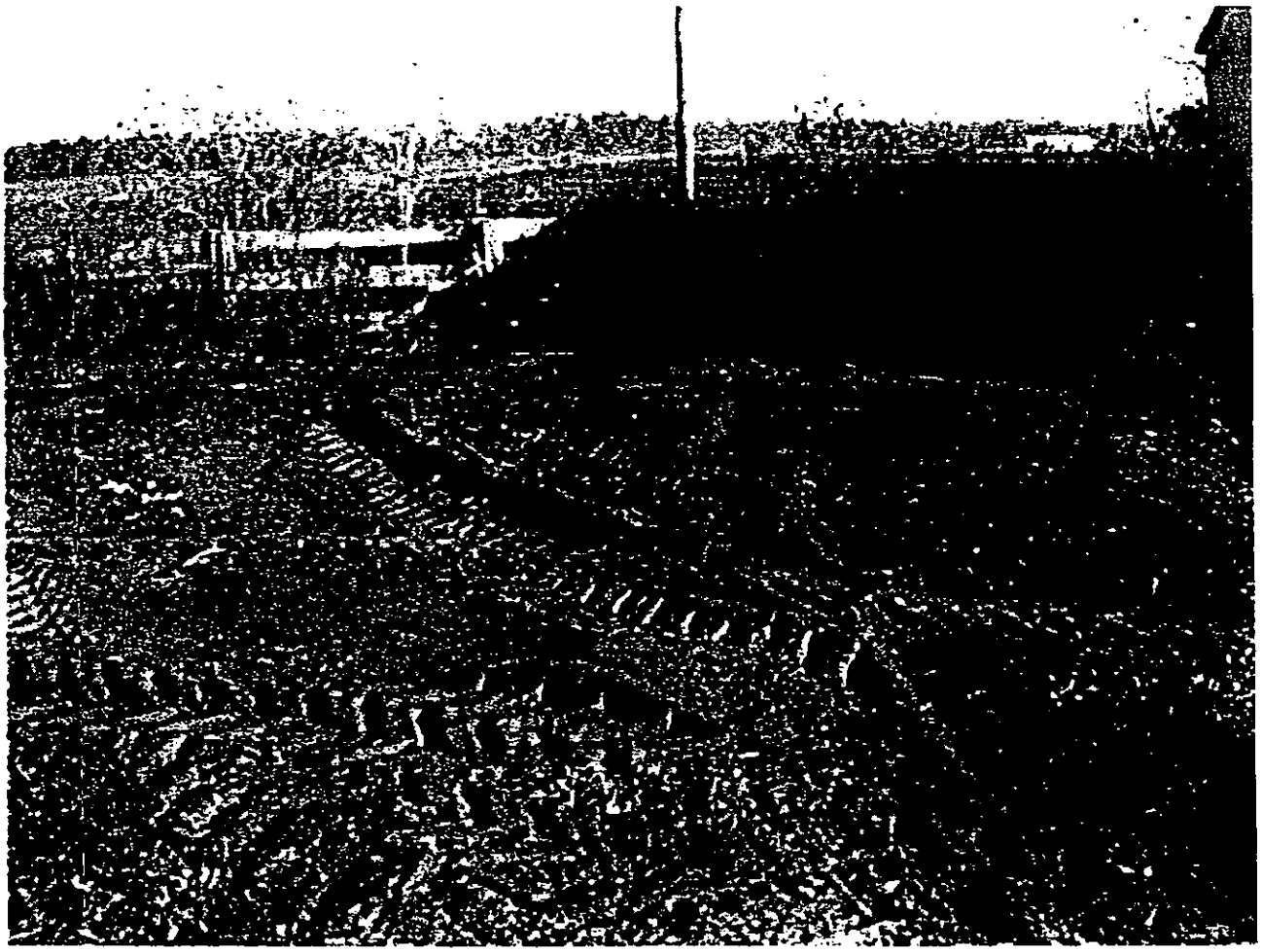

N
18.5'
D
Concrete Slab
Concret Dike
Tank #1
1000 gal
12.5'
C
E
F
Dispenser
A
GW
SS
Tank #2
1000 gal
8'
B
7'
LEGEND
Sample Point
Excavation
soil confirmatory
groundwater confirmatory
First Union - Wolf Ranch
Not to Scale











APPENDIX B

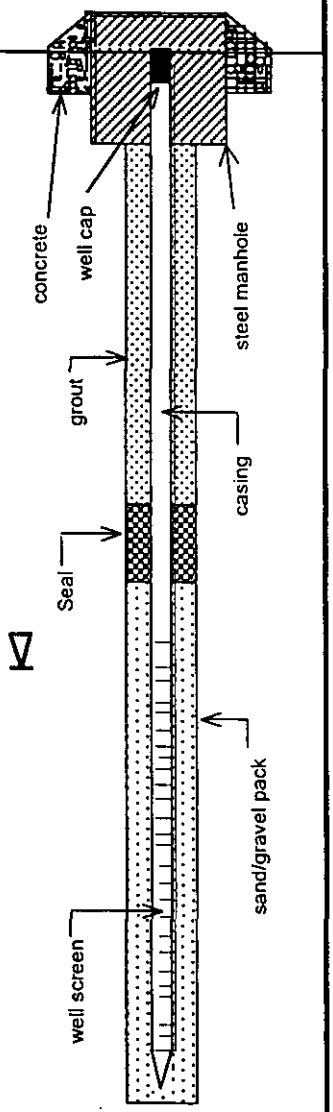
Monitoring Well Construction Logs

WELL LOG: MW-1

Permit #	01-0672	Drill Date	07/16/01	Site	Wolfe Ranch #1
Client	First Union	Use	Monitor Well	E&A Project #	01-7087
Site Address	6260 Highway 16A, St. Augustine, FL.			Total Depth (ft)	12
Drilling Method	Hollow Stem Auger	Boring Depth (ft)	12	Boring Diam. (in)	10.5
Casing/Scrn. Mat	Sch -40 PVC	Csg/Scrn Diam (in)	2	Csg Length(ft)	12
Grout Type	Portland	Grout Interval (ft) 0	to 6"	Scrn Length (ft)	10
Csg Seal Type	Bentonite	Seal Interval (ft) 6"	to 1.5'	Scrn Slot Size (in)	0.010
Sand Pack Type	20/30	Sand Interval (ft) 1.5'	to 12'	Static Water Level	3
Rmrks		TOC Elevation (ft)	4.76	Sample Method	NA

Depth (ft.)	Sample ID	Sample Depth (ft)	Blows/ 6"	OVA (ppm) unf/fil	Geologic Description
0				0	
				0	0-3' SAND; Fine Grained; Light Brown.
				0	
5				0	3'-5' SAND; Fine Grained; Tan
					5'-7' SAND; Clayey, orange
10					7'-12' SAND; Fine Grained; Light gray-brown
					END OF BORING
15					
20					
25					
30					

Typical Diagram



Not to Scale

Notes:

Geologist: Eric Fuller

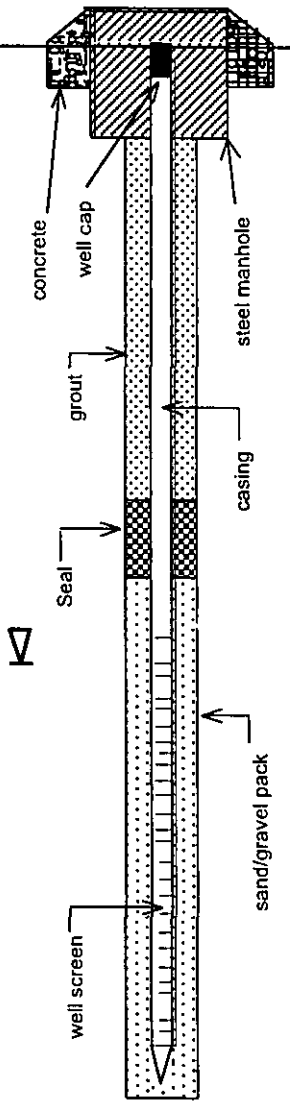
Driller: Ellis & Associates

WELL LOG: MW-2

Permit #	01-0672	Drill Date	07/16/01			Site	Wolfe Ranch #1
Client	First Union	Use	Monitor Well			E&A Project #	01-7087
Site Address	6260 Highway 16A, St. Augustine, FL.					Total Depth (ft)	12
Drilling Method	Hollow Stem Auger	Boring Depth (ft)	12			Boring Diam. (in)	10.5
Casing/Scrn. Mat	Sch -40 PVC	Csg/Scrn Diam (in)	2			Csg Length(ft)	12
Grout Type	Portland	Grout Interval (ft)	0	to	6"	Scrn Length (ft)	10
Csg Seal Type	Bentonite	Seal Interval (ft)	6"	to	1.5'	Scrn Slot Size (in)	0.010
Sand Pack Type	20/30	Sand Interval (ft)	1.5'	to	12'	Static Water Level	3
Rmrks		TOC Elevation (ft)	4.76			Sample Method	NA

Depth (ft.)	Sample ID	Sample Depth (ft)	Blows/ 6"	OVA (ppm) unf/fil	Geologic Description
0				0	
				0	0-3' SAND; Fine Grained; Light Brown.
				0	
				1	3'-5' SAND; Fine Grained; Tan
5					
					5'-7' SAND; Clayey, orange
10					7'-12' SAND; Fine Grained; Light gray-brown
					END OF BORING
15					
20					
25					
30					

Typical Diagram



Not to Scale

Notes:

Geologist: Eric Fuller

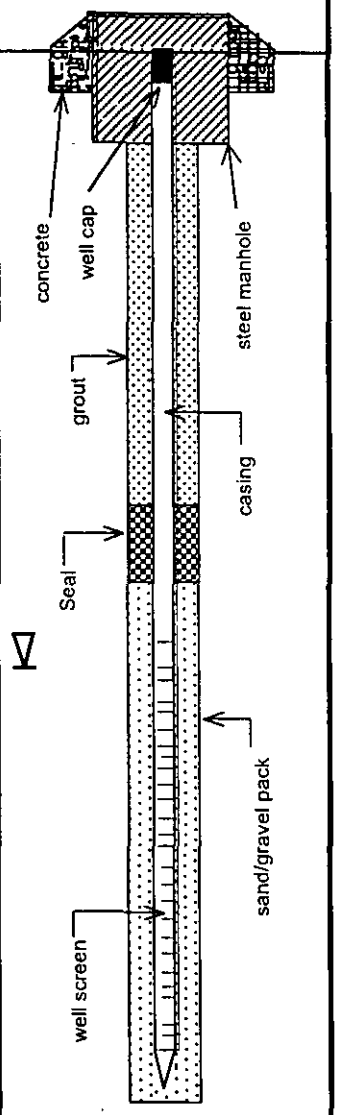
Driller: Ellis & Associates

WELL LOG: MW-3

Permit #	01-0672	Drill Date	07/16/01			Site	Wolfe Ranch #1
Client	First Union	Use	Monitor Well			E&A Project #	01-7087
Site Address	6260 Highway 16A, St. Augustine, FL.					Total Depth (ft)	12
Drilling Method	Hollow Stem Auger	Boring Depth (ft)	12			Boring Diam. (in)	10.5
Casing/Scrn. Mat	Sch -40 PVC	Csg/Scrn Diam (in)	2			Csg Length(ft)	12
Grout Type	Portland	Grout Interval (ft)	0	to	6"	Scrn Length (ft)	10
Csg Seal Type	Bentonite	Seal Interval (ft)	6"	to	1.5'	Scrn Slot Size (in)	0.010
Sand Pack Type	20/30	Sand Interval (ft)	1.5'	to	12'	Static Water Level	3
Rmrks		TOC Elevation (ft)	4.76			Sample Method	NA

Depth (ft.)	Sample ID	Sample Depth (ft)	Blows/ 6"	OVA (ppm) unf/fil	Geologic Description
0				0	
				0	0-2' SAND; Fine Grained; Dark Gray-Brown.
				0	
				20	2'-3.5' SAND; Fine Grained; Gray-Brown
5					
					3.5'-12' SAND; Fine Grained; Yellow-Brown
10					
					END OF BORING
15					
20					
25					
30					

Typical Diagram



Not to Scale

Notes:

Geologist: Eric Fuller

Driller: Ellis & Associates

APPENDIX C

Groundwater Sampling Logs

PETROLEUM OR PETROLEUM PRODUCT
WATER SAMPLING LOG

FDEP FACILITY NO.: N/A	WELL NO.:	SAMPLE ID: MW-1	DATE: 7/20/01
SITE NAME: WOLF RANCH	SITE LOCATION: Site #2		

PURGE DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 12.00	DEPTH TO WATER (ft): 2.80	WELL CAPACITY (gal/ft): .16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY =

= (12.00 - 2.80 = 9.2 X .16 = 1.4) x 5 vols = 7.3

PURGE METHOD: Peristaltic Pump

PURGING INITIATED AT: 1347 | PURGING ENDED AT: 1405

PURGE RATE (gpm): 1.50 | TOTAL VOLUME PURGED (gal): 7.5

WELL VOLUMES PURGED	CUMULATIVE VOLUME PURGED (gal)	pH	TEMPERATURE (°C)	CONDUCTIVITY (µmhos)	COLOR	ODOR	APPEARANCE	OTHER
5	7.5	N/A	N/A	N/A	N/A	none	clear	Turbidity N/A

SAMPLING DATA

SAMPLED BY / AFFILIATION: J. Thompson / Ellis + Assoc	SAMPLER(S) SIGNATURE(S): [signature]	
SAMPLING METHOD(S): Teflon Bailer	SAMPLING INITIATED AT: 1405	SAMPLING ENDED AT: 1424

FIELD-FILTERED: Y (N) | DUPLICATE: Y (N) | FIELD DECONTAMINATION: Y (N)

SAMPLE CONTAINER SPECIFICATIONS NO.	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
3	CG	40ml	HCl	—		8021 w/ Btex + mtBE
1	CG	40ml	HCl	—		EDB 8011
1	AG	1 liter	—	—		8100 PAH
1	AG	1 liter	H_2SO_4	—		FL-PRO
1	HDP	500ml	HNO_3	—		Pb

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

PETROLEUM OR PETROLEUM PRODUCT WATER SAMPLING LOG

FDEP FACILITY NO.: N/A	WELL NO.:	SAMPLE ID: MW 2	DATE: 7/20/01
SITE NAME: WOLF RANCH	SITE LOCATION: Site # 2		

PURGE DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 12.00	DEPTH TO WATER (ft): 2.63	WELL CAPACITY (gal/ft): .16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY =

= (12.00 - 2.63 = 9.37 X .16 = 1.4) x 5 vols = 7.4

PURGE METHOD: Peristaltic Pump

PURGING INITIATED AT: 1303 | PURGING ENDED AT: 1320

PURGE RATE (gpm): .50 | TOTAL VOLUME PURGED (gal): 7.5

WELL VOLUMES PURGED	CUMULATIVE VOLUME PURGED (gal)	pH	TEMPERATURE (°C)	CONDUCTIVITY (µmhos)	COLOR	ODOR	APPEARANCE	OTHER
5	7.5	N/A	N/A	N/A	N/A	NONE	clear	Turbidity N/A

SAMPLING DATA

SAMPLED BY / AFFILIATION: B Thompson / Ellis + Assoc

SAMPLER(S) SIGNATURE(S): B Thom

SAMPLING METHOD(S): Teflon Bailer

SAMPLING INITIATED AT: 1320 | SAMPLING ENDED AT: 1335

FIELD-FILTERED: Y (N) | DUPLICATE: Y (N) | FIELD DECONTAMINATION: Y (N)

SAMPLE CONTAINER SPECIFICATIONS NO.	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
3	CG	40mL	HCl	—		8021 w/ Btex + MTBE
1	CG	40mL	HCl	—		EDB 8011
1	AG	liter	—	—		8100 TAH
1	AG	liter	H_2SO_4	—		FL PRO
1	HDP	500mL	HNO_3	—		PB

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

PETROLEUM OR PETROLEUM PRODUCT
WATER SAMPLING LOG

FDEP FACILITY NO.: N/A	WELL NO.:	SAMPLE ID: MW 3	DATE: 7/20/01
SITE NAME: Wolf Ranch		SITE LOCATION: Site #1	

PURGE DATA

WELL DIAMETER (in): 2"	TOTAL WELL DEPTH (ft): 12.00	DEPTH TO WATER (ft): 2.71	WELL CAPACITY (gal/ft): .16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY =

= (12.00 - 2.71 = 9.29 X .16 = 1.4) x 5 vols = 7.4

WELL VOLUMES PURGED	CUMULATIVE VOLUME PURGED (gal)	pH	TEMPERATURE (°C)	CONDUCTIVITY (µmhos)	COLOR	ODOR	APPEARANCE	OTHER
5	7.5	N/A	N/A	N/A	N/A	NONE	CLEAR	Turbidity N/A

PURGE METHOD: Peristaltic Pump

PURGING INITIATED AT: 1225 | PURGING ENDED AT: 1240

PURGE RATE (gpm): .50 | TOTAL VOLUME PURGED (gal): 7.5

SAMPLING DATA

SAMPLED BY / AFFILIATION: B Thompson Ellis & Assoc

SAMPLER(S) SIGNATURE(S):

SAMPLING METHOD(S): ICE Bailer

SAMPLING INITIATED AT: 1240 | SAMPLING ENDED AT: 1253

FIELD-FILTERED: Y (N) | DUPLICATE: Y (N) | FIELD DECONTAMINATION: Y (N)

SAMPLE CONTAINER SPECIFICATIONS NO.	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
3	CG	40ml	HCl	—	—	8021 w BTEX+MTBE
1	CG	40ml	HCl	—	—	EDB 8011
1	AG	1 liter	—	—	—	8100 PAH
1	AG	1 liter	H_2SO_4	—	—	FL PRO
1	HDP	500ml	HNO_3	—	—	TB

REMARKS:

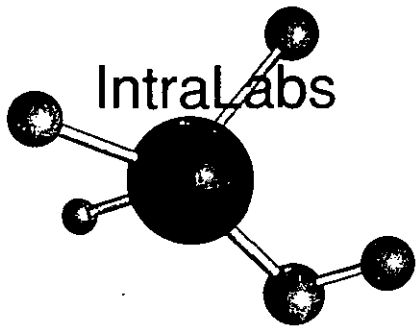
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

APPENDIX D

Laboratory Analytical Results



Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/23/2001
Log #: L54499-1

Sample Description:

Wolf #1

Analytical Report: SS-1
Date Sampled: 07/12/2001
Time Sampled: 14:10
Date Received: 07/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	84	%	SM2540B	0.10	07/14	07/14	KB
Volatile Aromatics/Halocarbons							
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.039	07/14	07/20	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0031	07/14	07/20	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
Cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
Trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.0079	07/14	07/20	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.00079	07/14	07/20	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/23/2001
Log #: L54499-1

Sample Description:

Wolf #1

Analytical Report: SS-1
Date Sampled: 07/12/2001
Time Sampled: 14:10
Date Received: 07/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Aromatics/Halocarbons (continued)							
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0016	07/14	07/20	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.039	07/14	07/20	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0039	07/14	07/20	BL
Dilution Factor	0.66		5035/8260		07/14	07/20	BL
Surrogate Recoveries:							
Dibromofluoromethane	129	%	5035/8260	52-155	07/14	07/20	BL
Toluene-D8	120	%	5035/8260	46-154	07/14	07/20	BL
4-Bromofluorobenzene	94.0	%	5035/8260	36-138	07/14	07/20	BL
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
2-Methylnaphthalene	BDL	mg/kg (dw)	3550/8270	0.24	07/17	07/18	GM
1-Methylnaphthalene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Acenaphthylene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Acenaphthene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Fluorene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Phenanthrene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Anthracene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Fluoranthene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Pyrene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Benzo(a)anthracene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Chrysene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Benzo(b)fluoranthene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Benzo(k)fluoranthene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Benzo(a)pyrene	BDL	mg/kg (dw)	3550/8270	0.071	07/17	07/18	GM
Indeno(1,2,3-c,d)pyrene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Dibenzo(a,h)Anthracene	BDL	mg/kg (dw)	3550/8270	0.071	07/17	07/18	GM
Benzo(g,h,i)perylene	BDL	mg/kg (dw)	3550/8270	0.12	07/17	07/18	GM
Dilution Factor	1.0		3550/8270		07/17	07/18	GM
Surrogate Recoveries:							
Nitrobenzene-d5	60.0	%	3550/8270	15-121	07/17	07/18	GM
2-Fluorobiphenyl	80.0	%	3550/8270	42-111	07/17	07/18	GM
Terphenyl-d14	77.0	%	3550/8270	37-143	07/17	07/18	GM
Florida Petroleum Range Organics							

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Page: Page 3 of 3
Date: 07/23/2001
Log #: L54499-1

Sample Description:

Wolf #1

Analytical Report: SS-1
Date Sampled: 07/12/2001
Time Sampled: 14:10
Date Received: 07/14/2001
Collected By: Client

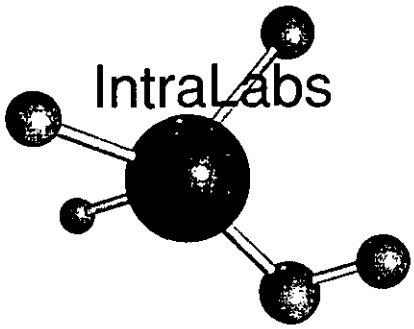
Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Florida Petroleum Range Organics (continued)							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	6.0	07/18	07/19	AW
Dilution Factor	1.0		FLPRO		07/18	07/19	AW
Surrogate Recoveries:							
o-Terphenyl	92.0	%	FLPRO	62-109	07/18	07/19	AW
Tritriacontane	67.0	%	FLPRO	60-118	07/18	07/19	AW

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL
Tests performed by US Biosystems, Inc.

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Thomas A. Carr
Principal



Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Page: Page 1 of 3
Date: 07/25/2001
Log #: L54582-1

Sample Description:

Wolf Ranch #1

Analytical Report: SS-2
Date Sampled: 07/16/2001
Time Sampled: 10:40
Date Received: 07/18/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	70	%	SM2540B	0.10	07/18	07/18	KB
Volatile Aromatics/Halocarbons							
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.079	07/19	07/23	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0063	07/19	07/23	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
Cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
Trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.016	07/19	07/23	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0016	07/19	07/23	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/25/2001
Log #: L54582-1

Sample Description:

Wolf Ranch #1

Analytical Report: SS-2
Date Sampled: 07/16/2001
Time Sampled: 10:40
Date Received: 07/18/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Aromatics/Halocarbons (continued)							
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0031	07/19	07/23	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.079	07/19	07/23	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0079	07/19	07/23	BL
Dilution Factor	1.1		5035/8260		07/19	07/23	BL
Surrogate Recoveries:							
Dibromofluoromethane	112	%	5035/8260	52-155	07/19	07/23	BL
Toluene-D8	79.0	%	5035/8260	46-154	07/19	07/23	BL
4-Bromofluorobenzene	53.0	%	5035/8260	36-138	07/19	07/23	BL
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
2-Methylnaphthalene	BDL	mg/kg (dw)	3550/8270	0.29	07/19	07/20	GG
1-Methylnaphthalene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Acenaphthylene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Acenaphthene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Fluorene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Phenanthrene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Anthracene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Fluoranthene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Pyrene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Benzo(a)anthracene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Chrysene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Benzo(b)fluoranthene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Benzo(k)fluoranthene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Benzo(a)pyrene	BDL	mg/kg (dw)	3550/8270	0.086	07/19	07/20	GG
Indeno(1,2,3-c,d)pyrene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Dibenzo(a,h)Anthracene	BDL	mg/kg (dw)	3550/8270	0.086	07/19	07/20	GG
Benzo(g,h,i)perylene	BDL	mg/kg (dw)	3550/8270	0.14	07/19	07/20	GG
Dilution Factor	1.0		3550/8270		07/19	07/20	GG
Surrogate Recoveries:							
Nitrobenzene-d5	80.0	%	3550/8270	15-121	07/19	07/20	GG
2-Fluorobiphenyl	95.0	%	3550/8270	42-111	07/19	07/20	GG
Terphenyl-d14	120	%	3550/8270	37-143	07/19	07/20	GG
Florida Petroleum Range Organics							

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/25/2001
Log #: L54582-1

Sample Description:

Wolf Ranch #1

Analytical Report: SS-2
Date Sampled: 07/16/2001
Time Sampled: 10:40
Date Received: 07/18/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Florida Petroleum Range Organics (continued)							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	7.1	07/19	07/21	AW
Dilution Factor	1.0		FLPRO		07/19	07/21	AW
Surrogate Recoveries:							
o-Terphenyl	92.0	%	FLPRO	62-109	07/19	07/21	AW
Tritriacontane	91.0	%	FLPRO	60-118	07/19	07/21	AW

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL
Tests performed by US Biosystems, Inc.

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Thomas A. Carr
Principal

IntraLabs, Inc.

Chain of Custody Record

54499

SHORT-HOLD

Company Name: Ellis and Associates

Address: 7064 Davis Creek Road

City / State / Zip: Jacksonville, Fl. 32256

Project Name: Wolf # 1

Project Manager: Eric Fuller

LAB ANALYSIS

#	Sample Label	Date Collected	Time Collected	Matr	# of Cont.	PARAMETER	8021	8100	Fl-PRO	CUSTODY SEALS ON / pH CONTROL	COMMENTS/NOTES
01	SS-1	7-12-01	1410	S	2		✓	✓	✓	SOIL	*Split off for VOC
		@SD3									
										DOC OK	
										VB	
											Fl. to VOC

IntraLabs, Inc.
Address: 1909 Southampton Road
Jacksonville, FL 32207
Phone: (904) 396-6868
Fax: (904) 396-3933

Matrix Codes:
GW Groundwater
S Soil
WW Wastewater
O Oil
Sl Sludge
SW Surface Water

Turnaround Time Request
✓ Standard
Rush
Date Required

Samples Recd. on ice? Yes / No

Relinquished by:	Date/Time	Received by:	Date/Time
E. Fuller	7/13/01 1435	J Parson	7-13-01 14:35
J Parson CO	7-13-0117:20	CO	7-13-0117:20
		Krysta B	7/14/01 1320

Page 1 of 1

IntraLabs, Inc. 54582 Chain of Custody Record SHORT-HOLD

Company Name: Ellis and Associates Inc.
Address: 7064 Davis Creek Road
City / State / Zip: Jacksonville, Fl. 32256
Project Name: Wolf Ranch # 1
Project Manager: Eric Fuller

LAB ANALYSIS

PARAMETER: 8021 | 8100 | FL-PRO

CUSTODY SEALS (Y) N
pH CONTROL
50EC
P___ V___

#	Sample Label	Date Collected	Time Collected	Matr	# of Cont.						
01	SS-2	7-16-01	1040	S	4		✓	✓	✓	P V	3.5' 6.1.s. ①8260 ②503 *Split off for VOC
										P V	
										P V	
										P V	
										P V	
										P V	
										P V	
										COC OK Y N	
										MB	Del. to VOC

IntraLabs, Inc.
Address: 1909 Southampton Road
Jacksonville, FL 32207
Phone: (904) 396-6868
Fax: (904) 396-3933

Matrix Codes:
GW Groundwater
S Soil
WW Wastewater
O Oil
SI Sludge
SW Surface Water

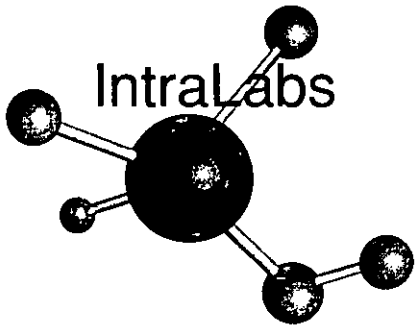
COMMENTS/NOTES

Turnaround Time Request
✓ Standard
___ Rush
Date Required_____

Samples Recd. on Ice? Yes ✓ No

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	7-17-01 13:00	[signature]	7-17-01 13:00
[signature]	7-17-01 17:00	CO	7-17-01 17:00
CO		[signature]	7/18/01 1305

Page 1 of 1



Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-1

Sample Description:

Wolf Ranch #1

Analytical Report: MW-1
Date Sampled: 07/20/2001
Time Sampled: 14:24
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Metals							
Lead	BDL	mg/l	3010/6010	0.0050	07/23	07/25	SB
Purgeable Hydrocarbons							
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	07/25	07/25	SV
Bromoform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Bromomethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	50	07/25	07/25	SV
Chloroform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	07/25	07/25	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	07/25	07/25	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-1

Sample Description:

Wolf Ranch #1

Analytical Report: MW-1
Date Sampled: 07/20/2001
Time Sampled: 14:24
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Purgeable Hydrocarbons	**(continued)**						
Trichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Benzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Toluene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Total Xylenes	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
MTBE	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dilution Factor	1.0		5030/8260		07/25	07/25	SV
Surrogate Recoveries:							
Dibromofluoromethane	127	%	5030/8260	68-145	07/25	07/25	SV
Toluene-D8	107	%	5030/8260	62-133	07/25	07/25	SV
4-Bromofluorobenzene	111	%	5030/8260	56-135	07/25	07/25	SV
EDB/DBCP							
EDB	BDL	ug/l	504	0.020	07/25	07/25	AJ
DBCP	BDL	ug/l	504	0.020	07/25	07/25	AJ
Dilution Factor	1.0		504		07/25	07/25	AJ
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
2-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
1-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluorene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Phenanthrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Anthracene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluoranthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Pyrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(a)anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Chrysene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	0.50	07/27	07/27	GG
Benzo(a)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Dilution Factor	1.0		3510/8270		07/27	07/27	GG
Surrogate Recoveries:							

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-1

Sample Description:

Wolf Ranch #1

Analytical Report: MW-1
Date Sampled: 07/20/2001
Time Sampled: 14:24
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Polynuclear Aromatic Hydrocarbons	**(continued)**						
Nitrobenzene-d5	29.0	%	3510/8270	22-117	07/27	07/27	GG
2-Fluorobiphenyl	43.0	%	3510/8270	34-150	07/27	07/27	GG
Terphenyl-d14	37.0	%	3510/8270	58-160	07/27	07/27	GG
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	07/26	07/27	AW
Dilution Factor	1.0		FLPRO		07/26	07/27	AW
Surrogate Recoveries:							
o-Terphenyl	90.0	%	FLPRO	82-142	07/26	07/27	AW
Tritriacontane	52.0	%	FLPRO	42-193	07/26	07/27	AW

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL
Tests performed by US Biosystems, Inc.

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Thomas A. Carr
Principal

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Page: Page 1 of 3
Date: 07/30/2001
Log #: L54752-2

Sample Description:

Wolf Ranch #1

Analytical Report: MW-2
Date Sampled: 07/20/2001
Time Sampled: 13:35
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Metals							
Lead	BDL	mg/l	3010/6010	0.0050	07/23	07/25	SB
Purgeable Hydrocarbons							
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	07/25	07/25	SV
Bromoform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Bromomethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	50	07/25	07/25	SV
Chloroform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	07/25	07/25	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	07/25	07/25	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-2

Sample Description:

Wolf Ranch #1

Analytical Report: MW-2
Date Sampled: 07/20/2001
Time Sampled: 13:35
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Purgeable Hydrocarbons	(continued)						
Trichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Benzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Toluene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Total Xylenes	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
MTBE	3.0	ug/l	5030/8260	1.0	07/25	07/25	SV
Dilution Factor	1.0		5030/8260		07/25	07/25	SV
Surrogate Recoveries:							
Dibromofluoromethane	126	%	5030/8260	68-145	07/25	07/25	SV
Toluene-D8	108	%	5030/8260	62-133	07/25	07/25	SV
4-Bromofluorobenzene	108	%	5030/8260	56-135	07/25	07/25	SV
EDB/DBCP							
EDB	BDL	ug/l	504	0.020	07/25	07/25	AJ
DBCP	BDL	ug/l	504	0.020	07/25	07/25	AJ
Dilution Factor	1.0		504		07/25	07/25	AJ
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
2-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
1-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluorene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Phenanthrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Anthracene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluoranthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Pyrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(a)anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Chrysene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	0.50	07/27	07/27	GG
Benzo(a)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Dilution Factor	1.0		3510/8270		07/27	07/27	GG
Surrogate Recoveries:							

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-2

Sample Description:

Wolf Ranch #1

Analytical Report: MW-2
Date Sampled: 07/20/2001
Time Sampled: 13:35
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Polynuclear Aromatic Hydrocarbons (continued)							
Nitrobenzene-d5	86.0	%	3510/8270	22-117	07/27	07/27	GG
2-Fluorobiphenyl	87.0	%	3510/8270	34-150	07/27	07/27	GG
Terphenyl-d14	73.0	%	3510/8270	58-160	07/27	07/27	GG
Florida Petroleum Range Organics							
TPH(C8-C40)	0.66	mg/l	FLPRO	0.65	07/26	07/27	AW
Dilution Factor	1.0		FLPRO		07/26	07/27	AW
Surrogate Recoveries:							
o-Terphenyl	91.0	%	FLPRO	82-142	07/26	07/27	AW
Tritriacontane	56.0	%	FLPRO	42-193	07/26	07/27	AW

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL
Tests performed by US Biosystems, Inc.

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Thomas A. Carr
Principal

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Page: Page 1 of 3
Date: 07/30/2001
Log #: L54752-3

Sample Description:

Wolf Ranch #1

Analytical Report: MW-3
Date Sampled: 07/20/2001
Time Sampled: 12:53
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Metals							
Lead	BDL	mg/l	3010/6010	0.0050	07/23	07/25	SB
Purgeable Hydrocarbons							
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	07/25	07/25	SV
Bromoform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Bromomethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	50	07/25	07/25	SV
Chloroform	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	07/25	07/25	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	07/25	07/25	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	0.20	07/25	07/25	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-3

Sample Description:

Wolf Ranch #1

Analytical Report: MW-3
Date Sampled: 07/20/2001
Time Sampled: 12:53
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Purgeable Hydrocarbons	(continued)						
Trichloroethene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Benzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Toluene	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Total Xylenes	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
MTBE	BDL	ug/l	5030/8260	1.0	07/25	07/25	SV
Dilution Factor	1.0		5030/8260		07/25	07/25	SV
Surrogate Recoveries:							
Dibromofluoromethane	121	%	5030/8260	68-145	07/25	07/25	SV
Toluene-D8	101	%	5030/8260	62-133	07/25	07/25	SV
4-Bromofluorobenzene	102	%	5030/8260	56-135	07/25	07/25	SV
EDB/DBCP							
EDB	BDL	ug/l	504	0.020	07/25	07/25	AJ
DBCP	BDL	ug/l	504	0.020	07/25	07/25	AJ
Dilution Factor	1.0		504		07/25	07/25	AJ
Polynuclear Aromatic Hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
2-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
1-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Acenaphthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluorene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Phenanthrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Anthracene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Fluoranthene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Pyrene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(a)anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Chrysene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	0.50	07/27	07/27	GG
Benzo(a)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	0.20	07/27	07/27	GG
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	1.0	07/27	07/27	GG
Dilution Factor	1.0		3510/8270		07/27	07/27	GG
Surrogate Recoveries:							

Client #: JAX-01-000043
Address: Ellis & Associates
7064 Davis Creek Rd.
Jacksonville, FL 32256
Attn: Eric B. Fuller

Date: 07/30/2001
Log #: L54752-3

Sample Description:

Wolf Ranch #1

Analytical Report: MW-3
Date Sampled: 07/20/2001
Time Sampled: 12:53
Date Received: 07/21/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Polynuclear Aromatic Hydrocarbons (continued)							
Nitrobenzene-d5	69.0	%	3510/8270	22-117	07/27	07/27	GG
2-Fluorobiphenyl	67.0	%	3510/8270	34-150	07/27	07/27	GG
Terphenyl-d14	62.0	%	3510/8270	58-160	07/27	07/27	GG
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	07/26	07/27	AW
Dilution Factor	1.0		FLPRO		07/26	07/27	AW
Surrogate Recoveries:							
o-Terphenyl	89.0	%	FLPRO	82-142	07/26	07/27	AW
Tritriacontane	58.0	%	FLPRO	42-193	07/26	07/27	AW

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL
Tests performed by US Biosystems, Inc.

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Thomas A. Carr
Principal

IntraLabs, Inc.

54752

Chain of Custody Record

198 P

Company Name: Ellis and Associates, Inc.

Address: 7064 Davis Creek Road

City / State / Zip: Jacksonville, fl. 32256

Project Name: Wolf Ranch #1

Project Manager: Eric Fuller

#	Sample Label	Date Collected	Time Collected	Matr	# of Cont.
01	MW-1	7-20-01	1424	GW	7
02	MW-2	7-20-01	1335	GW	7
03	MW-3	7-20-01	1253	GW	7

LAB ANALYSIS

PARAMETER

KAG

1 PRO

O&G, Color

PAH

VOL

EDB

Metals

O

1 HB

O

IntraLabs, Inc.
Address: 1909 Southampton Road
Jacksonville, FL 32207
Phone: (904) 396-6868
Fax: (904) 396-3933

Matrix Codes:
GW Groundwater
S Soil
WW Wastewater
O Oil
Sl Sludge
SW Surface Water

COMMENTS/NOTES

Turnaround Time Request
✓ Standard
___ Rush
Date Required ___

Samples Recd. on ice? Yes ✓ No

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	7/20/01 1525	J. Carr	7/20/01 1525
J Carr	7/20/01 17W	FEDEX	7/20/01 17W
FEDEX		[signature]	7/21/01 1217

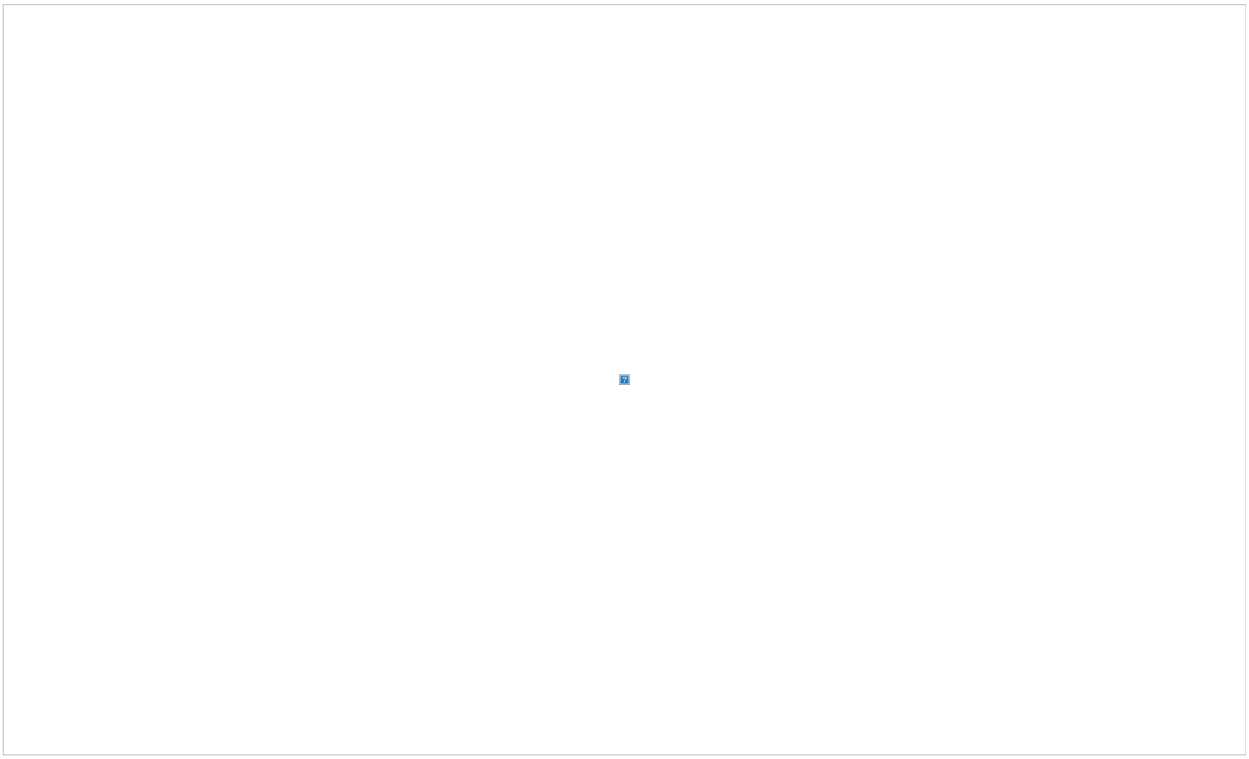
Page 1 of 1

Jul 20 01 02:11p

From: Mike Turner
To: Benton, Mackenzie
Cc: "Roxanne.M.Smith@FloridaDEP.gov"
Subject: Silvex site, 6550 SR 16, St. Augustine, FL 32092, 55993078
Date: Monday, June 19, 2023 11:10:04 AM
Attachments: image004.png
image005.png
image006.jpg
image007.png
image008.jpg
image001.png
District WWC Reviewer Assignments as of 3_23_23.xlsx

Hello Mackenzie,

If you click on DEP's Map Direct link, https://ca.dep.state.fl.us/mapdirect/?focus=grndwtr_dl, and enter the address, 6550 SR 16, St. Augustine, FL 32092, in the search field in upper right corner of web page, this will bring up the Chapter 62-524 Groundwater Delineated Area known as the Silvex site. If you select the Florida State Funded Cleanup Sites symbol within this delineated area, there will be a link on the right side of the web page that will allow you to view documents associated with this site, as shown below.



The St. Johns River Water Management District (District) requires water well (WWC) permits for the following wells in a 62-524 delineated area and a copy of our WWC staff assigned areas is attached for your for your reference. For potable wells, the District will notify the DOH when a new well has been completed so potable well clearance sampling can begin. I hope this information helps. Thanks

The owner shall apply to the District for a water well permit for the following types of wells:

- All wells located in a Chapter 62-524 **Delineated Area** (Counties that have delineated areas include Alachua, Brevard, Duval, Indian River, Lake, Marion, Orange, Putnam, Seminole, St. Johns, and Volusia.)
- All wells having an outside diameter of six inches or greater at land surface.
- All public supply wells, regardless of well diameter, in non-delegated counties (Alachua, Bradford, St. Johns, and Seminole) and in Duval County.
- All limited use supply wells (formally known as "other public" wells) in non-delegated counties.
- All gang wells (a system where two or more water wells are coupled together with a common header or manifold), the total nominal casing sizes of which equal six inches or more, for the purpose of procuring or obtaining water other than for dewatering.
- All open loop (separate supply and return well) geothermal wells having an outside diameter of six inches or greater at land surface and all closed-loop (series of two or more vertically installed loops joined together, with the recirculation of the same thermal transfer fluid) geothermal wells.

The exception to the above list is for wells in Marion County. The Marion County Health Department permits all wells except those in the Chapter 62-524 Delineated Areas and closed-loop geothermal wells, which still require a District permit.

If a property has a consumptive use permit (CUP) from the District and an additional well needs to be added, or a failed well needs to be replaced, the CUP must be modified prior to issuance of the well permit by the District or its delegated permitting authority.

The District has delegation agreements with the county health departments in Baker, Brevard, Clay, Duval (Duval agreement is with the local government), Flagler, Indian River County, Lake, Marion, Nassau, Orange, Putnam, Okeechobee, Osceola, and Volusia Counties for the permitting of all wells located in our District and not permitted by the District. The owner or well contractor should check with the county health department or local government if there are any questions about the permit fees for a well(s) that will be permitted by one of the District's delegated permitting authorities.

Michael Turner
Hydrologic Technician
Bureau of Water Use Regulation/ Jacksonville Service Center
St. Johns River Water Management District
Jacksonville Service Center
7775 Baymeadows Way, Suite 102 • Jacksonville, FL 32256
Office: (904) 448-7926 ● Cell: (904) 545-1301
Email: mturner@sjrwmd.com
Website: www.sjrwmd.com
Connect with us: Newsletter, Facebook, Twitter, Instagram, YouTube, Pinterest



From: Benton, Mackenzie <mbenton@braunintertec.com>
Sent: Friday, June 16, 2023 11:49 AM
To: Mike Turner <mturner@sjrwmd.com>
Subject: Fw: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

Good afternoon,

I know I don't have very much information to go on, but I was hoping to get some information relating to groundwater contamination in St. Augustine, FL. I have forwarded you all of the information I have for the site.

Please let me know if there is anything else I can do! I really appreciate y'all.
Mackenzie



Mackenzie Benton

Staff Scientist
2700 Cumberland Parkway SE #300 | Atlanta, GA 30339
478.542.4769 mobile
mbenton@braunintertec.com

braunintertec.com/Twitter/ Facebook

From: Smith, Roxanne M. <Roxanne.M.Smith@FloridaDEP.gov>
Sent: Friday, June 16, 2023 8:52 AM
To: Benton, Mackenzie <mbenton@braunintertec.com>

Subject: RE: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

You don't often get email from roxanne.m.smith@floridadep.gov. Learn why this is important

Morning Benton,

After confirming with staff, I did refer this to our Groundwater Program in Tallahassee, but I think the lead will be for the Water Management District in conjunction with the Department of Health. You will want to reach out to the contacts I've listed below.

Michael Turner
Hydrologic Technician
Bureau of Water Use Regulation/ Jacksonville Service Center
St. Johns River Water Management District
Jacksonville Service Center
7775 Baymeadows Way, Suite 102 • Jacksonville, FL 32256
Office: (904) 448-7926 ● Cell: (904) 545-1301
Email: mturner@sjrwmd.com
Website: www.sjrwmd.com
Connect with us: Newsletter, Facebook, Twitter, Instagram, YouTube, Pinterest

The DOH-Environmental Health contact:
Call: 904-506-6081 and ask for someone in the Potable Well Program.

Thanks,
Roxanne

FL-DEP-LOGO

Roxanne Smith
FDEP - Northeast District
Government Operations Consultant
Roxanne.M.Smith@FloridaDEP.gov
Office: 904-256-1602

From: Smith, Roxanne M.
Sent: Thursday, June 15, 2023 3:10 PM
To: Benton, Mackenzie <mbenton@brauninertec.com>
Subject: RE: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

Looks like it's a Water Management District site. Let me check with our staff and I'll get back to you.

Thanks,
Roxanne

FL-DEP-LOGO

Roxanne Smith
FDEP - Northeast District
Government Operations Consultant
Roxanne.M.Smith@FloridaDEP.gov
Office: 904-256-1602

From: Benton, Mackenzie <mbenton@brauninertec.com>
Sent: Thursday, June 15, 2023 3:02 PM
To: Smith, Roxanne M. <Roxanne.M.Smith@FloridaDEP.gov>
Subject: Re: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

EXTERNAL MESSAGE
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I wish I could all I have is this blurb and the map. It is the triangle labeled number 1.

Does any of that help?

Mackenzie Benton

Staff Scientist
2700 Cumberland Parkway SE #300 | Atlanta, GA 30339
478.542.4769 mobile
mbenton@brauninertec.com

brauninertec.com | Twitter | Facebook

From: Smith, Roxanne M. <Roxanne.M.Smith@FloridaDEP.gov>
Sent: Thursday, June 15, 2023 2:57 PM
To: Benton, Mackenzie <mbenton@brauninertec.com>
Cc: PublicRecordsRequests Regulatory <PublicRecordsRequests_Regulatory@dep.state.fl.us>; SalesForce CRM <PublicServices@dep.state.fl.us>; Stephens, Susan <Susan.Stephens@dep.state.fl.us>
Subject: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

You don't often get email from roxanne.m.smith@floridadep.gov. Learn why this is important

Afternoon Mackenzie,

Can you provide me additional information for your request, such as an address, facility name, etc? Zone ID 55993078 doesn't provide me anything to go on.

Thanks,
Roxanne

FL-DEP-LOGO

Roxanne Smith
FDEP - Northeast District
Government Operations Consultant
Roxanne.M.Smith@FloridaDEP.gov
Office: 904-256-1602

Contact Phone:
(478) 542-4769

Organization:
Braun Intertec

Case Subject:
Saint Augustine, Ground Water Contamination

Case Description:
Good morning,

I would like to request all information relating to groundwater contamination at Zone ID 55993078. I have attached a screenshot of all of the information I have about the contamination.

Thank you so much!
Best,
Mackenzie





We value your opinion. Please take a few minutes to share your comments on the service you received from the District by clicking this link

Notices
• Emails to and from the St. Johns River Water Management District are archived and, unless exempt or confidential by law, are subject to being made available to the public upon request. Users should not have an expectation of confidentiality or privacy.
• Individuals lobbying the District must be registered as lobbyists (§112.3261, Florida Statutes). Details, applicability and the registration form are available at http://www.sjrwmd.com/lobbyist/

From: St. Augustine City Clerk
To: Benton, Mackenzie
Subject: RE: Open Records Request - St. Augustine
Date: Monday, June 12, 2023 8:36:18 AM
Attachments: image001.png
image003.png
image004.png
image005.png

> You don't often get email from cityclerk@citystaug.com. Learn why this is important

Hello,

This property is not located within the jurisdiction of the City of St. Augustine. Please contact St. Johns County for the information you are requesting.

Darlene Galambos
City Clerk
City of St. Augustine | City Clerk
P.O. Box 210 | St. Augustine, FL 32085
Office: 904.825.1007
Email: dgalambos@citystaug.com
Web: www.CityStAug.com

Please Note: Florida has a very broad Public Records Law. Unless specifically exempt by state law, written communications to city officials or staff regarding official city business are public records available to the public and media upon request. If your email communication is related to official government business, it may therefore be subject to public disclosure.

From: Benton, Mackenzie <mbenton@braunintertec.com>
Sent: Friday, June 9, 2023 11:56 AM
To: St. Augustine City Clerk <cityclerk@citystaug.com>
Subject: Open Records Request - St. Augustine

Hello,

Does the City of St. Augustine have any records regarding underground or aboveground storage tanks, storage/reporting of hazardous material and petroleum products, emergency response to spills of hazardous materials or petroleum products, records of any sumps, pits, oil/water separators,

city environmental permits, and any city environmental inspections, violations, or complaints, or MSDs at 6351 County Road 16-A in St. Augustine, FL?

Thank you,
Mackenzie

Mackenzie Benton

Staff Scientist
2700 Cumberland Parkway SE #300 | Atlanta, GA 30339
478.542.4769 mobile
mbenton@braunintertec.com

braunintertec.com |Twitter | Facebook

From: Jan Brewer
To: Benton, Mackenzie
Subject: RE: Open Records Request - St. Augustine, FL
Date: Thursday, June 15, 2023 12:52:21 PM
Attachments: image002.png
image004.png

This is located in the area of the Silvex cleanup site. Please contact the Florida Department of Environmental Protection Waste Cleanup division for any information. You may access the DEP's OCULUS system Login (state.fl.us) and enter the facility identification number ERIC_3825.

Thank you -

Jan Brewer
Environmental Division Manager
Environmental Division/Growth Management Department
St. Johns County Board of County Commissioners
4040 Lewis Speedway, St. Augustine FL 32084
904-209-0617 | www.sjcfl.us

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from the St. Johns County Board of County Commissioners and employees regarding public business are public records available to the public and media through a request. Your e-mail communications may be subject to public disclosure.

From: Benton, Mackenzie <mbenton@braunintertec.com>
Sent: Thursday, June 15, 2023 10:58 AM
To: Jan Brewer <jbrewer@sjcfl.us>
Subject: Open Records Request - St. Augustine, FL

Hello,

Does the Environmental Division have any records regarding underground or aboveground storage tanks, storage/reporting of hazardous material and petroleum products, emergency response to spills of hazardous materials or petroleum products, records of any sumps, pits, oil/water separators, city environmental permits, and any city environmental inspections, violations, or complaints, or MSDs at 6351 County Road 16-A in St. Augustine, FL?

Thank you,

Mackenzie

Mackenzie Benton

Staff Scientist
2700 Cumberland Parkway SE #300 | Atlanta, GA 30339
478.542.4769 mobile
mbenton@braunintertec.com

braunintertec.com |Twitter | Facebook

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Benton, Mackenzie

From: Smith, Roxanne M. <Roxanne.M.Smith@FloridaDEP.gov>
Sent: Friday, June 16, 2023 8:52 AM
To: Benton, Mackenzie
Subject: RE: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

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Michael Turner
Hydrologic Technician
Bureau of Water Use Regulation/ Jacksonville Service Center
St. Johns River Water Management District
Jacksonville Service Center
7775 Baymeadows Way, Suite 102 • Jacksonville, FL 32256
Office: (904) 448-7926 ● Cell: (904) 545-1301
Email: mturner@sjrwmd.com
Website: www.sjrwmd.com
Connect with us: Newsletter, Facebook, Twitter, Instagram, YouTube, Pinterest

The DOH-Environmental Health contact:
Call: 904-506-6081 and ask for someone in the Potable Well Program.

Thanks,
Roxanne

Roxanne Smith
FDEP - Northeast District
Government Operations Consultant
Roxanne.M.Smith@FloridaDEP.gov
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To: Benton, Mackenzie <mbenton@braunintertec.com>
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Roxanne

Roxanne Smith
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Roxanne.M.Smith@FloridaDEP.gov
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Sent: Thursday, June 15, 2023 3:02 PM
To: Smith, Roxanne M. <Roxanne.M.Smith@FloridaDEP.gov>
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From: Smith, Roxanne M.
<Roxanne.M.Smith@FloridaDEP.gov>
Sent: Thursday, June 15, 2023 2:57 PM
To: Benton, Mackenzie <mbenton@braunintertec.com>
Cc: PublicRecordsRequests Regulatory <PublicRecordsRequests_Regulatory@dep.state.fl.us>; SalesForce CRM <PublicServices@dep.state.fl.us>; Stephens, Susan <Susan.Stephens@dep.state.fl.us>
Subject: Saint Augustine, Ground Water Contamination #00154873 SF Reference: ref:_00DG0i115._5004w2iE534:ref

You don't often get email from roxanne.m.smith@floridadep.gov. Learn why this is important

Afternoon Mackenzie,

Can you provide me additional information for your request, such as an address, facility name, etc? Zone ID 55993078 doesn't provide me anything to go on.

Thanks,
Roxanne

Roxanne Smith
FDEP - Northeast District
Government Operations Consultant
Roxanne.M.Smith@FloridaDEP.gov
Office: 904-256-1602

Contact Phone:
(478) 542-4769

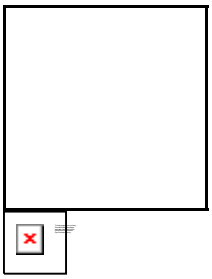
Organization:
Braun Intertec

Case Subject:
Saint Augustine, Ground Water Contamination

Case Description:
Good morning,

I would like to request all information relating to groundwater contamination at Zone ID 55993078. I have attached a screenshot of all of the information I have about the contamination.

Thank you so much!
Best,
Mackenzie



Appendix G

Fire Insurance Maps

BRAUN INTERTEC

FIRE INSURANCE MAPS

Project Property:	St. Augustine Affordable Housing Development 6351 County Road 16a St. Augustine FL 32092
Project No:	B2304843
Requested By:	Braun Intertec Corporation
Order No:	23060700318
Date Completed:	June 07, 2023

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
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1.866.517.5204 | info@erisinfo.com | erisinfo.com

Appendix H

Topographic Maps

TOPOGRAPHIC MAPS

Project Property:	St. Augustine Affordable Housing■Development 6351 County Road 16a St. Augustine FL 32092
Project No:	B2304843
Requested By:	Braun Intertec Corporation
Order No:	23060700318
Date Completed:	June 07, 2023

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We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2021	7.5
2015	7.5
1991	7.5
1970	7.5
1949	7.5
1949	15
1947	15

Topographic Map Symbology for the maps may be available in the following documents:

Pre-1947

Page 223 of 1918 Topographic Instructions

Page 130 of 1928 Topographic Instructions

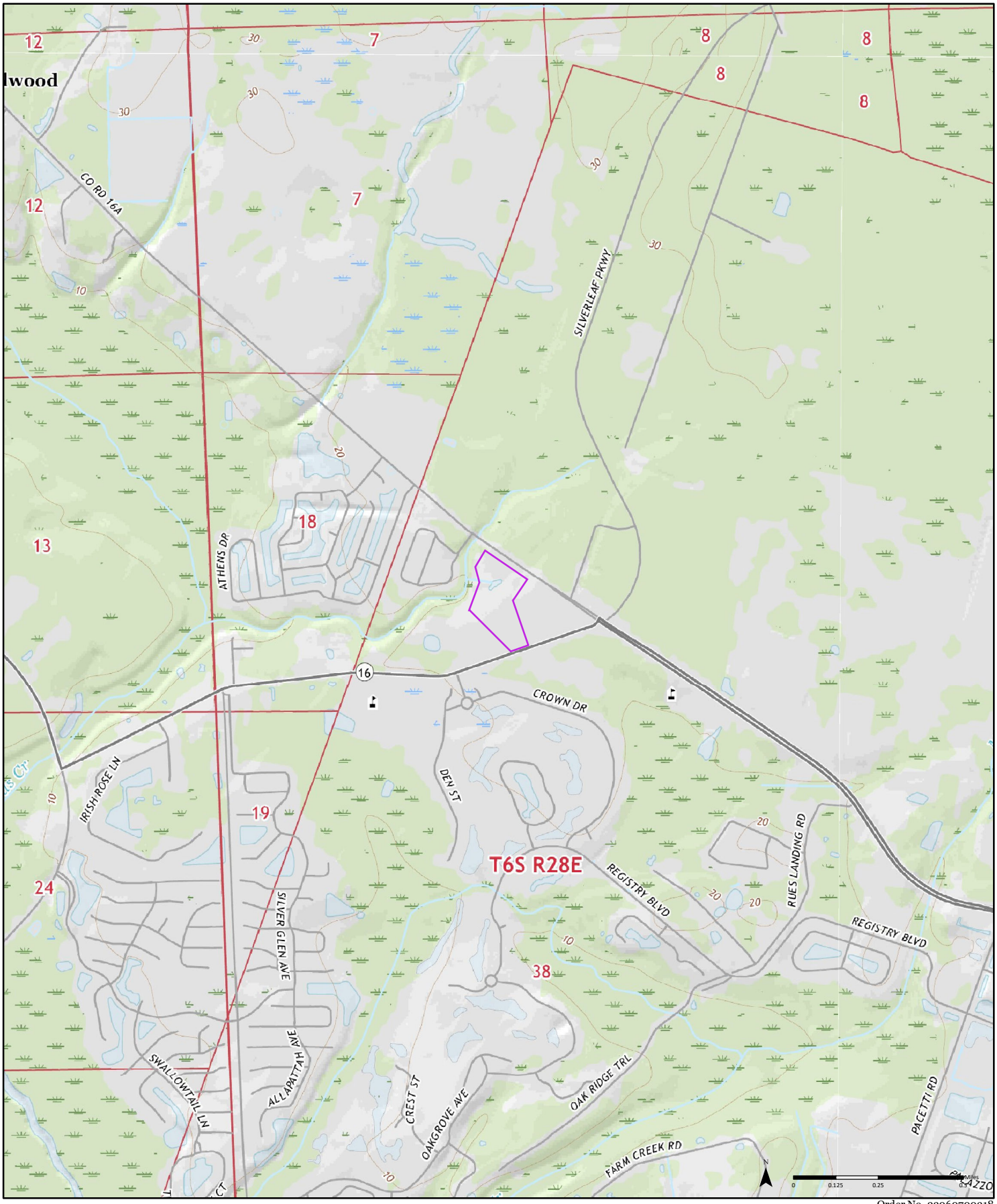
1947-2009

Topographic Map Symbols

2009-present

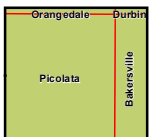
US Topo Map Symbols

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.
No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.



Order No. 23060700318

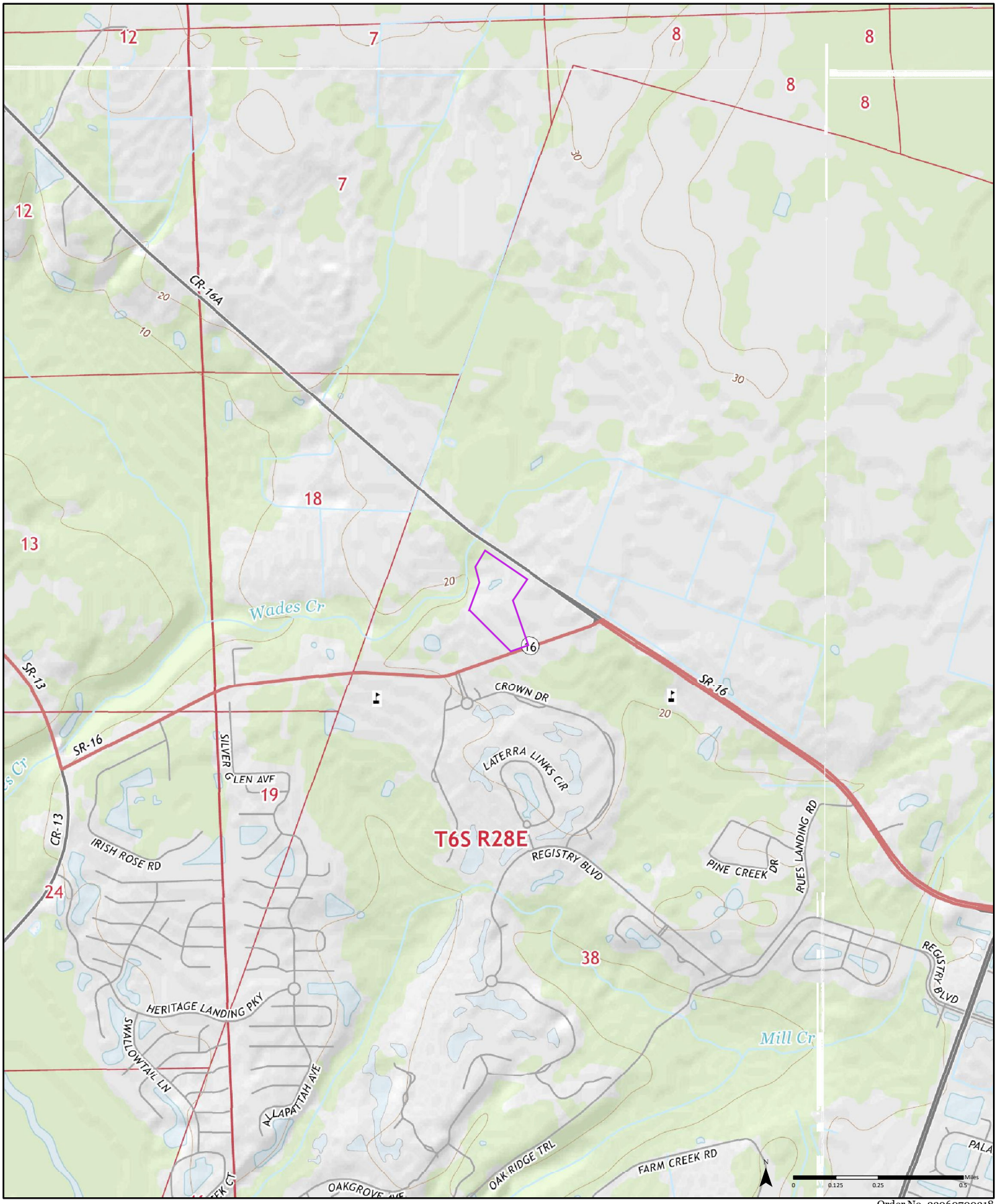
2021



Available Quadrangle(s): Picolata, FL
Orangedale, FL
Durbin, FL
Bakersville, FL

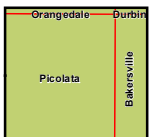
Source: USGS 7.5 Minute Topographic Map

BRAUN INTERTEC



Order No. 23060700318

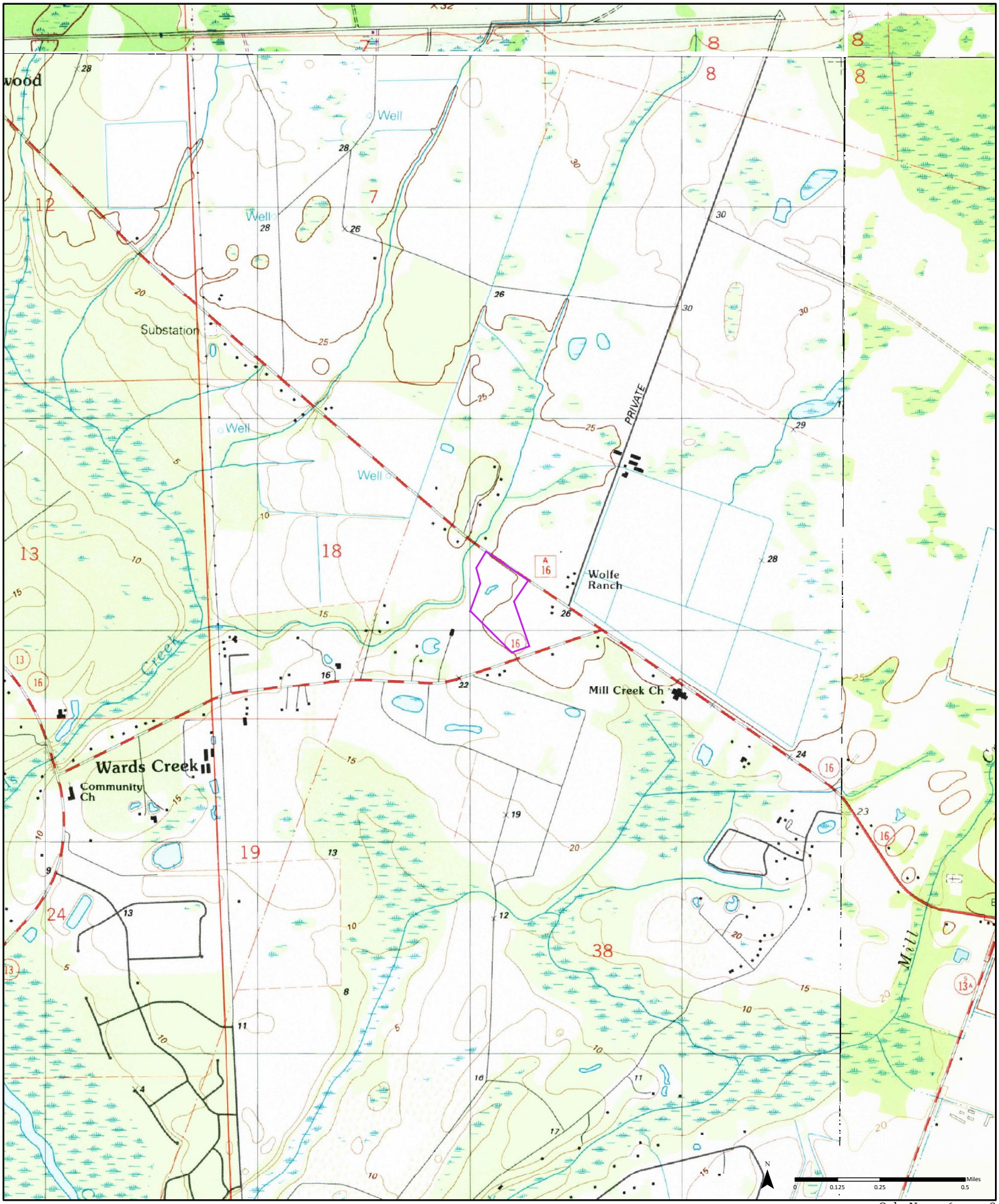
2015



Available Quadrangle(s): Picolata, FL
Durbin, FL
Orangedale, FL
Bakersville, FL

Source: USGS 7.5 Minute Topographic Map

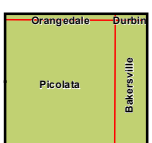
BRAUN INTERTEC



1991

Order No. 23060700318

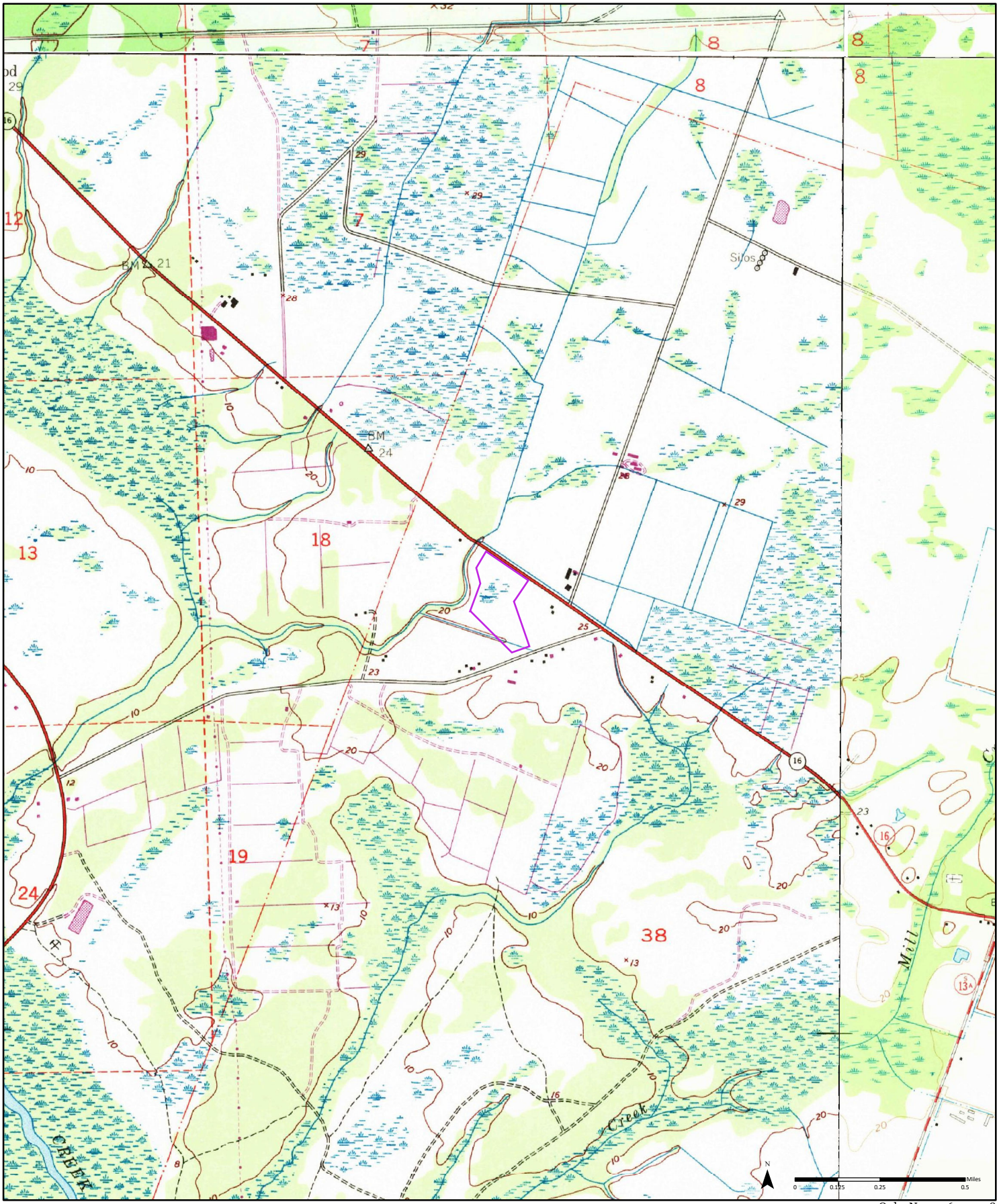
(1-1970)	(2-1991)	(3-1970)	(4-1970)
Aerial Photo Year: 1969	*Aerial Photo Year: 1988*	*Aerial Photo Year: 1970* *Photo Revision Year: 1970*	*Aerial Photo Year: 1970* *Photo Revision Year: 1970*



Available Quadrangle(s): Picolata, FL(2-1991)
Bakersville, FL(1-1970)
Orangedale, FL(3-1970)
Durbin, FL(4-1970)

Source: USGS 7.5 Minute Topographic Map

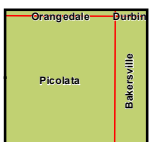
BRAUN INTERTEC



1970

Order No. 23060700318

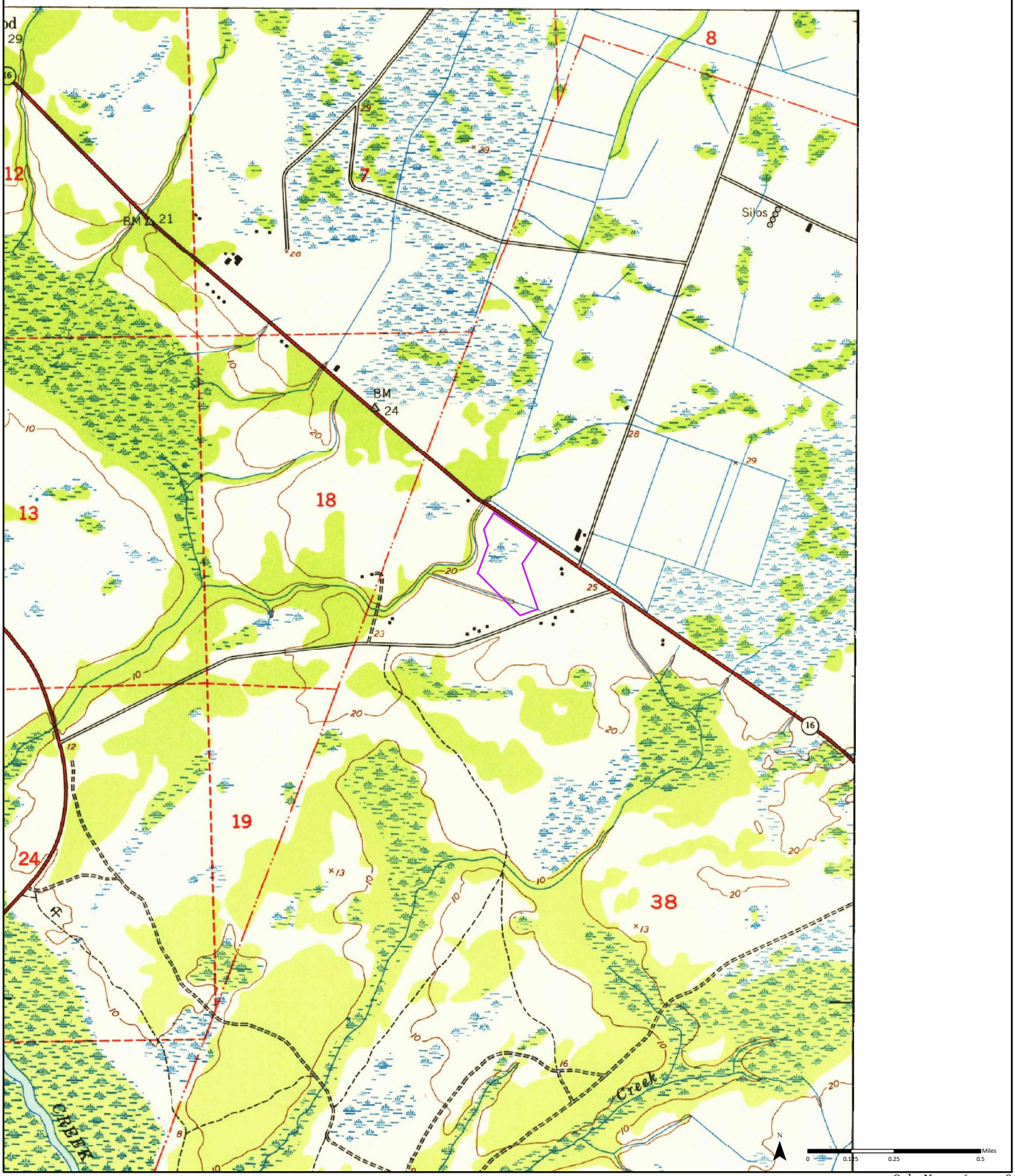
(1-1970)	(2-1970)	(3-1970)	(4-1970)
Aerial Photo Year: 1969	*Aerial Photo Year: 1970* *Photo Revision Year: 1970*	*Aerial Photo Year: 1970* *Photo Revision Year: 1970*	*Aerial Photo Year: 1970* *Photo Revision Year: 1970*



Available Quadrangle(s): Picolata, FL(4-1970)
Bakersville, FL(1-1970)
Orangedale, FL(2-1970)
Durbin, FL(3-1970)

Source: USGS 7.5 Minute Topographic Map

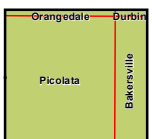
BRAUN INTERTEC



1949

(1-1949)
Aerial Photo Year: 1947

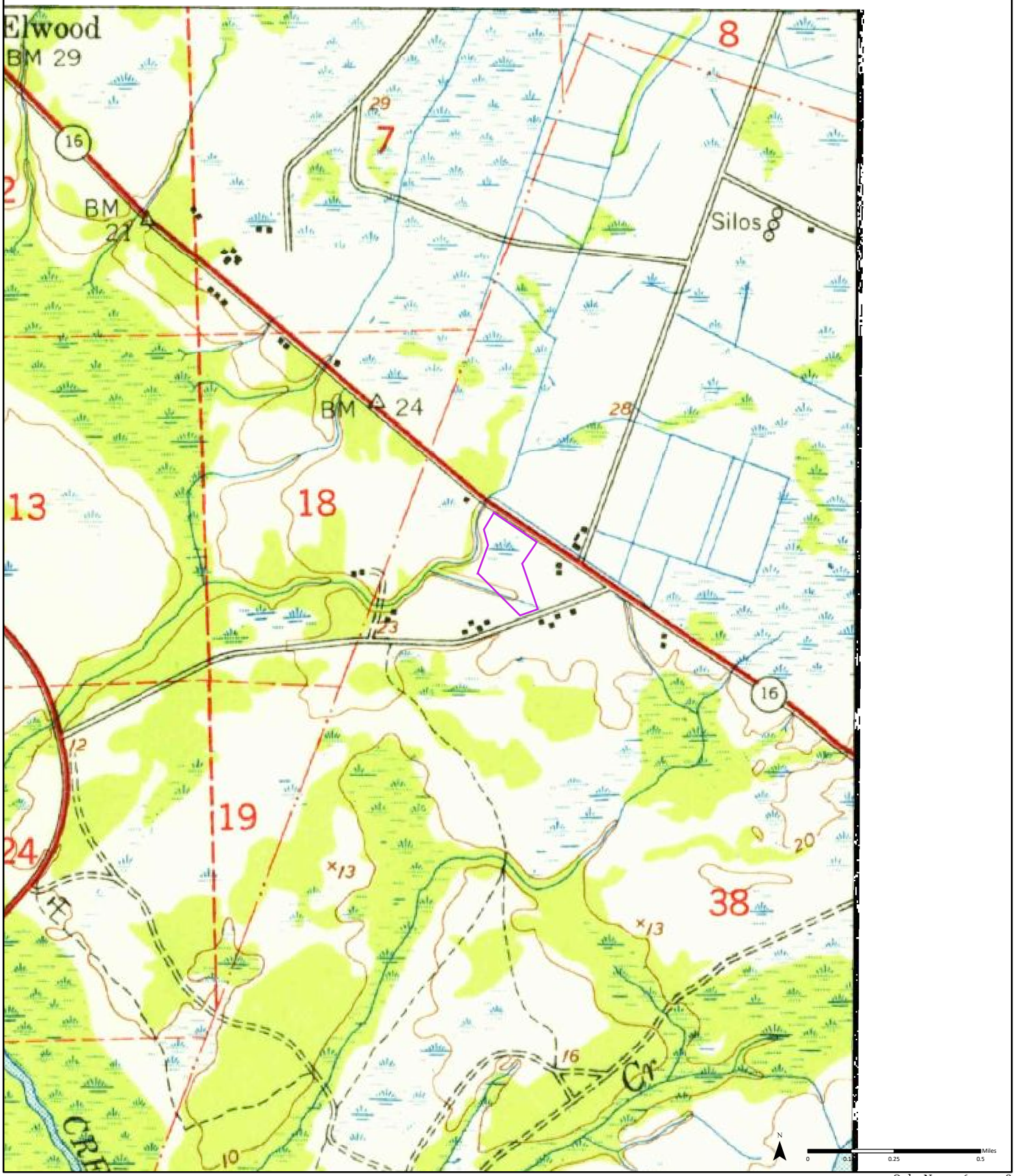
Order No. 23060700318



Available Quadrangle(s): Picolata, FL(1-1949)

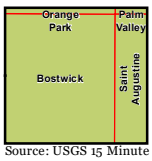
Source: USGS 7.5 Minute Topographic Map

BRAUN INTERTEC



1949 *(1-1949)*
Aerial Photo Year: 1947

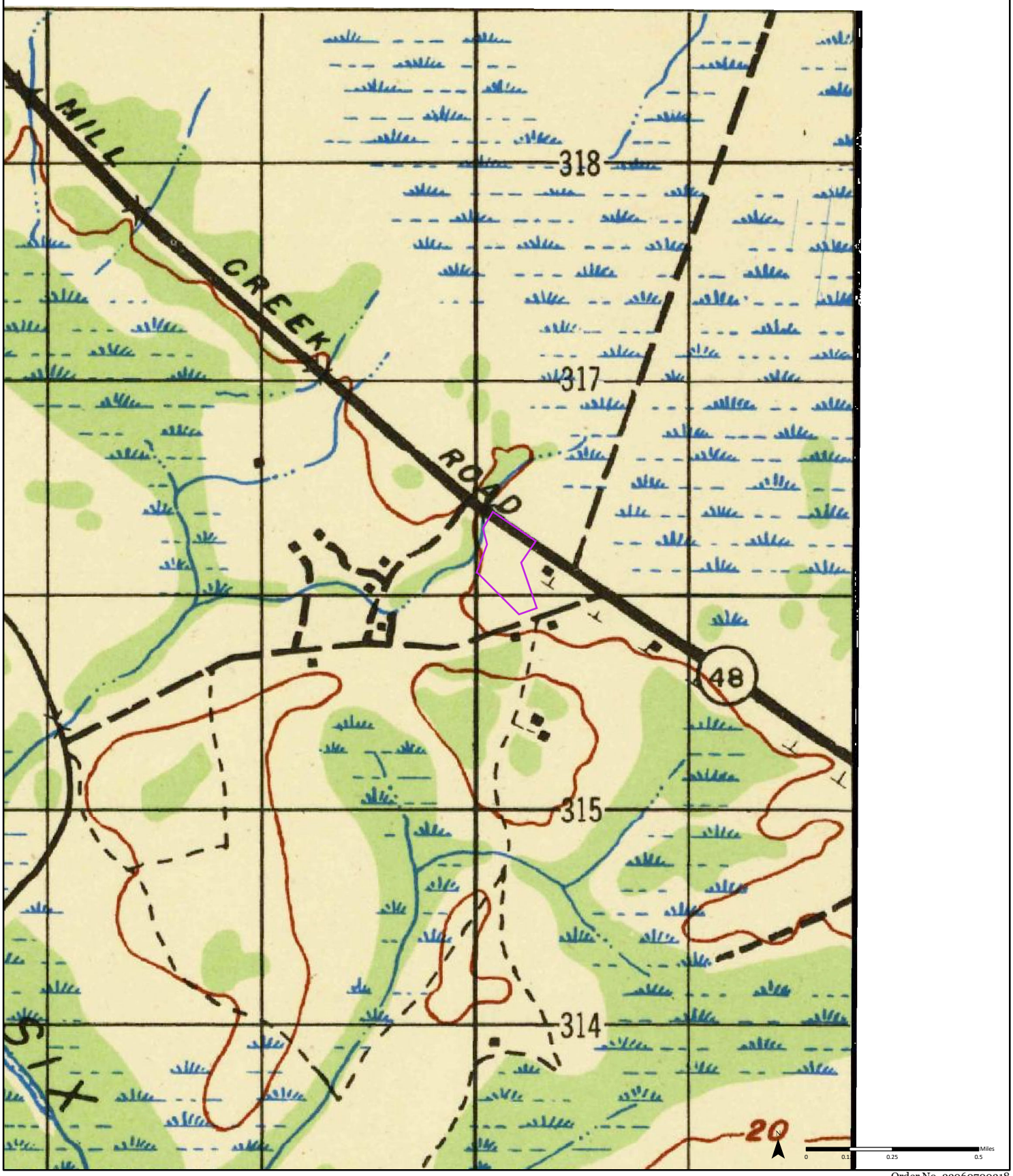
Order No. 23060700318



Available Quadrangle(s): Bostwick, FL(1-1949)

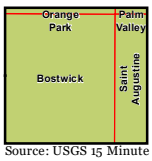
Source: USGS 15 Minute Topographic Map

BRAUN INTERTEC



1947 (1-1947)
Aerial Photo Year: 1941

Order No. 23060700318



Available Quadrangle(s): Bostwick, FL(1-1947)

Source: USGS 15 Minute Topographic Map

BRAUN INTERTEC

Appendix I

Aerial Photographs

HISTORICAL AERIALS

Project Property: St. Augustine Affordable Housing Development
6351 County Road 16a
St. Augustine FL 32092

Project No: B2304843

Requested By: Braun Intertec Corporation

Order No: 23060700318

Date Completed: June 09,2023

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Date	Source	Scale	Comments
2021	MAXAR TECHNOLOGIES	1" = 500'	
2019	United States Department of Agriculture	1" = 500'	
2017	United States Department of Agriculture	1" = 500'	
2015	United States Department of Agriculture	1" = 500'	
2013	United States Department of Agriculture	1" = 500'	
2010	United States Department of Agriculture	1" = 500'	
2007	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
1999	United States Geological Survey	1" = 500'	
1994	United States Geological Survey	1" = 500'	
1988	Florida Department of Transportation	1" = 500'	
1980	Florida Department of Transportation	1" = 500'	
1975	Florida Department of Transportation	1" = 500'	
1971	Florida Department of Transportation	1" = 500'	
1960	Agricultural Stabilization & Conserv. Service	1" = 500'	
1952	Agricultural Stabilization & Conserv. Service	1" = 500'	
1942	Agricultural Stabilization & Conserv. Service	1" = 500'	



Year: 2021
Source: MAXAR
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 2019
Source: USDA
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 2017
Source: USDA
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 2015
Source: USDA
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 2013
Source: USDA
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 2010
Source: USDA
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC

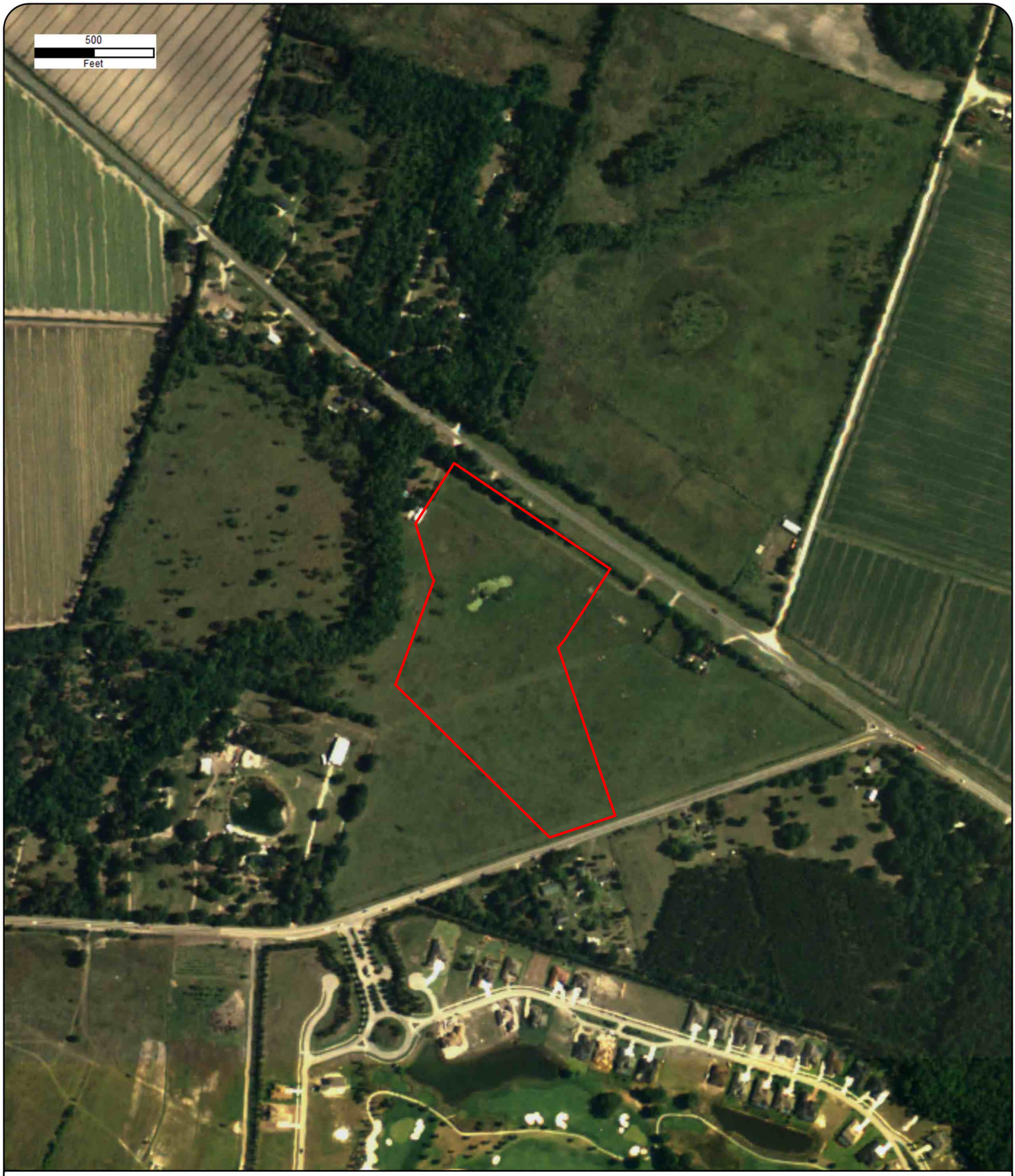


Year: 2007
Source: USDA
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 2005
Source: USDA
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 1999
Source: USGS
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 1994
Source: USGS
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 1988
Source: FDOT
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 1980
Source: FDOT
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 1975
Source: FDOT
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 1971
Source: FDOT
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 1960
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 1952
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC



Year: 1942
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 6351 County Road 16a, St. Augustine, FL
Approx Center: -81.51671733,29.97666312

Order No: 23060700318

BRAUN INTERTEC

Appendix J

City Directories

BRAUN INTERTEC

CITY DIRECTORY

Project Property:	*St. Augustine Affordable Housing Development* *6351 County Road 16a* *St. Augustine,FL 32092*
Project No:	*B2304843*
Requested By:	*Braun Intertec Corporation*
Order No:	*23060700318*
Date Completed:	*June 09, 2023*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

June 09, 2023
RE: CITY DIRECTORY RESEARCH
6351 County Road 16a
St. Augustine,FL 32092

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
5800-7000 of County Rd 16
6200-6600 of Silverleaf Pkwy
Search Notes:
Silverleaf Pkwy is also known as 6200-6600 FL 16 in St. Augustine.

Search Results Summary

Date	Source	Comment
2022	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1996	POLKS	
1991	POLKS	
1986	POLKS	
1981	POLKS	
1976	POLKS	
1971	POLKS	
1964	POLKS	
1960	POLKS	
1955	POLKS	
1951	POLKS	
1945	POLKS	
1940	POLKS	
1934	POLKS	
1930	POLKS	
1924-25	POLKS	

2022 COUNTY RD 16

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2022 SILVERLEAF PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

6205 **ACE HARDWARE OF WORLD GOLF VLG**...*HARDWARE-RETAIL*
6205 **THERESA RUIZ**...*RESIDENTIAL*
6285 **LINDA CONKLIN**...*RESIDENTIAL*
6345 **JOHN CHARD**...*RESIDENTIAL*
6355 **PATRICIA CHARD WEBB**...*RESIDENTIAL*
6500 **GREGORY GARRISON**...*RESIDENTIAL*
6540 **GEORGE CHANDLER**...*RESIDENTIAL*
6550 **DEER CROSSING TREE STANDS INC**...*SPORTING GOODS STORES*
6555 **WARDS CREEK ELEMENTARY SCHOOL**...*SCHOOLSUNIVERSITIES & COLLEGES ACADEMIC*
6555 **WARDS CREEK ELEMENTARY SCHOOL**...*SCHOOLS*
6600 **LUTHER LYLES**...*RESIDENTIAL*

2020 COUNTY RD 16

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2020 SILVERLEAF PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

6205 **ACE HARDWARE OF WORLD GOLF VLG**...*HARDWARE-RETAIL*
6205 **THERESA RUIZ**...*RESIDENTIAL*
6285 **LINDA CONKLIN**...*RESIDENTIAL*
6345 **ANNA CHARD**...*RESIDENTIAL*
6355 **PATRICIA CHARD WEBB**...*RESIDENTIAL*
6500 **BRANDON GARRISON**...*RESIDENTIAL*
6540 **GEORGE CHANDLER**...*RESIDENTIAL*
6550 **DEER CROSSING TREE STANDS INC**...*SPORTING GOODS STORES*
6555 **WARDS CREEK ELEMENTARY SCHOOL**...*SCHOOLSUNIVERSITIES & COLLEGES ACADEMIC*
6555 **WARDS CREEK ELEMENTARY SCHOOL**...*SCHOOLS*
6600 **LINDA LYLES**...*RESIDENTIAL*

2016 COUNTY RD 16

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2016 SILVERLEAF PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

6205 **THERESA RUIZ**...*RESIDENTIAL*
6285 **MIRTHA BARZAGA**...*NONCLASSIFIED ESTABLISHMENTS*
6345 **ANNA CHARD**...*RESIDENTIAL*
6345 **JOHN CHARD**...*RESIDENTIAL*
6500 **BRANDON GARRISON**...*RESIDENTIAL*
6500 **CAROL GARRISON**...*RESIDENTIAL*
6500 **GREGORY GARRISON**...*RESIDENTIAL*
6540 **GEORGE CHANDLER**...*RESIDENTIAL*
6550 **DEER CROSSING TREE STANDS INC**...*SPORTING GOODS STORES*
6550 **JRH SPORT INDUSTRIES INC**...*SPORTING GOODS-WHOLESALE*
6555 **WARDS CREEK ELEMENTARY SCHOOL**...*SCHOOLS*

2012 COUNTY RD 16

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 SILVERLEAF PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

6500 **GREGORY GARRISON**...*RESIDENTIAL*
6550 **J R H TREESTAND MANUFACTURING**...*WHOL SPORTING/RECREATIONAL GOODS*
6550 **JRH SPORT INDUSTRIES INC**...*SPORTING GOODS MERCHANT WHOLS*
6550 **JRH SPORT INDUSTRIES INC**...*MFG SPORTING/ATHLETIC GOODS*
6550 **JRH SPORT INDUSTRIES INC**...*SPG,RECREATIONAL GD*
6550 **JRH SPORT INDUSTRIES INC**...*SPORTING GOODS-WHOLESALE*
6555 **WARDS CREEK ELEMENTARY SCHOOL**...*SCHOOLS*
6600 **BRITTANY LYLES**...*RESIDENTIAL*
6600 **LAWN DOCTORS XPERTS**...*LAWN/GARDEN SERVICES*
6600 **LINDA LYLES**...*RESIDENTIAL*
6600 **LUTHER LYLES**...*RESIDENTIAL*
6600 **PRESTIGE DESIGN BUILDERS LLC**...*COMMERCIAL BUILDING CONSTRUCTION*
6600 **PRESTIGE DESIGN BUILDERS LLC**...*COMM/OFF BLDG NEW CON*
6600 **ROOF DOCTORS XPERTS**...*ROOFING CONTRACTORS*

2008 COUNTY RD 16

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2008 SILVERLEAF PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

6205 **GLENN & NANCY SMITH**...*RESIDENTIAL*
6285 **L SINGLETON**...*RESIDENTIAL*
6345 **JOHN CHARD**...*RESIDENTIAL*
6355 **PATRICIA WEBB**...*RESIDENTIAL*
6489 **JIM & TAMMY EDMONDS**...*RESIDENTIAL*
6489 **RACHEAL HOWELL**...*RESIDENTIAL*
6500 **MATTHEW CORBIN**...*RESIDENTIAL*
6544 **C C YOUNG**...*RESIDENTIAL*
6550 **J R H TREESTAND MANUFACTURING**...*WHOL SPORTING/RECREATIONAL GOODS*
6550 **JRH SPORT INDUSTRIES INC**...*SPORTING GOODS-WHOLESALE*
6550 **JRH SPORT INDUSTRIES INC**...*MFG SPORTING/ATHLETIC GOODS*
6550 **JRH SPORT INDUSTRIES INC**...*SPG,RECREATIONAL GD*
6600 **LAWN DOCTORS XPERTS**...*LAWN/GARDEN SERVICES*
6600 **LUTHER B LYLES**...*RESIDENTIAL*
6600 **LUTHER LYLES**...*RESIDENTIAL*
6600 **PRESTIGE DESIGN BUILDERS LLC**...*COMM/OFF BLDG NEW CON*
6600 **ROOF DOCTORS X-PERTS**...*ROOFING CONTRACTOR*
6600 **ROOF DOCTORS XPERTS**...*ROOFING CONTRACTORS*

2003 COUNTY RD 16

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2003 SILVERLEAF PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

6550 **JRH SPORT INDUSTRIES INC**...*ALUMINUM WIRE AND CABLE*
6600 **LAWN DOCTORS XPERTS**
6600 **ROOF DOCTORS XPERTS**

2000 COUNTY RD 16

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2000 SILVERLEAF PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

6550 **JRH SPORT INDUSTRIES INC**...*ALUMINUM WIRE AND CABLE*
6550 **JRH TREESTAND MFG**

1996 COUNTY RD 16

SOURCE: POLKS



COUNTY ROAD 16A (SA) 32092

6400	Brunke Karen	-1802	H002	829-3152
6430	Barkoskie Carl	-1802	H002	824-0730
	Barkoskie Kitty	-1802	H002	824-0730
6465	Crisp Ray	-1803	H002	825-4313
	Crisp Tammy	-1803	H002	825-4313
6485	Jacquin Marlene	-1803	H002	829-3339
6500	Haire Johnny	-1806	H002	829-5925
6700	EARL J WEEDMAN	-1804	H002	829-8034
6815	Daigle Charles L	-1727	H002	824-6608
	Daigle Teresa	-1727	H002	824-6608
	Hendricks Cather	-1727	H002	826-1377
6855	Daigle E C	-1727	H002	829-3577

BUSINESSES 1 HOUSEHOLDS 11

1996 SILVERLEAF PKWY

SOURCE: POLKS

STATE ROAD 16 *cont'd*

Address		Zip+4	Carr Rte	Phone
5615	Ambrose Sheila	-0621	R007	825-1572
	Hughes Sheila	-0621	R007	825-1572
5625	Jacobsen Michael D	-0621	R007	824-8551
	Wyatt Jim	-0621	R007	824-8551
5640	Pacetti Allen	-0620	R007	829-2823
5643	Bower Larry W	-0621	R007	825-0496
5646	Allen Leola	-0620	R007	829-9586
	Fuller Billy	-0620	R007	825-4724
	Fuller J	-0620	R007	829-6320
	Jones Benton	-0620	R007	829-1751
	Pacetti Janie	-0620	R007	824-9645
	Pacetti Rick	-0620	R007	824-9645
5655	Mattison Lannie	-0621	R007	824-6056
5660	Pacetti Richard A	-0620	R007	829-5504
5670	Carroll Michael	-0620	R007	824-8578
5690	Carroll Steve	-0620	R007	824-1793
5695	Bowen Keith H	-0621	R007	824-9530
5750	Pacetti Gus	-0622	R007	829-5553
5865	Digregorio Alex	-0625	R007	824-6341
5905	Eller Sue	-0627	R007	826-0515
	Eller Tammy	-0627	R007	826-1518
5935	Messick S	-0627	R007	824-2907
5945	Lyle Edward D	-0627	R007	829-3112
6019	MILL CREEK MISSIONARY BAPTIST	-0629	R007	824-6344
	Veon Thomas R	-0629	R007	824-0999
	Watts David B	-0629	R007	824-3087
6101	Rogero David	-0631	R007	826-4272
6145	Cames Jack	-0631	R007	829-8775
6155	ALLEN HOME IMPROVEMENT	-0631	R007	825-4833
	Allen Albert W	-0631	R007	825-4833
6345	Chard R B	-2108	H001	824-9174
6355	Chard Rick	-2108	H001	829-0632
	Rowe Scott	-2108	H001	829-0632
6365	Howland Michael	-2108	H001	829-3596
6489	Edmonds Jim	-2110	H001	823-9639
	Edmonds Tammy	-2110	H001	823-9639
6500	Corbin Mark A	-2109	H001	529-5204
	Corbin Mark A	-2109	H001	829-5204
6540	Sierra Erwin A	-2109	H001	826-0808
6544	McCourry Robert L	-2109	H001	829-0707
6600	BENJAMIN LYLES ROOFING	-2117	H001	824-0750
	Amerson Vaughn	-2117	H001	826-1349
	Lyles Luther	-2117	H001	829-2920
6630	Hunter Cecil F	-2117	H001	824-1349
6670	Hunter Cecil J	-2117	H001	829-0038
6700	James V	-2111	H001	824-4221
6720	Harb William G	-2111	H001	829-6283
6755	FIRST COAST LANDSCAPE & IRRGTN	-2112	H001	823-9848
6795	Hunter Joseph	-2112	H001	826-3410
6855	Greene S	-2114	H001	824-0140
6880	Hart R	-2119	H001	825-0530
	Hart W	-2119	H001	825-0530
6930	Prokosh John	-2113	H001	829-2819
6970	Scruggs Delores	-2113	H001	824-0520
	Scruggs Robert	-2113	H001	824-0520
6995	Kirker Steve	-2114	H001	829-8031
7050	Kinsley John	-2115	H001	824-7458
	Kinsley Shannon	-2115	H001	824-7458
7070	Avedisian A	-2115	H001	829-5527

BUSINESSES 169 HOUSEHOLDS 245

1991 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1991 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1986 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1986 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1981 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1981 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1976 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1976 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1971 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1971 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1964 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1964 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1960 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1960 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1955 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1955 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1951 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1951 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1945 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1945 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1940 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1940 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1934 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1934 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1930 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1930 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

1924-25 COUNTY RD 16

SOURCE: POLKS

STREET NOT LISTED

1924-25 SILVERLEAF PKWY

SOURCE: POLKS

STREET NOT LISTED

Appendix K

Site Photographs



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	Southeast	
No. / Description:	#1 - View looking east along County Road 16A from northwest Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	Southeast	
No. / Description:	#2 - View of ditch on property	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	Southeast	
No. / Description:	#3 - View looking at metal corrals on Site from eastern Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	East	
No. / Description:	#4 - View looking at neighboring parcel under construction from subject property	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	South	
No. / Description:	#5 - View looking across State Road 16 at adjoining residential properties from southernmost Site corner with survey stake in frame	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	Southeast	
No. / Description:	#6 - View looking along fence line of southeastern Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	Southeast	
No. / Description:	#7 - View of locations of buried natural gas lines along southern side (Site side) of CR 16A along northern Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	Southeast	
No. / Description:	#8 - View looking across onsite pond from northwest portion of Site	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	East-northeast	
No. / Description:	#9 - View looking north along County Rd 16A from Eastern boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	Northeast	
No. / Description:	#10 - View looking across the Site from the southern portion at construction activity on eastern adjoining property	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	Northeast	
No. / Description:	#11 - View looking across Site at residents with pens in the background from southwest portion of the Site	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	East	
No. / Description:	#12 - View looking at construction storage container on the eastern adjoining parcel from eastern Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	Northeast	
No. / Description:	#13 - View across County Road 16A looking at recent construction on northern adjoining parcel from northeastern Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	Northeast	
No. / Description:	#14 - View looking at the northeastern corner of the Site.	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	Northeast	
No. / Description:	#15 - View looking across Site from southern boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	East-Northeast	
No. / Description:	#16 - View looking along southern Site boundary parallel to State Road 16	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	West-Southwest	
No. / Description:	#17 - View looking along southern Site boundary parallel to State Road 16	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	West	
No. / Description:	#18 - View looking at metal gate on western Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	West	
No. / Description:	#19 - View looking at metal gate giving access to southwest adjoining parcel along southwest Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	Southwest	
No. / Description:	#20 - View looking at access gate to Site from County Road 16A	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	West-Southwest	
Description:	#21 - View looking across the Site from the northeast Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	South-Southwest	
No. / Description:	#22 - View looking across Site from western Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	South-Southwest	
No. / Description:	#23 - View looking western corner and survey stake demarking western Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	Southwest	
No. / Description:	#24 - View looking across pond in northern portion of Site	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	Northwest	
No. / Description:	#25 - View looking along County Road 16A from access gate at northeast Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	Northwest	
Description:	#26 - View looking at typical vegetation on western adjoining property from western Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	West-Northwest	
No. / Description:	#27 - View looking at ditch along western Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	West	
No. / Description:	#28 - View looking at scrap metal on western adjoining property from western Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	Northwest	
No. / Description:	#29 - View looking at garage building located on northwest adjoining property from northwest Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	Northwest	
No. / Description:	#30 - View looking across Site from eastern portion of Site	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	Northwest	
No. / Description:	#31 - View looking along northern Site boundary parallel to County Road 16A from northeastern Site boundary	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	
Direction:	Northwest	
No. / Description:	#32 - View looking along southwest Site boundary from southern corner of Site	



Site:	Bull Pasture LLC Site	B2304843
Date:	June 2, 2023	BRAUN INTERTEC
Direction:	Northwest	
No. / Description:	#33- View looking at west adjoining property from western Site boundary	

Appendix L

Qualifications of Consultants

BRAUN INTERTEC

DEREK M. SCHILLING, PG, CHMM

Account Leader, Senior Scientist

EDUCATION

B.A., Geology,
St. Cloud State University

PROFESSIONAL REGISTRATIONS

Professional Geologist
MN No. 48275
TN No. 6128

Certified Hazardous Materials Manager
(CHMM) No. 14804

CERTIFICATIONS

OSHA 29 CFR 1910.120
HAZWOPER Training

Minnesota Department of Health (MDH)
Asbestos Inspector
MN No. AI8539

MDH Asbestos Management Planner
MN No. AM8539

MDH Asbestos Project Designer
MN No. AD8539

MDH Lead Risk Assessor
MN No. LR1495

PROFESSIONAL AFFILIATIONS

American Institute of Professional Geologists

Minnesota Groundwater Association

Derek Schilling is an Account Leader and Senior Scientist in Braun Intertec's environmental consulting group and is a geologist with more than 20 years of environmental consulting experience. His roles include business development, strategic client growth and management, and technical project management and review/support. Derek has managed projects involving environmental remediation of Brownfields sites to facilitate redevelopment including both historic rehabilitation and new construction. Derek's project experience includes assessing and addressing a variety of environmental issues including soil, groundwater and vapor contamination, as well as asbestos and lead-based paint. He has extensive experience with environmental consulting for affordable housing projects across the country. Derek also has extensive experience with environmental grant application preparation and grant management. He has also provided on-site project management of asbestos and microbial abatement projects, oversight of drilling projects, and excavation monitoring. His other areas of experience include laboratory analysis of asbestos, and industrial hygiene monitoring for asbestos and other contaminants.

Derek managed the asbestos management program for a large, national retail corporation. This program included managing the completion of asbestos inspections throughout the United States and Canada for renovation projects, designing and managing asbestos abatement projects, and managing an asbestos awareness program for the corporation. In this role, he provided asbestos regulatory guidance to construction, real estate, and facility management areas of the corporation.

Derek also has experience as an operations manager, which included staff management, managing, and implementing company-wide initiatives, coordinating day-to-day company operations, facilitating company communications, and business development.

PROJECT EXPERIENCE

- *Millwork Lofts, Minneapolis, MN* — The Millworks Lofts project included rehabilitation/renovation of a multi-story historic building into 78 workforce apartments. Derek was the project manager for the environmental remediation activities that were completed as part of redevelopment. The environmental remediation activities included soil remediation; installation of sub-slab vapor control systems; lead-based paint remediation; asbestos and hazardous materials abatement; and removal of a petroleum aboveground storage tank (AST). He communicated with Minnesota Pollution Control Agency (MPCA) Voluntary Investigation and Cleanup (VIC) and Petroleum Brownfields (PB) program staff to obtain assurance letters and technical approvals for the project. He was responsible for managing project budgets; project invoicing; managing subcontractors; preparing project documentation and final reporting; and managing grant budgets and disbursement requests.

**While employed by another firm.*

- *A-Mill Artist Lofts, MN* — The A-Mill Artist Lofts project included the historic rehabilitation/renovation of a former flour mill property into 252 loft-style apartments. The site was developed as a flour mill complex since the late 1800s. Associated historic land uses have included grain storage and rail lines; more recent uses have included warehouse storage. The key environmental issues/challenges to the site's successful redevelopment into residential housing include the presence of significant quantities of asbestos-containing materials and lead-based paint within the historic structures, shallow fill soil contaminated by past land use activities, and hazardous materials/substances left by past occupants. Derek was the project manager for the environmental remediation investigation and activities that were completed as part of redevelopment. The environmental remediation activities being completed include soil remediation (more than 38,000 tons of contaminated fill soil was removed and properly disposed); lead-based paint remediation; asbestos and hazardous materials abatement; installation of sub-slab vapor control systems; and sealing and abandonment of a production water well. Derek communicated with MPCA VIC Program and PB Program staff to obtain assurance letters and technical approvals for the project prior to the start of redevelopment. He was responsible for managing project budgets; managing subcontractors; project invoicing; preparing project documentation and final reporting; and managing grant budgets and disbursement requests.
- *Schmidt Artist Lofts, St. Paul, MN** — The Schmidt's Artist Lofts project included historic rehabilitation/renovation of a former brewery/industrial property into 247 loft-style apartments and townhomes. Due to more than 100 years of commercial/industrial use, the former Schmidt Brewery site had a myriad of environmental issues which had thwarted redevelopment efforts for nearly 10 years. The past site uses have included two lumber yards, two gas stations, brewery operations, railroad spurs, and most recently an ethanol manufacturing plant. The key environmental issues/challenges to the site's successful redevelopment into residential housing included the presence of significant quantities of asbestos-containing materials and lead-based paint within the historic Bottle House and Brew House structures, shallow fill soil contaminated by past land use activities, out-of-service petroleum USTs, and hazardous wastes/substances and byproducts left by past occupants. Derek was the project manager for the environmental remediation activities that were completed as part of redevelopment. The environmental remediation activities included soil remediation, approximately 31,800 tons of contaminated fill soil were removed and properly disposed; lead-based paint remediation; asbestos and hazardous materials abatement; installation of sub-slab vapor control systems; and removal of petroleum storage tanks. Derek communicated with MPCA Voluntary Investigation and Cleanup (VIC) Program and PB Program staff to obtain assurance letters and technical approvals for the project. He was responsible for managing project budgets; managing subcontractors; project invoicing; preparing project documentation and final reporting; and managing grant budgets and disbursement requests.

**While employed by another firm.*

- *Ramsey County Brownfields Inventory Project, Ramsey County, MN** — Ramsey County received a US Environmental Protection Agency (EPA) grant to develop an inventory of potential Brownfields site within suburban Ramsey County. Ramsey County contracted with Peer Engineering/Braun Intertec for the development of the inventory. Specific activities conducted as part of this project included communication/correspondence with partner Cities on potential candidate properties that would be considered Brownfields sites; preparation of a Quality Assurance Project Plan (QAPP) and Sampling and Analysis Plans (SAP) for submittal to the EPA; assisting the County with selecting identified sites for Phase I Environmental Site Assessment (ESA) work, Phase II investigation work, and RAP preparation; completing assessment work (e.g. Phase I ESA and Phase II investigations) and remedial planning; and assisting the County with community outreach during the assessment and development planning for candidate sites as warranted. Derek was the project manager and his responsibilities involved coordinating the development of the Brownfields inventory; communicating with the County and partner Cities on project progress; assisting the County with communication and reporting to the EPA; managing the project schedule and budget; coordinating the completion of assessment work; reviewing assessments reports; and preparing progress reports.

BRAUN INTERTEC

JAMES E. STEPHAN

Group Manager, Senior Scientist

EDUCATION

B.A., Chemistry,
University of Minnesota

CERTIFICATIONS

OSHA 40-Hour Hazardous Waste Operations Certification (29 CFR 1910.120)

National Radon Proficiency Program (NRPP) Radon Testing Certification

Mr. Stephan is an Environmental Professional with more than 30 years of environmental consulting experience on various projects relating to all aspects of Phase I Environmental Site Assessments (ESAs). James is responsible for the completion, management and review of Phase I ESAs for a variety of clients across all market sector areas. His experience includes knowledge of complex site issues including those related to building specific hazards such as asbestos, lead based paint, and radon and those related to potential sources of soil, groundwater, and/or soil vapor contamination. James also has experience related to the assessment of National Environmental Policy Act (NEPA) items such as wetlands, floodplains, coastal resources, and critical habitats. This knowledge and experience crosses all property types with significant experience with services related to due diligence for acquisition and redevelopment. James has worked on all types of properties, completed and/or managed ESAs across the continental United States, and has experience with a variety of client specific requirements and various state regulatory requirements.

PROJECT EXPERIENCE

- *Multi-State Project Experience* — James has managed and/or completed several multi-site Phase I ESA projects. Specific projects have included 25 multi-family apartment buildings located primarily in the southeastern United States; 18 multi-family apartment buildings located in California; 23 bank branches located in the Western United States; 45 motels in 20 different states; 30 fast food restaurants in six Midwestern states; 30 sites for a single-family home developer in the southeast; and 48 apartments located in 10 states. These multi-state projects were completed within 21 to 45 days of authorization and many required asbestos testing or other related services.
- *Commercial Project Experience* — James has managed and/or completed numerous Phase I and Phase I ESAs of commercial properties including industrial, office, warehouse, manufacturing, and retail facilities. The projects were completed in strict accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Some of these projects required asbestos testing, underground storage tank evaluation, vapor assessment, or property condition reports.
- *Affordable Multifamily Experience* – James has knowledge of the specific requirements and nuances related to the acquisition and development of affordable multifamily properties. This experience covers numerous states with extensive experience in Minnesota, Texas, Florida, Georgia, and California. This expertise includes knowledge of the requirements related to various funding entities including the U. S. Department of Housing and Urban Development (HUD); Freddie Mac; Fannie Mae; and various Low-Income Housing Tax Credit (LITEC) and private investor requirements.

- *Project Coordination* — James coordinated the asbestos abatement activities related to the Metropolitan Airports Commission (MAC) "Part 150 Sound Insulation Program" over the 1997-2012 time period. Under this program, more than 7,000 homes in the vicinity of the Minneapolis/St. Paul International Airport were renovated to reduce the effects of aircraft noise. Eligible homes received new windows and doors, wall and attic insulation, central air, venting or ductwork modifications, roof vents, and attic baffling. Role included evaluating contractor bid submittals for the MAC, scheduling and coordinating the abatement work, documenting the abatement activities and communication with the respective home owners. Approximately one-third of the homes in the Sound Insulation Program required asbestos abatement. The abatement had to be completed within stringent construction schedules.
- *RTC/FDIC* — James has managed and/or completed more than 125 Phase I ESAs for various RTC and FDIC offices. These included work with SAMDA contractors and banks in receivership. The projects were concentrated primarily in California, Arizona, and Washington. Projects were also completed in Florida, Illinois, Kansas, Michigan, Minnesota, Missouri, and Ohio.
- *Central Corridor Light Rail Transit Corridor (CCLRT), Minneapolis to St. Paul, MN* — James managed a project awarded by the Metropolitan Council Metro Transit to perform a Phase I ESA of an approximate 9.8-mile locally preferred alignment of the CCLRT between downtown Minneapolis to downtown St. Paul. The purpose of the Phase I was to identify any sources of contamination (based on present or former land use) on properties that could impact construction of the CCLRT. The project corridor included one alternative alignment between Oak Street and 29th Avenue SE in Minneapolis, and two between Cedar and Wacouta in St. Paul. James was the project manager for the project. His specific responsibilities included client interaction and correspondence, managing the project schedule and budget, coordinating site access, and report review and quality control.

BRAUN INTERTEC

ROSS TUCKER, PG

Project Scientist

EDUCATION

B.S., Geology
Columbus State University

M.S., Geology
Auburn University

PROFESSIONAL REGISTRATIONS

AL Professional Geologist
No. 1350

GA Professional Geologist
No. 2262

KS Professional Geologist
No. 957

TX Professional Geologist
No. 12368

CERTIFICATIONS

40-Hour HAZWOPER Certification and Annual Refresher Training

8-Hour HAZWOPER Refresher Training

Ross Tucker currently serves as a project scientist from our Atlanta, Georgia office and brings over 10 years of experience in environmental consulting specializing in soil and groundwater assessment and remediation. Ross has consulting experience performing geologic and hydrogeologic investigations and managing underground storage tank (UST) and pipeline release sites, landfill leachate monitoring, and Phase I/II environmental site assessments (ESAs). Additional consulting experience includes preparation of various technical investigation reports including groundwater classification and remedial system design, and compliance reports including stormwater pollution prevention plans (SWP3) and spill prevention, control, and countermeasure (SPCC) plans.

Ross' field experience includes collection of groundwater, wastewater, surface water, soil, and air samples in accordance with environmental protection agency (EPA) and state regulations, and oversight and management of drilling crews and excavation teams. He has experience logging boreholes and examining for contamination, mineral resources, and geologic/hydrogeologic interpretation at commercial, industrial, and agricultural sites across the United States. Ross is additionally experienced with field work for geotechnical engineering purposes.

ASSESSMENT/REMEDIATION PROJECTS

Ross has managed projects involving assessment and remediation of various chemicals of concern including petroleum products, metals, and chlorinated solvents. His experience primarily includes contaminant releases associated with underground storage tanks (USTs), product storage/loading facilities, and pipelines. He has experience with cutting-edge assessment and remediation tools and techniques and has worked towards site closure with state agencies across multiple states including Alabama, Georgia, Texas, Oklahoma, Kansas, Nebraska, and South Dakota. Projects include:

- *Alabama** — Project manager for multiple UST and above ground storage tank (AST) release sites across the state managed under the Alabama Department of Environmental Management's Corrective Action Program Trust Fund. Regulatory site closures obtained.
- *Tuscaloosa, AL** — Assessed multi-acre properties for mineral resources.
- *Leander, TX* — Project manager for former fill dump site in the Texas Commission on Environmental Quality's Voluntary Cleanup Program. Prepared phase II, groundwater classification, affected property assessment, and stream evaluation reports. Collected soil, sediment, groundwater, and surface water samples. "Certificate of Completion" obtained for client.

**While employed by another firm.*

- *Austin, TX* — Performed Phase II investigations at four active service stations. Assessed for soil and groundwater contamination and for vapor intrusion conditions.
- *San Antonio, TX* — Emergency response oversight and supervision of petroleum product pipeline rupture. Performed groundwater and soil investigation and remediation.
- *Macon, GA* — Project manager for jet fuel pipeline release sites. Supervised installation and operation of extensive groundwater remediation system. Supervises groundwater monitoring and remediation program.
- *Chester, NE* — Project manager for petroleum product pipeline release site. Supervises groundwater monitoring and remediation program. Regulatory site closure obtained in 2019.
- *Yankton, SD* — Project manager for petroleum product bulk terminal release site. Supervises investigation, soil and groundwater sampling, and remediation program.

PHASE I ASSESSMENTS

Ross has completed, directed, or supervised Phase I ESAs across multiple states. His duties include technical review and documentation of site assessment reports, field reconnaissance work, and historical research interpretation. Properties include commercial, industrial, governmental, and agricultural uses including several large-parcel (1,000+ acre) Phase I ESAs.

BRAUN INTERTEC

MACKENZIE BENTON

Staff Scientist

EDUCATION

Bachelor's of Science, Earth and Space Sciences
Columbus State University, 2022

TRAINING AND CERTIFICATIONS

40 hour HAZWOPER

Mackenzie is an entry-level scientist with a background in structural geology. Her academic coursework included hydrology, environmental geology, sedimentary geology, and structural geology. Prior to beginning her professional career with Braun Intertec, Mackenzie completed a senior thesis project involving strain analysis of deformed feldspar minerals in granitoid rocks. Mackenzie also conducted a mineral extraction project in which she and her team worked to recover zircon minerals out of the Marble Hill Hornblende Schist formation in Alabama through mechanical and chemical processes.

PROJECT EXPERIENCE

- *Phase I ESA, GA, FL, SC* – Completed multiple Phase I investigations throughout Georgia, Florida, and South Carolina. Project work included a technical review of data reports, field reconnaissance, and historical research interpretation.
- *Phase II ESA, GA* – Assisted in the installation of temporary monitoring wells and the advancement of soil borings in Georgia. Project work included logging soils, preparing samples, analyzing data, and report writing.
- *Geotechnical Drilling, GA* – Assisted a professional geologist log soil borings for geotechnical work. Project work included Georgia 811 Ticket submissions, logging soils in ASTM classifications, and bagging samples.

**While employed by another firm.*

ATTACHMENT 3
Northwest Sector
Community Meeting
Documents

St. Johns County Growth Management Department
Planning & Zoning Section
4040 Lewis Speedway
St. Augustine, Florida 32084
Phone: 904 209-0675 | Fax: 904 209-0576 | E-mail: plandept@sjcfl.us

COMMUNITY MEETING NOTICING AFFIDAVIT

Date: 9-24-2026

I hereby certify that the Community Planning Public Participation Meeting noticing procedures outlined in Development Review Manual Section 33, and as required by Comprehensive Plan Policy A.2.1.7, have been properly completed for application number(s) CPA(SS) 2026-08; REZ 2026-16 for a Community Meeting held on September 23rd, 2026. I understand that the Community Meeting must be held at least 15 days prior to the Planning and Zoning Agency hearing, and that this affidavit must be completed and returned within three business days of the community meeting with a summary of the discussion or the item may be continued to the next available hearing date.

Notice Requirement	Date and Initials
☑ Adjacent Property Owner Notice sent 15 days prior to scheduled meeting	9-08-26 CLD
☑ Sign(s) Posted 15 days prior to scheduled meeting	9-08-26 CLD
☑ Published Notice with copy to Planning and Zoning 15 days prior to scheduled meeting	9-08-26 CLD
☑ Signs posted at location meeting	9-23-26 CLD
☐ Flyers posted within Northwest sector *(optional)*	

Applicant Signature: _____ Date: 9-24-2026

State of Florida
County of St. Johns

The foregoing instrument was acknowledged before me this 24th day of September, 2026

By Casey Dendor (name of person acknowledging).

_____
Notary Signature

(NOTARY SEAL)

NOTARY PUBLIC STATE OF FLORIDA
SHARLENE LEE WOLTERMAN
MY COMMISSION # HH 747845
EXPIRES: February 2, 2030

Sharlene L Wolterman
Name of Notary *(Typed, Printed, or Stamped)*

Personally Known ✓ OR Produced Identification ___

Type of Identification Produced _____

ENGLAND-THIMS & MILLER
14775 Old St. Augustine Road, Jacksonville, FL 32258
etminc.com | 904.642.8990

September 29, 2026

Evan Walsnovich
Growth Management Department
Planning & Zoning Division
St. Johns County Board of County Commissioners
4040 Lewis Speedway | St. Augustine, FL 32084

RE: Northwest Sector Community Meeting
Fruit Cover Baptist Church – CPA 2026-08 and REZ 2026-16
ETM No. 01-118-04 FCBC

On Wednesday September 23, 2026, at 6:00 PM England-Thims and Miller (ETM), on behalf of the applicant, Fruit Cove Baptist Church of Jacksonville, hosted a Northwest Sector community public participation meeting at Mill Creek Academy. The meeting was noticed in accordance with Development Review Manual Section 33 in the form of mail-outs, NBR notification, newspaper advertisement, and sign postings.

In addition to the Applicant team, public attendance included, but not limited to, Evan Walsnovich, St. Johns County Planner; Chuck Labanowski, PZA member; and other members of the public. A copy of the sign-in sheet is attached.

The meeting was held in the school cafeteria, with map exhibits laid out on the tables to promote a conversational setting and allow attendees to review the property, surrounding development pattern, and proposed application area. The project was presented by Casey Dendor, ETM, and Ellen Avery-Smith, the land use attorney.

A PowerPoint presentation was provided to outline the proposed Small-Scale Comprehensive Plan Amendment and rezoning application and to guide the discussion. The community meeting focused on the following topics: (1) the proposed change in future land use designation from Agricultural to Community Commercial; (2) the proposed rezoning from Open Rural to Commercial General; (3) the location of the proposed commercial area within the existing and planned commercial node along the intersection of SR 16 and CR 16A; (4) compatibility with adjacent residential neighborhoods, including the enhanced 50-foot western development edge and existing vegetated and wetland separation; (5) the church's long-term vision for the property and future church campus; (6) the types of commercial uses that could be permitted and the church's intent to identify prohibited uses; (7) traffic, access, turn lanes, speeding, and existing roadway conditions along CR 16A; and (8) lighting requirements, noise, hours of operation, and other potential operational impacts associated with future commercial development and the future church operations.

A significant portion of the community discussion focused on providing greater clarity regarding the specific uses that may be develop on the property and the level of control the church would retain if commercial parcels were leased or sold. The meeting concluded with the Applicant team agreeing to review the permitted-use list with the church and identify uses that could be prohibited or otherwise restricted. A copy of the PowerPoint presentation including the maps shared during the meeting is attached.

Those attending the public participation meeting asked questions and made statements regarding the following subjects:

- Greater clarity on what the church intends to develop on the commercial portion of the property.

- Whether the church would retain ownership, ground lease, or sell the commercial parcels.
- How the church would control future uses if ownership changed and whether certain uses could be prohibited through deed restrictions or similar limitations.
- Requested additional information on the uses permitted under the proposed Community Commercial future land use and Commercial General zoning.
- The location of the commercial area along CR 16A and whether it would be more appropriate closer to SR 16 and the existing commercial development.
- Concerns about additional traffic, existing congestion, speeding, and school bus stop safety along CR 16A, particularly during peak travel times.
- Weather turn lanes, access improvements, traffic signals, or other roadway improvements would be required as the property develops.
- Concerns regarding wildlife and environmental impacts associated with development of the site.
- Concerns regarding lighting, noise, hours of operation, and early-morning service activities, particularly for homes adjoining or near the site.
- Weather the proposed buffers and development edges would provide sufficient separation and compatibility with the nearby Arbor Mill neighborhood.
- How the proposed commercial development would relate to the church's broader plans for a sanctuary, school, recreation facilities, and ball fields.

Please note that this letter is a summary of the meeting held on September 23, 2026. Should County require additional information or have any questions regarding the contents of this letter please do not hesitate to contact this office utilizing the contact information below.

Thank you,
ENGLAND-THIMS & MILLER, INC.



_____

Jessica Piedrahita, AICP
Planner
(904) 642-8990
piedrahitaj@etminc.com

Attached: Attendance Sign-In Sheet
Power Point Presentation (PDF)
Meeting Notice Posting

ATTACHMENT 4
CORRESPONDENCE

Outlook

Re: Fruit Cove Baptist Church Property – Meeting Follow-Up

From MARK HANGS <mhangs@msn.com>
Date Thu 10/1/2026 1:07 PM
To Jessica Piedrahita <PiedrahitaJ@etminc.com>; rsrichardson84@gmail.com <rsrichardson84@gmail.com>; clmcgyver@aol.com <clmcgyver@aol.com>; support@op2work.com <support@op2work.com>; sjcsgt05@hotmail.com <sjcsgt05@hotmail.com>; meghan.craig1@gmail.com <meghan.craig1@gmail.com>; sizemoresolutions@earthlink.net <sizemoresolutions@earthlink.net>; charles.j.sizemore@gmail.com <charles.j.sizemore@gmail.com>; deparis53@icloud.com <deparis53@icloud.com>; matt_henry@comcast.net <matt_henry@comcast.net>
Cc Casey Dendor <DendorC@etminc.com>; Evan Walsnovich <ewalsnovich@sjcfl.us>

Jessica:

If you eliminate on premises liquor sales, we will not be able to get any type of sit-down restaurants which is an attraction to residents. Totally favor a ban on liquor stores as the area already has too many along with the balance of your No list.

As far as further restrictions, I would include the entire list that you have listed as potential, don't need oil change, tire shops, another gas station or car washes.

My take.

Regards

Mark Hangs
909.938.6613
mhangs@msn.com

From: Jessica Piedrahita <PiedrahitaJ@etminc.com>
Sent: Thursday, 01 October 2026 11:04:48
To: rsrichardson84@gmail.com <rsrichardson84@gmail.com>; clmcgyver@aol.com <clmcgyver@aol.com>; support@op2work.com <support@op2work.com>; sjcsgt05@hotmail.com <sjcsgt05@hotmail.com>; meghan.craig1@gmail.com <meghan.craig1@gmail.com>; sizemoresolutions@earthlink.net <sizemoresolutions@earthlink.net>; charles.j.sizemore@gmail.com <charles.j.sizemore@gmail.com>; mhangs@msn.com <mhangs@msn.com>; deparis53@icloud.com <deparis53@icloud.com>; matt_henry@comcast.net <matt_henry@comcast.net>
Cc: Casey Dendor <DendorC@etminc.com>; Evan Walsnovich <ewalsnovich@sjcfl.us>
Subject: Fruit Cove Baptist Church Property – Meeting Follow-Up

Hello,

Thank you again for attending the Northwest Sector Community Meeting for the Fruit Cove Baptist Church property and for taking the time to provide your feedback.

As a follow-up to the discussion at the meeting, we have since coordinated with the Church to obtain additional clarification regarding the uses they would be willing to prohibit on the property. Based on comments received during the community meeting, we have prepared the attached list of proposed prohibited uses.

We appreciate your participation in the community meeting and the feedback provided as we continue to work through the proposed application.

Thank you again for your time and participation!

ETM
ENGLAND-THIMS & MILLER
JACKSONVILLE BUSINESS JOURNAL
#1 Best Place to Work 2024 & 2025

Jessica Piedrahita, AICP
Planner
PiedrahitaJ@etminc.com

office: 904.470.3901
etminc.com
Career Opportunities

Outlook

Re: Fruit Cove Baptist Church Property – Meeting Follow-Up

From SCOTT CRAIG <sjcsgt05@hotmail.com>
Date Thu 10/1/2026 5:27 PM
To Jessica Piedrahita <PiedrahitaJ@etminc.com>; MARK HANGS <mhangs@msn.com>; rsrichardson84@gmail.com <rsrichardson84@gmail.com>; clmcgyver@aol.com <clmcgyver@aol.com>; support@op2work.com <support@op2work.com>; meghan.craig1@gmail.com <meghan.craig1@gmail.com>; sizemoresolutions@earthlink.net <sizemoresolutions@earthlink.net>; charles.j.sizemore@gmail.com <charles.j.sizemore@gmail.com>; deparis53@icloud.com <deparis53@icloud.com>; matt_henry@comcast.net <matt_henry@comcast.net>
Cc Casey Dendor <DendorC@etminc.com>; Evan Walsnovich <ewalsnovich@sjcfl.us>

Hi Jessica,
Can you also express to the church that if a restaurant is permitted then a restriction regarding outdoor music/live musical performances should be attached due to the close proximity to the residences adjacent to the property.
Thank you,
Scott Craig

Get Outlook for iOS

From: Jessica Piedrahita <PiedrahitaJ@etminc.com>
Sent: Thursday, 01 October 2026 15:51:36
To: MARK HANGS <mhangs@msn.com>; rsrichardson84@gmail.com <rsrichardson84@gmail.com>; clmcgyver@aol.com <clmcgyver@aol.com>; support@op2work.com <support@op2work.com>; sjcsgt05@hotmail.com <sjcsgt05@hotmail.com>; meghan.craig1@gmail.com <meghan.craig1@gmail.com>; sizemoresolutions@earthlink.net <sizemoresolutions@earthlink.net>; charles.j.sizemore@gmail.com <charles.j.sizemore@gmail.com>; deparis53@icloud.com <deparis53@icloud.com>; matt_henry@comcast.net <matt_henry@comcast.net>
Cc: Casey Dendor <DendorC@etminc.com>; Evan Walsnovich <ewalsnovich@sjcfl.us>
Subject: RE: Fruit Cove Baptist Church Property – Meeting Follow-Up

Hi Mark,
Thank you for your feedback. We will share your comments with the Church.

Regarding restaurants, establishments with bona fide alcohol sales (i.e., beer and wine) for on-premises consumption would still be allowed. The restriction is intended to apply to restaurants that offer liquor for on-premises consumption (i.e., restaurants with a full service liquor bar), as well as establishments engaged in package liquor sales, as previously mentioned.

The intent is to allow restaurants to serve the area while also addressing residents' concerns regarding liquor sales.

Let us know if you have any additional questions. Hope this helps clarify.

Have a great night!

Jessica Piedrahita, AICP Planner
PiedrahitaJ@etminc.com | office: 904.470.3901
England-Thims & Miller, Inc. | Career Opportunities

From: MARK HANGS <mhangs@msn.com>
Sent: Thursday, October 1, 2026 1:08 PM
To: Jessica Piedrahita <PiedrahitaJ@etminc.com>; rsrichardson84@gmail.com; clmcgyver@aol.com; support@op2work.com; sjcsgt05@hotmail.com; meghan.craig1@gmail.com; sizemoresolutions@earthlink.net; charles.j.sizemore@gmail.com; deparis53@icloud.com; matt_henry@comcast.net
Cc: Casey Dendor <DendorC@etminc.com>; Evan Walsnovich <ewalsnovich@sjcfl.us>
Subject: Re: Fruit Cove Baptist Church Property – Meeting Follow-Up

Jessica:

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As far as further restrictions, I would include the entire list that you have listed as potential, don't need oil change, tire shops, another gas station or car washes.

My take.

Regards

Mark Hangs
909.938.6613
mhangs@msn.com

From: Jessica Piedrahita <PiedrahitaJ@etminc.com>
Sent: Thursday, 01 October 2026 11:04:48

To: rsrichardson84@gmail.com <rsrichardson84@gmail.com>; clmcgyver@aol.com <clmcgyver@aol.com>; support@op2work.com <support@op2work.com>; sjcsgt05@hotmail.com <sjcsgt05@hotmail.com>; meghan.craig1@gmail.com <meghan.craig1@gmail.com>; sizemoresolutions@earthlink.net <sizemoresolutions@earthlink.net>; charles.j.sizemore@gmail.com <charles.j.sizemore@gmail.com>; mhangs@msn.com <mhangs@msn.com>; deparis53@icloud.com <deparis53@icloud.com>; matt_henry@comcast.net <matt_henry@comcast.net>
Cc: Casey Dendor <DendorC@etminc.com>; Evan Walsnovich <ewalsnovich@sjcfl.us>
Subject: Fruit Cove Baptist Church Property – Meeting Follow-Up

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Thank you again for your time and participation!

ENGLAND-THIMS & MILLER

JACKSONVILLE BUSINESS JOURNAL BPTW #1 Best Place to Work 2024 & 2025

Jessica Piedrahita, AICP
Planner
PiedrahitaJ@etminc.com

office: 904.470.3901
etminc.com
Career Opportunities

CAUTION: This email originated from outside of ETM. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Outlook

Re: Fruit Cove Baptist Church Property – Meeting Follow-Up

From Sylvie Durand-Wilder <deparis53@icloud.com>
Date Thu 10/1/2026 5:30 PM
To Jessica Piedrahita <PiedrahitaJ@etminc.com>
Cc rsrichardson84@gmail.com <rsrichardson84@gmail.com>; clmcgyver@aol.com <clmcgyver@aol.com>; support@op2work.com <support@op2work.com>; sjcsgt05@hotmail.com <sjcsgt05@hotmail.com>; meghan.craig1@gmail.com <meghan.craig1@gmail.com>; sizemoresolutions@earthlink.net <sizemoresolutions@earthlink.net>; charles.j.sizemore@gmail.com <charles.j.sizemore@gmail.com>; mhangs@msn.com <mhangs@msn.com>; matt_henry@comcast.net <matt_henry@comcast.net>; Casey Dendor <DendorC@etminc.com>; Evan Walsnovich <ewalsnovich@sjcfl.us>

2 attachments (5 MB)
Community Meeting Follow Up Letter.pdf; CR16 and SR 16 A FCBC Site Plan 2026-10-1.pdf;

Jessica,

Thank you for holding the meeting. Like Mark, I do not agree with the list of tenants that the Church would agree to have. We certainly do not need another gas pump. No oil change station or tire store—these would be an eyesore and too close to a residential enclave. A restaurant or coffee shop would be welcome. Please relay this information to the Church.

Thank you.

Sylvie

> On Oct 1, 2026, at 11:04 AM, Jessica Piedrahita <PiedrahitaJ@etminc.com> wrote:
>
> Hello,
>
> Thank you again for attending the Northwest Sector Community Meeting for the Fruit Cove Baptist Church property and for taking the time to provide your feedback.
>
> As a follow-up to the discussion at the meeting, we have since coordinated with the Church to obtain additional clarification regarding the uses they would be willing to prohibit on the property. Based on comments received during the community meeting, we have prepared the attached list of proposed prohibited uses.
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> Thank you again for your time and participation!

ENGLAND-THIMS & MILLER

JACKSONVILLE BUSINESS JOURNAL

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PiedrahitaJ@etminc.com

office: 904.470.3901
etminc.com
Career Opportunities

Outlook

Public comment OPPOSING CPA(SS) 2026-08 and REZ 2026-16, 6351 County Road 16A – please include in the record

From Vivian Hernandez <vivian@op2work.com>
Date Thu 10/15/2026 12:49 AM
To FAXPLANDEPT <plandept@sjcfl.us>; Evan Walsnovich <ewalsnovich@sjcfl.us>
Cc Ernest Hernandez <ernhern3@gmail.com>

3 attachments (21 MB)

Wildlife of the Patch.pptx; Comment Form - REZ 2026-16 - Vivian Hernandez.jpg; Comment Form - CPA(SS) 2026-08 - Ernest Hernandez.jpg;

Good morning,

Please include this email, the two attached signed comment forms, and our attached slide deck, **"Wildlife of the Patch,"** in the public record for **CPA(SS) 2026-08** (Fruit Cove Baptist Church of Jacksonville) and the companion rezoning **REZ 2026-16**, for both the Planning and Zoning Agency hearing on **Thursday, October 15, 2026 at 1:30 p.m.** and the Board of County Commissioners hearing on **November 3, 2026**. We plan to present the deck during public comment at the PZA hearing.

Our position

We own and live in the home directly behind 6351 County Road 16A. We **oppose** the change from Agricultural-Intensive to Community Commercial and the companion rezoning, and respectfully ask the Agency to **recommend denial**. We are not against the church; this community welcomed its purchase of the land. Community Commercial use simply does not fit this site.

Facts in opposition

1. **Not compatible (Comp Plan Policy A.1.3.11).** Community Commercial is the County's sub-regional commercial category. It would place a public parking lot and loading area at our back fence, active up to 18 hours a day, with no buffer yet required, next to homes and the neighborhood's conservation easement. Policy A.1.3.11 requires uses to co-exist "in a stable fashion over time," judged by traffic, noise, lighting, hours of operation, drainage and listed species.
2. **Lights, noise and hours (A.1.3.11).** All-night lighting into backyards that are dark today; deliveries and dumpster pickups as early as 4:30 a.m.; loading, engines and customer activity until 10–11 p.m.
3. **Traffic and access safety (A.1.3.11).** All traffic would enter from CR 16A, a two-lane road with no signal, near Wards Creek Elementary and school-bus routes. The applicant's own plan marks the access point "subject to County review and approval."

4. **No demonstrated need (Policy A.1.2.5).** Commercial already serves this intersection (U-Haul, Ace Hardware, Bridal Creek), as the applicant's own map shows. A.1.2.5 requires amendments to show need and no harm to natural resources.
5. **Bald eagle and protected wildlife (LDC Sec. 4.01.10; Bald and Golden Eagle Protection Act; Migratory Bird Treaty Act).** We have personally watched a bald eagle over the parcel, and neighbors have reported sightings for the past two years. Red-shouldered hawks, including young hawks, hunt and feed along our fence line. Eagle nesting season began October 1, and LDC Sec. 4.01.10 sets 750-ft primary and 1,500-ft secondary protection zones around nest trees.
6. **Natural resources (A.1.2.5, A.1.3.11).** The parcel is a mature wooded tract adjoining our conservation easement and Wards Creek.
7. **Safety and security of residents (A.1.3.1 buffers).** Many surrounding homes belong to veterans, including disabled veterans, and older residents. A public lot open at our back fence undermines the security and predictability they rely on.
8. **Recent precedent.** In July 2026, this Agency voted 6–0 to deny a Community Commercial change in Fruit Cove on traffic, lighting, noise and compatibility grounds. The same facts apply here.

About the attached slide deck: "Wildlife of the Patch" (12 slides)

The deck documents, with photos taken from our own backyard along the parcel's edge and the conservation easement:

- **Where we are:** a Property Appraiser map showing our lot running straight back into the parcel's tree canopy.
- **The habitat:** the mature, moss-draped tree line and understory directly behind our fence.
- **Protected birds:** a red-shouldered hawk and young hawks feeding on our fence, and a bald eagle photographed over the parcel.
- **Our eagle survey request:** a summary of the LDC Sec. 4.01.10 protection zones and the October 1 – May 15 nesting season.
- **Other wildlife:** a southern black racer, eastern gray squirrels, wild turkey and Canada geese that depend on this edge habitat.
- **The corridor:** cattle grazing along CR 16A, showing the area remains rural and agricultural, consistent with the current designation.
- **Our request:** deny the change, require an eagle nest survey, and preserve the parcel's edge as a natural buffer.

Attachments

1. Signed comment form – REZ 2026-16 (Vivian Hernandez)
2. Signed comment form – CPA(SS) 2026-08 (Ernest Hernandez)
3. Slide deck – "Wildlife of the Patch.pptx"

Our requests

1. **Recommend denial** of CPA(SS) 2026-08 and REZ 2026-16 and keep the parcel Agricultural-Intensive.
2. **Require a bald eagle nest survey** of the parcel and the land within 1,500 feet this nesting season, coordinated with FWC and USFWS, before any land-use, zoning or construction decision.

3. **Preserve the parcel's edge**, Wards Creek and our fence line as open space or a conservation buffer.
4. Please send us the **staff report, traffic study and any environmental reports** for both applications.

Thank you for your time and consideration.

Respectfully,
Vivian Hernandez and Ernest Hernandez
Wards Creek, St. Augustine FL, 32092

FILE NUMBER: REZ-2026000016 Fruit Cove Baptist Church of Jacksonville

Correspondence is a part of the public records and will be provided to the Agency / Board and applicant.

Comments: (please attach additional pages if necessary) I Live directly behind 6351 County Road 16A and oppose CPA(SS) 2026-08 and the companion rezoning REZ2026-16 Community commercial is not compatible with our homes, our conservation easement, Wards Creek, or the protected bald eagles and hawks that live here (Comprehensive Plan Policies A.1.3.11 and A.1.25). It would bring all-night lights, trucks as early as 4:30am, activity until 11pm, and a public parking lot at our back fence It would add traffic to a two-lane road with no signal. It does NOT fit our Community or safety and wellbeing. Please recommend denial and keep this land Agricultural-Intensive. Photos Attached.

Signature: [signature]

Address: 177 Windwalker Drive St. Augustine FL 32092



FILE NUMBER: CPA(SS)-2026000008 Fruit Cove Baptist Church of Jacksonville

Correspondence is a part of the public records and will be provided to the Agency / Board and applicant.

Comments: (please attach additional pages if necessary) I oppose the plan, amendment and rezoning. My property backs up to the area where the construction will occur. I do not want my privacy infringed upon by the developments that would take place on that land. I request analysis of compatibility, traffic, and access safety. I request denial where the evidence demonstrates that standards cannot be met. Please see attached documentation.

Signature:

Address: 177 Windwalker Dr, SA, FL 32092



Location Map

CPA(SS) 2026-08
Fruit Cove Baptist Church of Jacksonville

0 790 1,580
Feet

N

8/26/2026



6351 COUNTY ROAD 16A · ST. JOHNS COUNTY

Who Lives at the Patch

Wildlife photographed from our backyards, along the parcel’s edge and the neighborhood’s conservation easement



WHERE WE ARE

Our back lot line meets the woods

Our lot, outlined in blue, runs straight back into the tree canopy.

The patch sits directly behind our home, next to the neighborhood's conservation easement. Every photo in this deck was taken from here.

Map: St. Johns County Property Appraiser

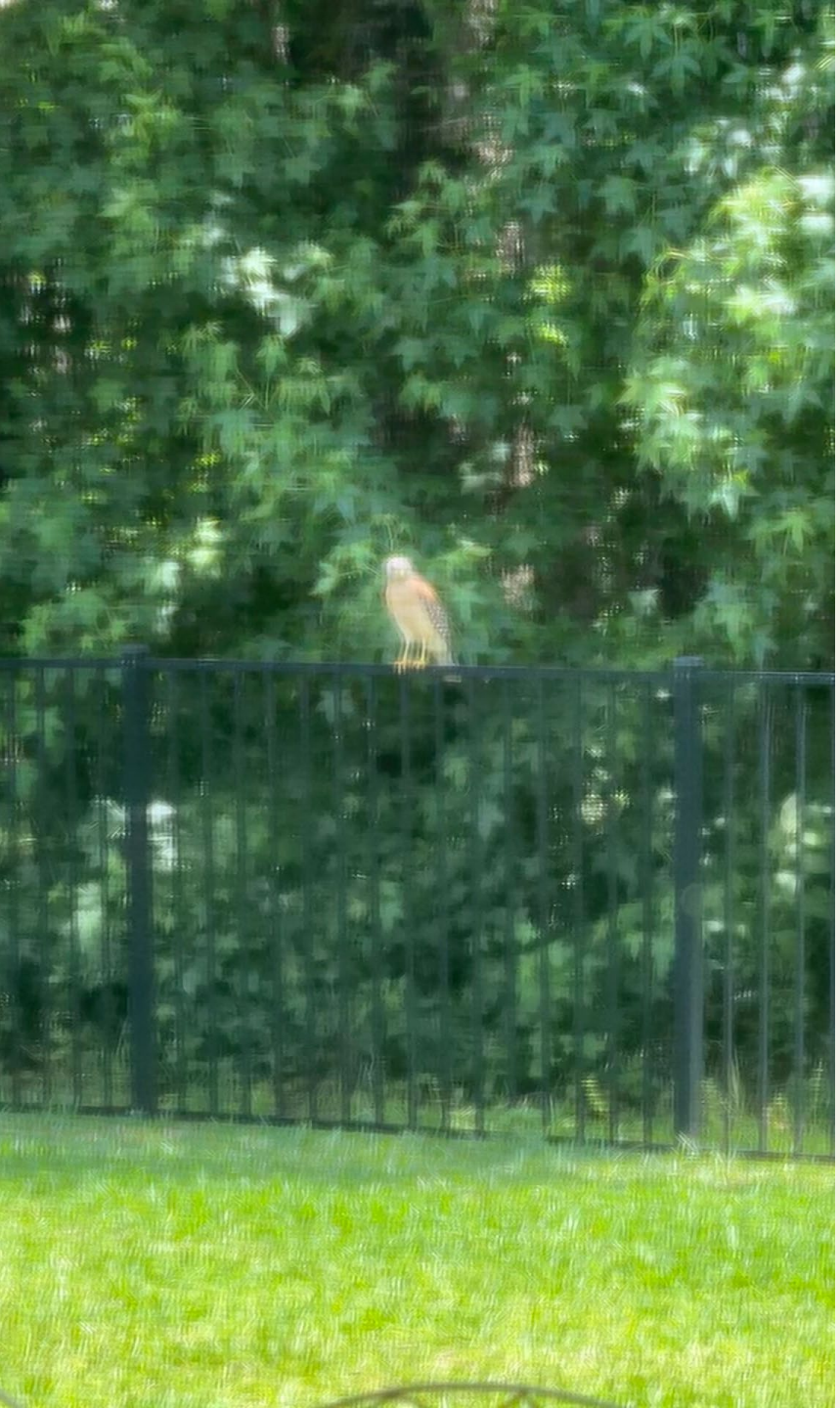


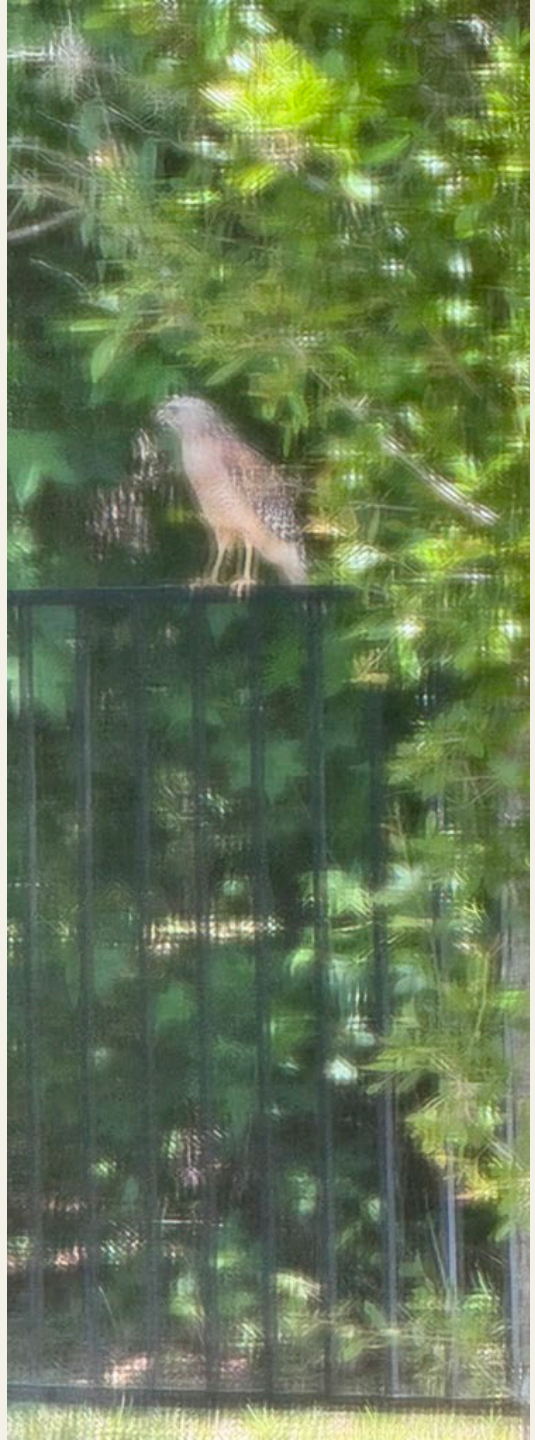
THE HABITAT

A mature tree line right behind our fence

Tall, moss-draped trees and dense understory run along the edge of the parcel, next to the neighborhood’s conservation easement.

This cover is where the animals on the following slides come from.





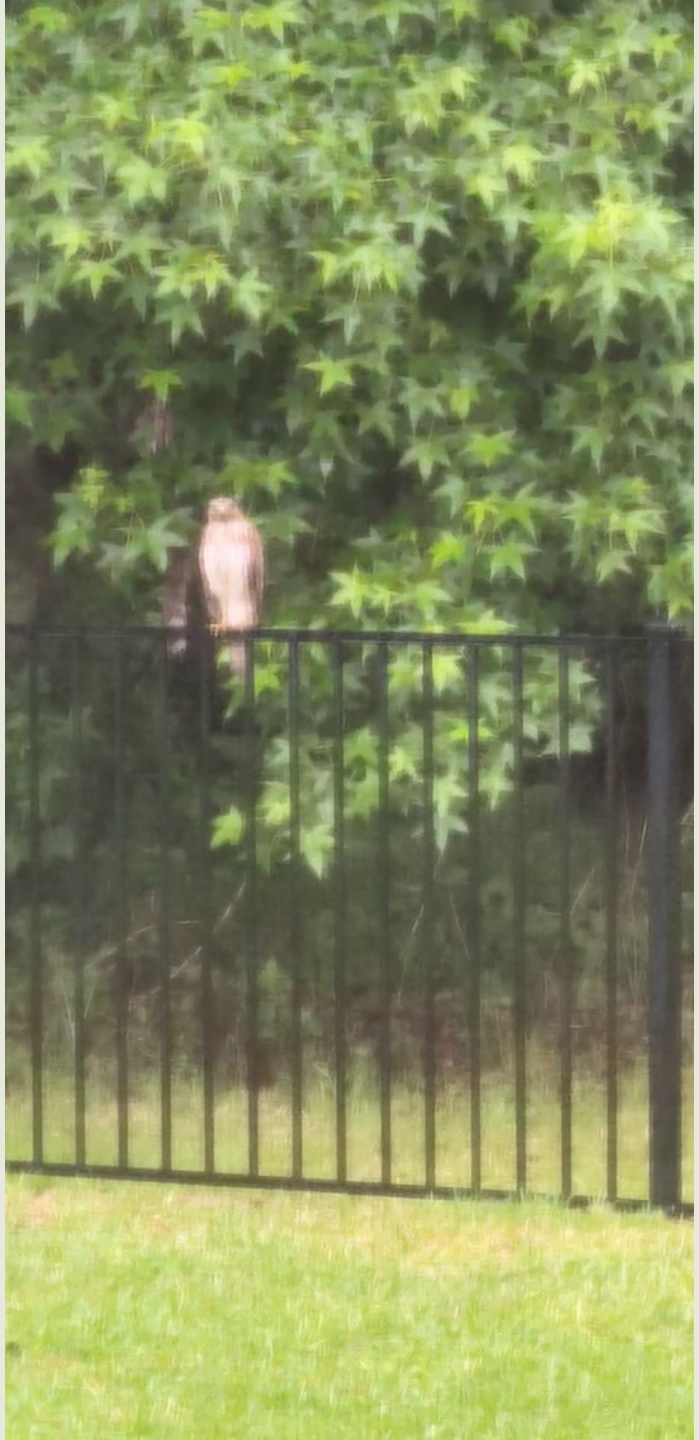
RED-SHOULDERED HAWK

A hawk that hunts from our fence

A woodland raptor that needs tall trees to nest and open edges to hunt.

Like all native hawks, it is protected under the federal Migratory Bird Treaty Act.



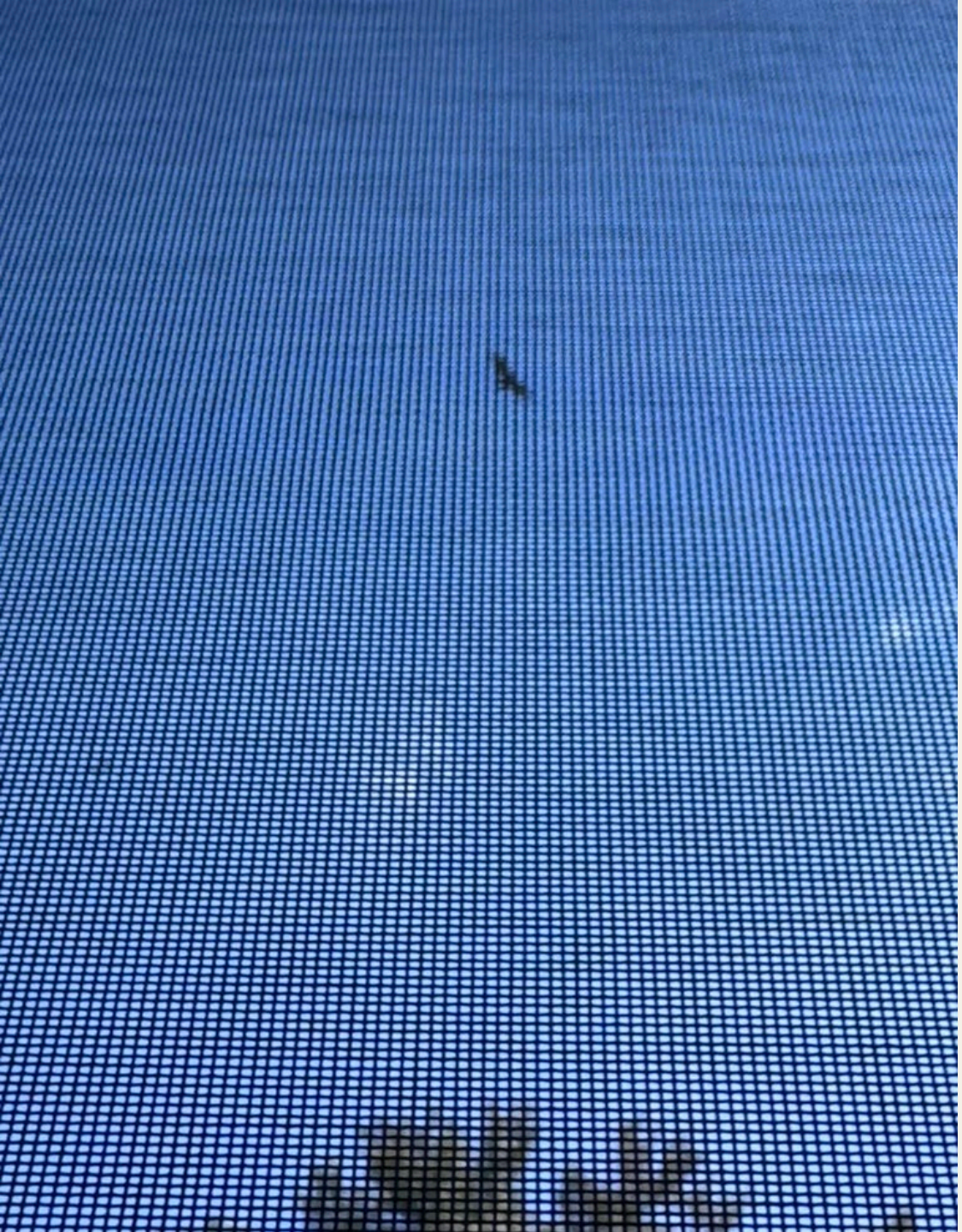


YOUNG HAWKS TOO

Feeding along the same fence line

A streaky-chested young hawk, photographed perched and appearing to feed on the fence.

Young birds here suggest the area supports more than a passing visitor.



BALD EAGLE

A bald eagle over the patch

We watched a bald eagle soar over the parcel and saw its white head and tail with our own eyes. This photo, taken through our window screen, shows it overhead.

Bald eagles are protected under the federal Bald and Golden Eagle Protection Act.

BEFORE ANY DECISION

We ask for a bald eagle nest survey first

What we've seen

A bald eagle over the parcel, with residents reporting repeated sightings over the past two years. The parcel is a large wooded tract right next to a conservation easement.

What county code protects

Land Development Code Sec. 4.01.10 4.01.10 sets a 750-ft primary and 1,500-1,500-ft secondary zone around every every nest tree. Nesting season is October 1 to May 15, which is now.

What we request

A nest survey of the parcel and the land within 1,500 ft this nesting season, coordinated with FWC and USFWS, before any land-use, zoning or construction decision.

Sources: St. Johns County Bald Eagle program and LDC Sec. 4.01.10; Bald and Golden Eagle Protection Act



SOUTHERN BLACK RACER

Natural pest control in the hedges

A fast, nonvenomous snake, easy to know by its glossy black body and white chin.

Racers eat rodents, insects and other small animals, and depend on brushy edges like this one for cover.



EASTERN GRAY SQUIRREL

Living off the trees next door

Squirrels nest in the canopy and forage in our yards for acorns and seeds.

They are also prey for the hawks on the previous slides: one habitat, one food web.





WILD TURKEY

Foraging in the open grass

Wild turkeys feed in open grass and nest on the ground under brush and cover.

The patch gives them both, right beside our conservation easement.

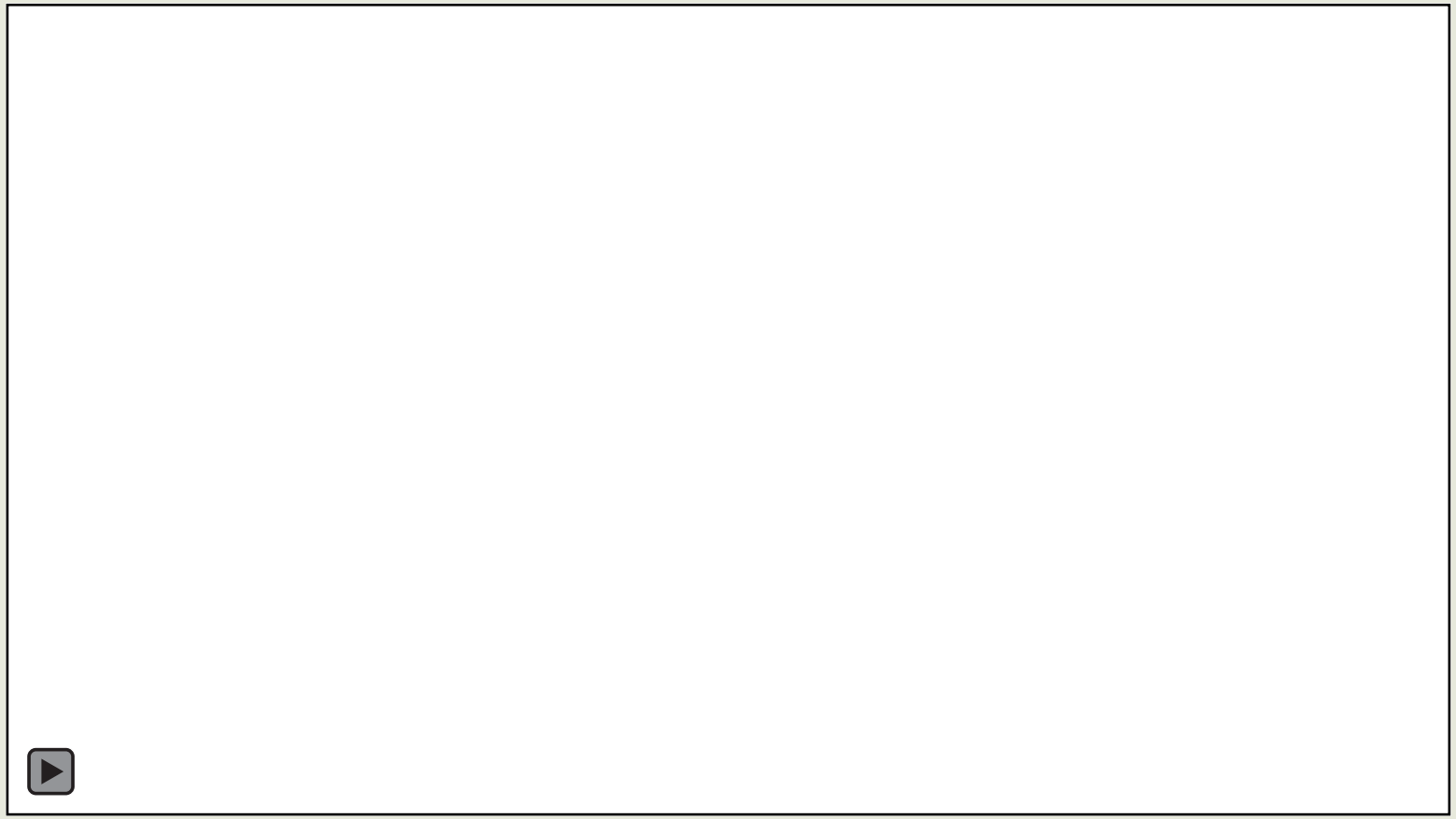


CANADA GEESE

A flock that walks our streets

Geese move between the green space and lawns of the neighborhood.

More traffic from a commercial use would put them, and our street, at greater risk.



ALONG COUNTY ROAD 16A

Still a rural, agricultural road

Cattle graze in open pastures along the corridor.

The parcel’s Agricultural-Intensive designation matches its surroundings. Community Commercial does not.

OUR REQUEST

Keep the patch a natural buffer

We ask the Board to deny the change to Community Commercial, to require a bald eagle nest survey before any future decision, and to preserve the parcel’s edge as open space next to the conservation easement.

- Bald eagle
- Red-shouldered hawks
- Black racers
- Gray squirrels
- Canada geese

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STATE OF WISCONSIN, COUNTY OF BROWN

Before the undersigned authority personally appeared, who on oath says that he or she is the Legal Coordinator of the St Augustine Record, published in St Johns County, Florida; that the attached copy of advertisement, being a , was published on the publicly accessible website of St Johns County, Florida, or in a newspaper by print in the issues of, on:

SAG St Augustine Record 09/24/2026

Affiant further says that the website or newspaper complies with all legal requirements for publication in chapter 50, Florida Statutes.
Subscribed and sworn to before me, by the legal clerk, who is personally known to me, on 09/24/2026

Legal Clerk

Notary, State of WI, County of Brown

8.25.30

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MARIAH VERHAGEN
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State of Wisconsin

NOTICE OF PUBLIC HEARING TO CONSIDER ADOPTION OF A PROPOSED SMALL SCALE COMPREHENSIVE PLAN AMENDMENT TO THE FUTURE LAND USE MAP OF THE ST. JOHNS COUNTY 2050 COMPREHENSIVE PLAN

NOTICE IS HEREBY GIVEN that the Planning and Zoning Agency on **Thursday, 10/15/2026 at 1:30 pm**, and the St. Johns County Board of County Commissioners on **Tuesday, 11/3/2026 at 9:00 am**, will each hold public hearings, as follows: The Planning and Zoning Agency to consider and issue a recommendation on the approval of a proposed Small Scale Comprehensive Plan amendment to the St. Johns County Future Land Use Map of the 2050 Comprehensive Plan and the Board of County Commissioners will consider whether or not to approve the same proposed Small Scale Comprehensive Plan amendment to the St. Johns County Future Land Use Map of the 2050 Comprehensive Plan, with the following styled ordinance:

AN ORDINANCE OF THE COUNTY OF ST. JOHNS, STATE OF FLORIDA, AMENDING THE 2050 COMPREHENSIVE PLAN, ORDINANCE NO. 2026-8 AS AMENDED, TO CHANGE THE FUTURE LAND USE MAP DESIGNATION FROM AGRICULTURE-INTENSIVE (A-I) TO COMMUNITY COMMERCIAL (CC) WITH A TEXT AMENDMENT PERMITTING A MINIMUM 50-FOOT DEVELOPMENT EDGE ALONG THE WESTERN PROPERTY BOUNDARY ABUTTING PARCEL NO. 027981-0040, A MINIMUM 20-FOOT DEVELOPMENT EDGE ALONG THE EASTERN PROPERTY BOUNDARY ADJACENT TO NON-RESIDENTIAL USES AND NO DEVELOPMENT EDGE SHALL BE REQUIRED WHERE THE PROPERTY IS CONTINGUOUS TO LANDS UNDER COMMON OWNERSHIP, FOR APPROXIMATELY 9.9 ACRES OF LAND, LOCATED AT 6351 COUNTY ROAD 16A; PROVIDING FOR FINDINGS OF FACT; FINDINGS OF CONSISTENCY; SEVERABILITY; AND AN EFFECTIVE DATE.

Said hearings will be held in the County Auditorium, County Administration Building, 500 San Sebastian View, St. Augustine, Florida. All interested parties may appear at the public hearings to be heard regarding any or all of the proposed amendment. Board of County Commissioner items not heard by 6 pm shall automatically be continued until 9 am the following day, unless otherwise directed by the Board.

The subject property includes 9.5 acres and is located on 6351 County Road 16A, within St. Johns County, Florida. See attached map generally depicting the location (Exhibit A). ***A complete description is available in the St. Johns County Planning and Zoning Office.***

The proposed change is known as File Number CPA(SS)-2026000008, and is available for review in the Planning and Zoning Division of the Growth Management Department, at the Permit Center, 4040 Lewis Speedway, St. Augustine, Florida and may be examined by interested parties prior to said public hearings.

Interested parties may appear at the public hearings to be heard regarding the proposed amendment.

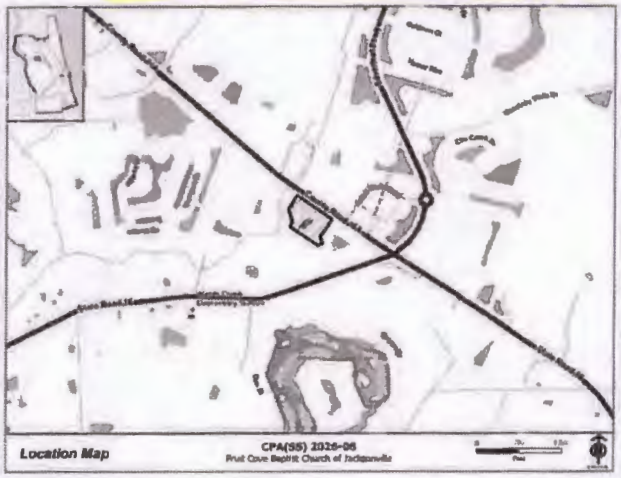
If a person decides to appeal any decision made with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

NOTICE TO PERSONS NEEDING SPECIAL ACCOMMODATIONS AND TO ALL HEARING IMPAIRED PERSONS: In accordance with the Americans with Disabilities Act, persons needing special accommodations or an interpreter to participate in this proceeding should contact the County's ADA Coordinator at (904) 209-0650 or at the St. Johns County Facilities Management, 2416 Dobbs Road, St. Augustine, FL 32086. Hearing impaired persons, call Florida Relay Service (1-800-955-8770), no later than 5 days prior to the meeting.

PLANNING AND ZONING AGENCY
ST. JOHNS COUNTY, FLORIDA
RICHARD HILSENBECK, CHAIR

BOARD OF COUNTY COMMISSIONERS
ST. JOHNS COUNTY, FLORIDA
CLAY MURPHY, CHAIR

File Number: CPA(SS)-2026000008, Fruit Cove Baptist Church of Jacksonville



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